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December 27, 1928

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Engineering News-Record

Devoted to Civil Engineering and Contracting

A Year's Experience Operating Holland Tunnel

By OLE SINGSTAD

Chief Engineer and Superintendent

An intimate and precise account of what has been learned in handling the continuous heavy traffic which has flowed through the tunnel since its opening on Nov. 12, 1927. The forecasts and assumptions of the designing engineers have been confirmed. The ventilation has proved highly successful. A large net income promises even more rapid amortization than was anticipated in the planning.

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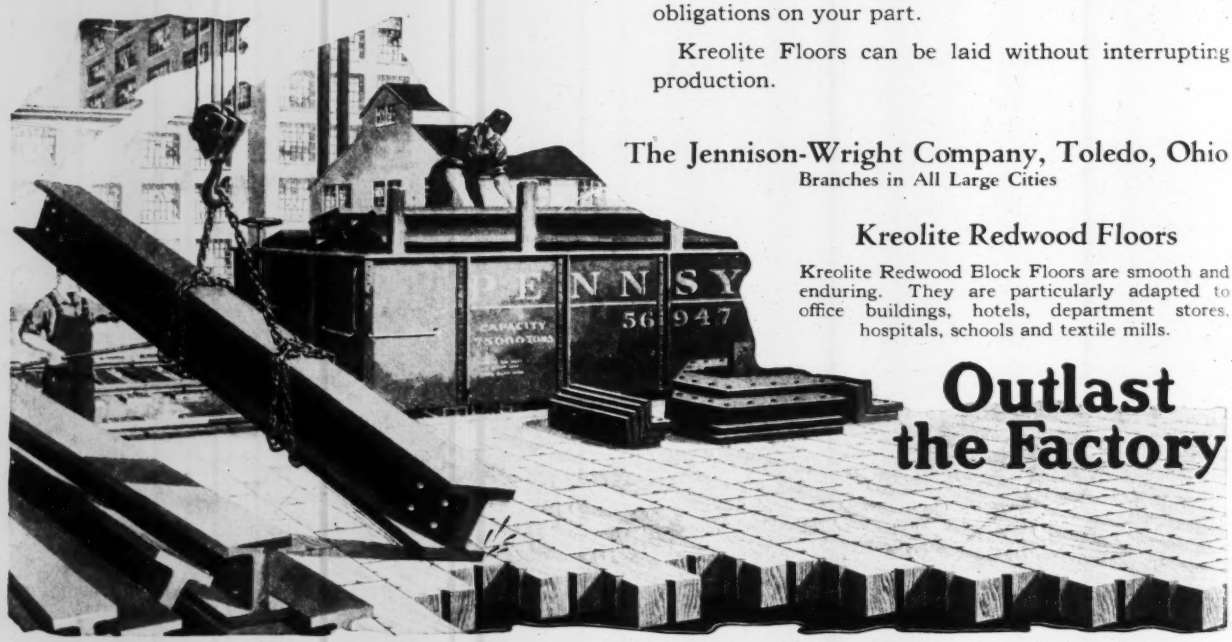

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Future Highways

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NEW YORK District Office, 285 Madison Avenue
WASHINGTON, National Press Building
CHICAGO, 7 South Dearborn Street
PHILADELPHIA, 1600 Arch Street
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SUBSCRIPTION PRICES: United States and its possessions, Canada, Mexico, and other countries taking domestic postage rates, $5 a year. All other foreign countries, $9 a year. Single copy, 25 cents. Published weekly. Entered as second class matter, April 11, 1917, at the Post Office, New York, N. Y., under the act of March 3, 1879. Printed in U. S. A.

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Member—Audit Bureau of Circulations.
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DEVOTED TO CIVIL ENGINEERING AND CONTRACTING

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Volume 101 NEW YORK, DECEMBER 27, 1928 Number 26

Warnings from Olean

PRECAUTIONARY measures in common use and readily employed at small cost would have materially lessened if not entirely prevented the recent water-borne epidemic of typhoid fever at Olean, N. Y. So simple and inexpensive a means as daily tests for residual chlorine in the emergency water supply not only would have shown that more chlorine was needed but would have indicated dangerous pollution as well. The sudden outburst of diarrhea in August would have warned competent health and water authorities of serious danger; and, even though themselves ignorant or laggard, had they reported the diarrhea to the state health authorities, as legally required, both a warning and an investigator from Albany would have been quickly forthcoming. The futility of requiring that all local health officers in New York must be doctors of medicine instead of requiring that they be competent health administrators is attested by the Olean epidemic. The outbreak again calls attention to the danger of carrying a water supply in a conduit laid on the bed of a polluted river. The present-day infrequency of water-borne typhoid epidemics should be all the stronger incentive to water and health authorities to spare no pains to detect and remove such dangers as in this instance caused some 230 cases and twenty deaths from typhoid—in a community of less than 25,000. The more infrequent water-borne typhoid becomes, the less excusable every occurrence of the kind.

Lost Time Again

LOST TIME continues to be a large item in the cost of roadbuilding. When, a few years ago, the Bureau of Public Roads in its time studies of concrete paving operations disclosed large time losses, the excuse was offered that practice was in a state of flux: the material was comparatively new, design and structure of pavement were continually changing and equipment and procedure were being altered every season. There was justice in these contentions, and there still is force in the argument that change is continuing. But they did not then, nor do they now, account for the delays and the waste time which continue to increase the expense of concrete roads. Further evidence that lost time is due to more fundamental causes than arise from standardizing a new type of construction appears in recent figures on time losses in asphalt road work. Whatever may be asserted of concrete, asphalt is in no possible sense a new paving material or process, and plant and working procedure have remained virtually constant for years. Yet asphalt road builders are apparently no more capable in keeping down time losses than concrete road builders have been. From the time loss figures mentioned it appears that lost time is chiefly chargeable to bad weather, to equipment breakdowns and to management; and that management delays predominate. In a continuous spell of rain, weather delays outnumber all delays, but with management delays a close second; in favorable weather, management delays surpass all others. The remedy is plain, as it is also in the study of concrete road construction. Road and street paving work needs primarily better construction practice. This is a far more important requirement than better materials.

A Disquieting Failure

FULL and final determination of the causes responsible for the collapse of the large and almost new bascule bridge over the Hackensack has not yet been reached, but on all accounts it is a most disquieting accident. The evidence strongly, if not convincingly, points to a structural failure. Yet steel bridge construction is one of the most thoroughly developed arts of modern engineering, one in which stress calculation and exact proportioning of material to service are carried much farther than in other branches of the structural art. Moreover, the test of practice places in our hands many checks on theory, and experience in maintaining steel bridges makes it possible to discover and correct defects revealed by the pounding of traffic. In view of these conditions, when a new bridge of modern design collapses without the slightest warning and in the absence of external attack, bridge engineering finds itself under indictment. The situation is of greater gravity because one part of the bridge on which primary suspicion rests is a guide frame which did not carry load stresses and yet was exposed to complex sets of deformation effects and other secondary actions. To clarify the relation of such elements to the strength of the bridge structure is of basic importance. Fortunately an able board of engineers has been named to investigate the accident. It is to be hoped that their study of the case will be thorough and searching in the extreme and go beyond the mere immediate factors of causation and responsibility. It is essential that bridge-building practice be fully cleared of the indictment and that it once more be placed beyond suspicion.

Air Field Surfaces

A REAL challenge is presented to the airport engineer by the growing number of transport planes of large size and weight that are being placed in operation. What kinds of field surface can he provide that will withstand the pounding of these immense ships? The huge tri-motored twenty-passenger Keystone monoplanes, said to be the largest commercial planes yet placed under construction, weigh in excess of 8 tons when fully loaded. Unfortunately the first of these to be completed was recently destroyed by fire, but three others now in various stages of manufacture promise soon to be in operation. An almost equal weight is attributed to the eighteen-passenger Boeing planes operating on the Pacific Coast. The all-metal Fords are in the 10,000-lb. class, while the new fourteen-passenger Fokkers and the Sikorsky-Curtiss

amphibians are only slightly less heavy. Add to these weights the impact forces of poor landings and the engineer is seen to have a serious problem of runway design to solve. On our highways we have been able to distribute heavy loads on numerous wheels, while in soft ground such heavy machines as tractors, power shovels and even motor trucks are able to resort to the low unit-pressure crawler. But so far the airplane's landing weight is concentrated on its two rubber-tired wheels, although the tail skids or in some cases rear wheels must carry as much as a third of the weight in the rare case of a perfect landing. Construction and economical maintenance of landing-field surfaces are among the important problems which the airport builder must solve. There is a serious lack of accurate information on possible load concentrations and effect of impact. But a close enough approximation of these factors can be made to serve as a basis for tests on various surfaces and sections of runways. It is not too soon to inaugurate constructive thinking and action on some of the fundamentals of airport designing.

Welding Inspection

THE question of what is a good weld and how it may be recognized arises in nearly every discussion of the possibilities of structural welding. The trouble is not with lack of an answer, but with the wide divergence of current opinions and belief. Unfortunately, none of these various opinions is based upon sufficient facts. It is in part true that, as some welding enthusiasts charge, the engineers who oppose structural welding on the ground that it cannot be properly inspected overlook the fact that inspection in no field is perfect—that mechanical or physical determinations are at best only fragmentary evidence. But at the same time welding engineers often forget that proof of satisfactory inspection methods lies wholly with them; at least, to date their activity in furthering methods of inspection have not been particularly evident. However, at a recent meeting of the American Welding Society, C. D. Jensen, of Lehigh University, described an interesting investigation of welding inspection, whose aims might well be emulated on a wide scale in the welding industry. Briefly, he attempted by actually examining a large series of welds to find a set of rules that would measurably cover the requirements of welding inspection. Poor welding as well as good welding was done, and all welds were inspected by a senior engineering student. Professor Jensen reported that this inspector-apprentice soon developed surprising accuracy in judging welds visually by such qualities as porosity, neatness, spatter, fusion, overlap, and size and depth. Still greater accuracy was found to result when the inspector could see the bead run, hear the arc and watch the ammeter and voltmeter. The main importance of these tests is that they demonstrated a commendable curiosity on the part of their promoters to learn how to inspect structural welding; the data on visual inspection may be considered virtually a byproduct. That sight and hearing, the two senses which have been relied upon for years in inspecting riveting, are able to perform so well in weld inspection is most interesting, and justifies the hope that visual inspection may prove as dependable as in the field of riveting. After all, it should not be impossible to find an inspection method for welds that will be as satisfactory as listening for the metallic ring of the test hammer on a loose rivet head. The great requirement is for more authoritative inspection tests.

The Future of Vehicular Tunnels

A LITTLE more than a year has elapsed since the Holland Tunnel under the Hudson River at New York was opened to vehicular traffic. At that time all the plans for ventilation, for traffic control and for the safety of the public while in the tunnel were essentially academic, being the outgrowth of theory, the result of months of study and research, but as yet untried. The tunnel was entirely novel; no precedent existed on which to base the design of the operating facilities. Today those theories have been put to a year's test. What was supposition then is fact now. Consequently a resurvey of what has been found from the results of this first year of operation is in order. It is given by the chief engineer of the tunnel in the following pages.

Ventilation, of course, was a most important operating problem to be dealt with on account of the insidious poisoning quality of the carbon monoxide gas given off by motor vehicles. Exhaustive tests showed that a concentration of 4 parts in 10,000 was the maximum which should be allowed, and other studies indicated that a system of transverse ventilation would give a more uniform distribution of fresh air in the tunnel than would a system of longitudinal ventilation such as used in railway tunnels and subsequently in the Liberty vehicular tunnel in Pittsburgh. The quantity of air required to obtain the desired dilution and the amount of power necessary to move it through the long ventilating duct presented an added unknown to be approached by further experimental work.

Other details which had to be worked out beforehand were a system of traffic control suitable for the narrow roadways, methods of collecting tolls that would not limit the capacity of the tunnel, and means of fighting fire in the tunnel.

Now, on the review of experience, it is shown that operating results confirm the plans and estimates with remarkable precision. This satisfying outcome is a clear indication of the accuracy of the work of the many engineers involved in the preliminary studies. On the opening day—the busiest day in the entire year's operation—with the normal arrangement of two of each set of three ventilating fans operating to full capacity, the maximum concentration of carbon monoxide gas was only 1.6 parts per 10,000. This was with a total hourly number of passenger vehicles less than 100 short of the estimated maximum hourly capacity of 2,540. With a mixed traffic of trucks and passenger cars these results and those of the present ordinary daily traffic indicate that the ventilating system has a large effective margin and will be adequate for a traffic made up entirely of loaded motor trucks.

The peak load of passenger traffic on the opening day fell a little short of the estimated maximum, but with the toll collecting and traffic control adjusted to smoother operation it is now possible to handle that maximum of traffic. The maximum mixed traffic figure has never been reached, but present indications are that this also is approximately correct. Few vehicles have found the grades too steep to operate at a reasonable speed, but it is evident that the present grades are close to the point where grades will become the limiting capacity factor for heavy trucks.

The plan of having traffic control centered in a central control office has proved itself highly desirable because by that system both tunnel plazas and every section of the tunnel can be kept advised of conditions quickly and traffic jams prevented.

The year's experience has shown that the fears which some few had entertained as to the possibility of panic from fire in the tunnel are unfounded. In the twelve months that have elapsed, 192 fires have occurred in the tunnel and none has resulted in anything approaching a condition of panic. The fire-fighting arrangements have proved to be adequate for all emergencies.

In any undertaking of this character the economic factor is of prime importance. Few engineers doubted that such a tunnel could be built. Whether it could be built and operated at a profit was not assured. The engineers of the Holland Tunnel concluded from their cost and traffic studies that they could. The financial return at the end of the first year shows that their deductions were correct despite the increased construction cost.

There is every indication that we are at the threshold of a period of intensive vehicular tunnel construction. The Oakland Estuary tunnel, modeled after the Holland Tunnel, has been in operation for a short time. Other subaqueous tunnels are under construction at Detroit and at Liverpool. Still others are projected. Whether or not they will be undertaken in the near future depends in a measure upon how successful the present tunnels are found to be. For that reason the results of the first year's operation of the Holland Tunnel are of world-wide interest. They presage a great impetus to the development of vehicular tunnels.

Prequalification Demands Definition

MUCH current discussion is concerned with the theme of prequalification of contractors. The practice is not new; the novelty is that it has recently been made association propaganda by contractors. Prequalification has been required for years by private owners, industrial corporations, public service companies and public-works bodies. The present interest in prequalifying contractors concerns the use of the method in public work by federal bureaus, states and municipalities. These contracting agencies are bound by law to place primary stress on contract price, for the lowest responsible bidder, by public law and ordinance, must receive the contract. There are obvious hazards in the requirement, especially as responsibility has too much been considered to mean only financial ability and backing. This is the situation that has led contractors' associations to push a movement to require prequalification. They have strong arguments in justification of their activity.

Meanwhile there is vagueness as to precisely what is meant by prequalification. In Wisconsin, where the practice has been very successful, contractors must go before a qualifying board of the highway department, where they are classified and accredited before they can submit bids. In other states it is required that all bidders for highway construction shall fill out a comprehensive questionnaire, upon the showing of which and from other knowledge the contracting official may disqualify a low bidder. Again, we have the recent ruling of U. S. Comptroller-General McCarl on federal public works, which virtually requires that to warrant a rejection of the low bid the call for bids must state "the requirements for a showing of the qualifications of the bidder." Virtually the qualifications for bidders are required to be specified.

There is an essential difference in these practices not only in method but probably in legality and certainly in justice. Comparisons need not be enlarged upon at this time. The important fact to be noted is that prequalification is not a definite term as it is being used. Logically it can mean only determination of the right of the contractor to offer to do construction in a specific instance. To allow the contractor to bid on the requirement that he fill out a questionnaire and then disqualify him on the showing of his answers is neither logic nor justice, unless the requirements for passing answers are distinctly stated in the call for bids. The demand and the need for some selective method in receiving public-works bids are too reasonable to be urged on indefinite terms.

With all that may be said in favor of prequalification, it has to be kept in mind that open competition and reward for making the lowest bid are sound public-works contracting policy. The burden of proof that a low bid is unwise and hazardous to the public welfare must therefore rest on the awarding official. He will be wise, then, to protect himself by definitely stating in his call for bids the conditions he will impose on bidders and the qualifications he will demand.

This is the only fair attitude toward the contractor and toward the work alike. Good engineering requires us to be definite in every detail of contract and specifications. We should be no less than definite in calling for proposals to undertake contracts.

A Momentous Decision

DURING the week Congress passed and the President promptly signed the bitterly contested measure for the control of the Colorado River. Events moved rapidly since the favorable action of the Senate on Dec. 14. Even before our last issue left the presses, the House of Representatives accepted the amended bill as just passed by the Senate, and a few days later the President approved it. So ends a long campaign for one of the greatest public-works projects of the day. The Boulder dam bill has become law.

The government's decision is momentous. Complete regulation of the flow of a great river—a primary need of the Colorado situation—is to be undertaken; for the first time the federal government takes upon itself such regulation. Its action in large part rested on the compelling reason that the delta region must be freed of the menace which now overhangs it; nevertheless a most important precedent has been set. To pay for this regulation, power-development profits are to be drawn upon, so far as they are realized.

Of even greater moment, perhaps, is the meaning of the decision on the power question, since the involvement of power and the allocation of the expected power profits formed one of the great fighting points of the project. Enactment of the law implies the view, on the part of the government, that power production, flow equalization and water conservation are logical parts of an inseparable whole in this instance, to be considered jointly both in the conception of the project and in the evaluation of its economic factors. The question here at issue is only in part of strictly engineering character, as we remarked on previous occasion; to an important degree it is a policy matter, a proper subject for legislative decision on broad grounds of national attitude. Congress has declared that, in such a case as this one, the power phase shall not be carved away from the other phases of the problem, and shall not be entitled to have its profit or loss accounting segregated. That this policy has been determined by the enactment is in some respects the most significant features of the new-made law.

A Year's Operating Experience With the Holland Vehicular Tunnel

Heavy Traffic Handled Without Difficulty—Ventilating System Found to Be Adequate—Little Movement of Tubes in River Silt—Substantial Net Return From First Year's Operation

By Ole Singstad

Chief Engineer and Superintendent, New York State Bridge and Tunnel Commission and New Jersey Interstate Bridge and Tunnel Commission

TRAFFIC IN FREEMAN SQUARE, NEW YORK, ENTERING THE HOLLAND TUNNEL
The toll-collecting booths are set in a semicircle around the entrance roadway in order to accommodate traffic approaching from the four corners of the square.

THE Holland Tunnel, connecting downtown Manhattan with Jersey City, forms the first link between the highway systems of New York and New Jersey across the Hudson River. It was opened to traffic on Nov. 12, 1927, and this article will review briefly the operating experience of the first year.

From time to time *Engineering News-Record* has contained articles describing the tunnel project and the construction progress in its various stages, consequently merely a brief description of its traffic facilities and ventilation system will be given here.

The tunnel consists of two tubes, each with a roadway 20 ft. wide between curbs, accommodating two lanes of vehicles in the same direction. The north tunnel is for westbound and the south tunnel for eastbound traffic. The entrance and exit on either side are separated by a distance of two city blocks to minimize traffic congestion, and entrance and exit plazas are provided as indicated on the plan shown herewith. Tolls are collected from the vehicles using the tunnel, and the entrance plazas are provided with facilities for the collection of tolls at those points.

Ventilation System—The ventilation system of the tunnel is novel. It was developed especially for the Holland Tunnel after extensive research work in connection with the design of the tunnel, and has never before been used for tunnel ventilation. For this reason it has attracted unusual attention, not only among engineers but on the part of the general public as well. The operation of this system under heavy traffic conditions was therefore looked upon by many as of the greatest importance in determining the future development of vehicular tunnels.

The tunnel is ventilated by a transverse method of ventilation, eliminating all longitudinal flow of air in the roadway except that set up by the moving traffic. Fresh air is supplied throughout the entire length of the tunnel from a main supply duct under the roadway, and the vitiated air is withdrawn through frequent openings in the ceiling into a similar exhaust duct above. Each tunnel is divided into seven sections for ventilation purposes, and a corresponding number of sets of blower and exhaust fans, located in four buildings, ventilate the tunnel in fourteen independent sections, making a total of 28 duct sections, each duct having three fans, two of which are designed to be operating at full speed to provide the necessary ventilation at capacity operation. The third fan on each duct section is kept in reserve as a spare. Under this plan it was estimated that a total of 3,760,000 cu.ft. of fresh air per minute could be sup-

plied to the tunnel. This was based on a concentration of carbon monoxide not exceeding 4 parts in 10,000 parts of air at capacity operation.

Operation—Prior to the opening of the tunnel, toll rates and traffic regulations were adopted, briefly summarized as follows:

Motorcycle	$0.25
Passenger automobile up to seven passengers	0.50
Bus	1.00
Truck up to 2 tons carrying capacity	0.50
Truck 2 to 5 tons carrying capacity	0.75
Truck 5 to 10 tons carrying capacity	1.00
Semi-trailers 5 to 10 tons	1.25
Semi-trailers 10 to 15 tons	1.50

These rates correspond to those charged by the ferries operating across the Hudson River in the vicinity of the tunnel. The fact that the tolls are in round numbers has facilitated toll collection and has been an aid in speeding up traffic.

Special permits are issued under certain conditions to vehicles exceeding 10 or 15 tons capacity or having a side overhang beyond the rim of the wheel in excess of 9 in. or wider than 8 ft., or more than 12 ft. in height and specified lengths for various types of vehicles. Axle loads are limited to 12 tons.

Horse-drawn vehicles and vehicles having metal tires are excluded from the tunnel. Commodities such as explosives, inflammable or corrosive liquids or poisonous gases or liquids are also excluded.

The following are the more important regulations affecting drivers:

Speed in the tunnel is not to exceed 30 m.p.h.

No vehicle shall cross the center line or leave its lane, except when so directed by a policeman.

Vehicles are to maintain a spacing of 75 ft.

No tire changes are permitted by drivers in the tunnel.

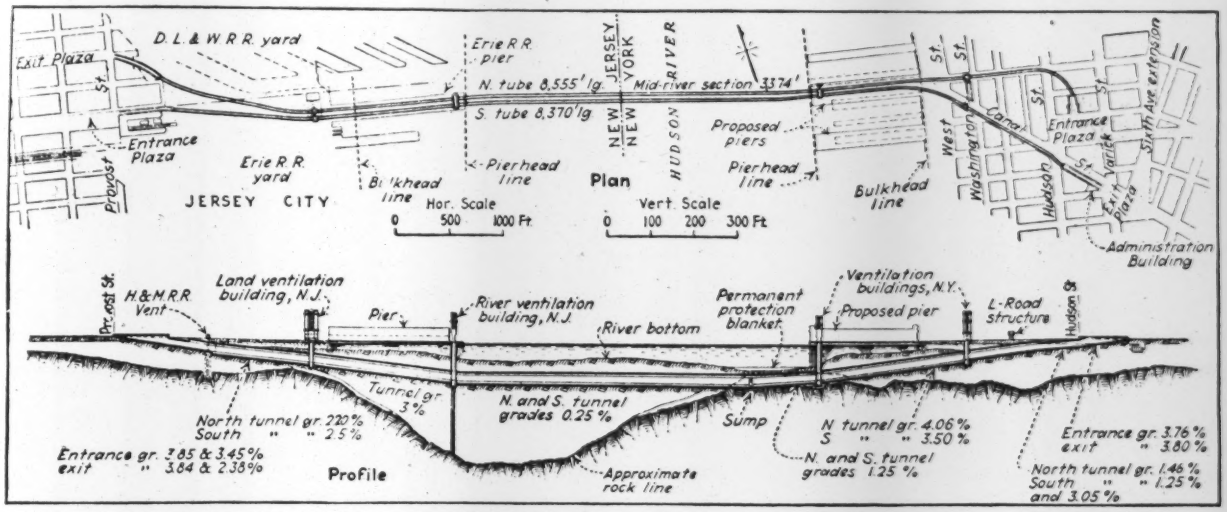
All headlights must be extinguished upon entering the tunnel.

Traffic—During the first twelve-month period of operations ended at midnight on Nov. 12, 1928, the total number of vehicles of all kinds using the tunnel in both directions was 8,517,689, of which 78.8 per cent were passenger cars, the average daily traffic being 23,372, the average Sunday and holiday traffic 36,391, and the average weekday traffic 20,545. Of the total number, 4,271,581 were eastbound and 4,246,108 westbound.

Except for a period of a few weeks immediately following the opening of the tunnel, when a large number used it for the novelty of the experience, and allowing for the usual seasonal variation in traffic, there has been a steady increase in the volume of traffic through the tunnel. The total revenue received from this traffic, together with income from duct rental and miscellaneous revenue, gave a total income of $4,700,201.

There has been a constant increase in the percentage of commercial vehicles, so that the average toll rate has increased from 52.73c. per vehicle during the period Nov. 13 to Dec. 31, 1927, to an average of 54.97c. for the month of October, 1928. This increase has been steady and is expected to continue.

Of the total traffic crossing the Hudson River between Manhattan and New Jersey, including the traffic using the tunnel and that using the fifteen ferries extending over a distance of about 12 miles of the river, the tunnel traffic constitutes about 43 per cent. It is estimated that approximately 45 per cent of the tunnel traffic during the year was new traffic which would not have crossed the river except for the improved traffic facilities provided by the tunnel, and that the remaining 55 per cent was diverted from the ferries.



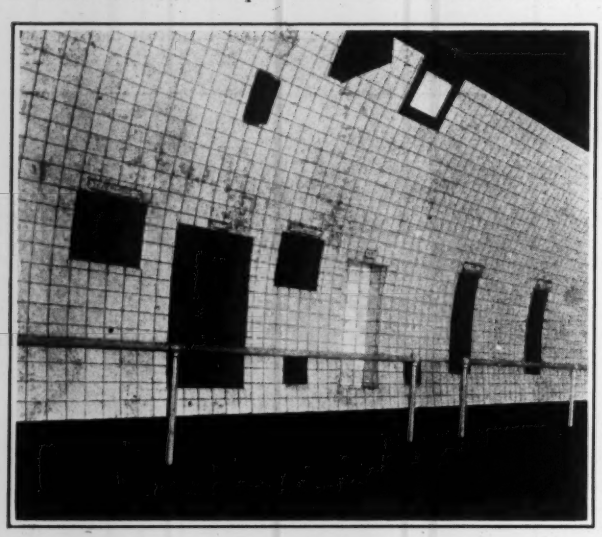
PLAN AND SECTIONAL ELEVATION SHOWING GRADES AND ALIGNMENT OF THE TWO TUBES COMPRISING THE HOLLAND TUNNEL

The total traffic is considerably in excess of that estimated at the time the tunnel was planned. In 1919 it was estimated that, during its first year of operation, the tunnel would carry 5,610,000 vehicles on the assumption that the tunnel would be opened in 1924 and with the impetus which the new traffic facility would give to the growth of vehicular traffic, it was then estimated that the annual tunnel traffic for 1928 would be 8,100,000.

Tunnel Roadway—The tunnel roadway, which is 20 ft. wide between curbs in the tube section and widened to 21 ft. on the approach sections, has proved adequate for the safe and expeditious operation of two lines of traffic in the same direction under all conditions. The two lanes are separated by a 6-in. wide white painted center line marker, dividing the roadway into two 10-ft. lanes. At the exits the tunnel roadway is widened to 30 ft., providing for three lanes of traffic from the portal to the point where the tunnel roadway reaches the street surface. These two stretches, each about 470 ft. in length, have the steepest adverse grades—namely, 3.82 per cent—and this widening of the roadway has proved advantageous, particularly at the New York exit, where there is some interference with the continuous movement

of traffic out of the tunnel due to the large number of pedestrians crossing at this point and due to the presence of a double-track street-car line crossing immediately in front of the tunnel exit.

There has been no shutdown of traffic in either tunnel except that the north tunnel was closed for a few hours on certain nights during which time accurate readings were taken on the distribution of the air in the various sections of the tunnel, when it was necessary to exclude all traffic due to the sensitivity of the instruments being used. During these periods all traffic was handled through the south tunnel, one lane being used for westbound traffic, and the other for eastbound traffic. It was found that with this operation the maximum speed of vehicles had to be reduced to insure safe driving, which is evidence that, for operation in both directions on the



TRAFFIC CONTROL POINTS WITHIN THE TUNNEL
Traffic control points are located at intervals throughout each tunnel. A recessed seat is provided for the traffic officers. Telephone, fire alarm and fire extinguishers are located in the tunnel wall close at hand, and one of the illuminated traffic signals is placed directly overhead.

same roadway, better results can be obtained with a roadway wider than 20 ft.

The granite block pavement of the tunnel shows no indication of wear, and the light asphalt coating which was squeegeed over the surface at the time the pavement was laid has not been worn off; on the contrary, it has increased due to a partial squeezing of the asphalt filler out of the joints during hot weather. This in some places, particularly on the open approaches and the upgrades, has occurred to an extent which has made it desirable to remove some of this asphalt, a condition which could probably have been prevented or minimized by the use of more sand in the filler.

In spite of the comparatively easy adverse grades, being generally not over 3½ per cent, a very small percentage of commercial vehicles has experienced difficulty in maintaining a minimum speed of 6 m.p.h. up these grades. A few vehicles have entered the tunnel that could not maintain a speed of even 3 miles an hour on these grades. As traffic increases it will become necessary to exclude some of the very slow-moving vehicles to accommodate the great bulk of the traffic which is capable of traveling at a higher speed.

In general, the tunnel grades and curvature have not interfered with the free and speedy movement of traffic. It is apparent, however, that if much steeper grades or sharper curves than the one near the New York entrance were used, it could be done only at the expense of roadway capacity, as the speed of the traffic would necessarily be reduced.

The only clearance in the tunnel on which a considerable number of vehicles presented for passage have encroached is the side overhang beyond the rim of the wheel, which is limited to 9 in., to prevent the body or load striking the tunnel walls before the wheel is stopped by the curb. Most of these are the lighter type of trucks with large bodies built for bulky commodities. This is a point to which truck owners and manufacurers may well pay some attention, as many more vehicular tunnels will undoubtedly be built and the expense of providing the necessary clearance for such exceptional vehicles is unwarranted.

Plazas — The maximum daily traffic, amounting to 51,694 vehicles, occurred on the first day of operation, with a maximum hourly traffic in the south tunnel on that day of 2,371 vehicles. The maximum hourly traffic through the north tunnel was 2,225 vehicles. The second highest day was Sunday, Sept. 9, 1928, when 48,004 vehicles passed through the tunnel.

The tolls are collected by men at toll booths on the entrance plazas, where the driver pays his fare, either by cash or prepurchased tickets, and receives a receipt coupon with the amount stamped thereon by the cash register machine in the toll booth. The driver gives up this receipt to collectors stationed at the immediate entrance to the tunnel. The ticket collectors are traffic officers who at the same time regulate traffic, designating vehicles to their proper lane according to speed. The installation for collection of tolls at the New Jersey entrance provides for the simultaneous movement of seven lanes of traffic past this point. It has never been necessary to use more than six of these lanes at a time. At the New York entrance plaza (Freeman Square), where the traffic enters intermittently at four corners, provision was made for a total of sixteen toll collection stations distributed in a semicircle around the entrance. On no occasion has it been necessary to use more than seven of these at a time, and it is not expected that, even at capacity operation, all will be needed. The tunnel has not yet been operated to capacity and the experience up to the present time does not warrant any change in the estimated roadway capacity—that is, 1,900 vehicles per hour through each tube for mixed traffic and 2,540 per hour when all passenger cars.

On the New Jersey side the plazas have proved to be ample to handle the traffic expeditiously and will no doubt be adequate for capacity operation of the tunnel. There has been some congestion on the approaching streets of Jersey City during heavy traffic, but this condition will be eliminated with the completion of the express highway leading to the tunnel plaza now under construction by the State Highway Department and the improvement of the surface condition of certain main streets in Jersey City leading to the tunnel plazas, which work is now being done by the city.

On the New York side the large volume of tunnel traffic has been handled without undue congestion of the city streets. On the entrance plaza there has been no congestion or delay in the handling of traffic, and the facilities are considered entirely adequate for capacity operation of the tunnel. As was expected, the conditions at the New York exit are less favorable than at the three other points due to the concentration of large volumes of other traffic, vehicular, pedestrian and street

car. It is expected that this condition will be improved when the Sixth Ave. extension is completed and the subway construction work now going on in this neighborhood has been finished.

Absence of Accidents—The total number of vehicles using the tunnel during the first year is more than 8,500,000 and, the length of the tunnel being nearly 2 miles, the traffic represents about 17,000,000 car-miles. This traffic has been handled without one serious accident, a record for safety which compares favorably with that of any other highway. It is believed that this is due to the rigid enforcement of the traffic regulations, the brilliant illumination of the tunnel and the provision made for the prompt handling of stoppages in the tunnel caused by fire, breakdowns, stalled vehicles and other minor accidents.

The illumination of the tunnel is greatly aided by the white glazed tile wall surfaces. The walls of the tunnel are washed once a week. For this purpose a specially built machine is used consisting of a tractor, on which is mounted an air compressor, and a trailer. In addition to this weekly cleaning of each wall, the lower part of the curved wall on the sidewalk side in the tube section, on which dust settles more readily, is given an additional weekly cleaning by hand. This has made it possible to maintain in the tunnel a clean and pleasing appearance which would be impossible with any other type of wall surfacing.

The experience gained in operation has confirmed the correctness of the decision to line the tunnel walls with a glazed tile. The tile work has shown no signs of deterioration or any tile loosening from the wall, and the decision to pay a slightly increased cost for an unusually high quality of tile work has been amply justified.

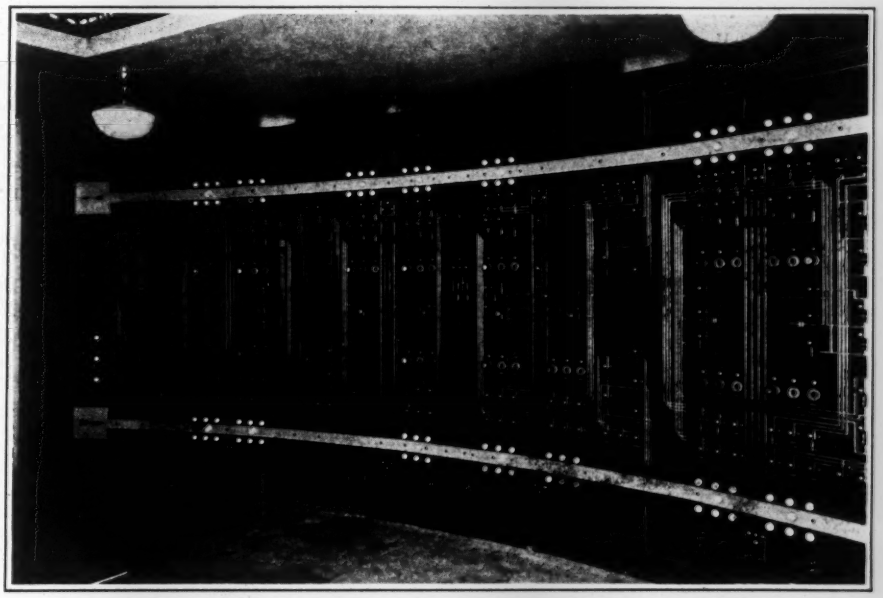
The illumination of the tunnel, consisting of lights recessed in the tunnel walls under the ceiling and spaced 20 ft. apart on both sides, has proved very effective in providing adequate illumination without the annoyance of glare. The lights originally installed were of 150-watt capacity, and while wiring was made for larger capacity lights, it has not been found necessary to increase the illumination, nor has it been deemed advisable to reduce it.

At the entrance portals for a short distance in the tunnel, the lights are spaced 10 ft. apart to provide a gradual transition from bright daylight to the standard tunnel lighting. At night alternate lights on these stretches are extinguished, as during this time there would otherwise be too sudden a change from the darker streets to the more brilliantly illuminated tunnel.

The only place where there has been any difficulty with the lighting is at the New Jersey entrance portal. Traffic approaching this portal is facing southeast, and on bright days, with the driver facing the sun, the visibility at the immediate approach to the portal is poor. This condition may be improved when the 6-ft. high parapet walls, forming part of the work of facing the open approach walls and portals with granite, are erected. This work is now in progress and if, after its completion, the condition should still exist, remedial measures can then be taken.

The tunnel and plaza roadways are cleaned every night with a mechanical pickup sweeper equipped in the front with a sprinkler to lay the dust. The sweeper travels at a speed of from 6 to 12 m.p.h. and makes two round trips through the tunnel. This method of cleaning has proved very satisfactory, and practically no cleaning of the tunnel roadway is done by flushing.

Traffic Stoppages—With the large volume of traffic handled, it was to be expected that there would be many stoppages in the tunnel for one reason or another. In anticipation of this, provision was made for the prompt reporting of such occurrences and the clearing of the roadway, restoring traffic conditions.



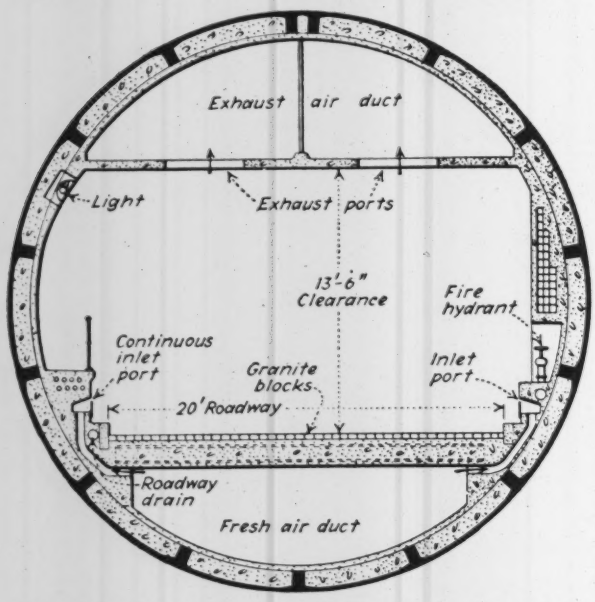
MAIN SUPERVISORY CONTROL BOARD IN CONTROL ROOM
All feeder switches and fan motors are remotely controlled from this board, which, in conjunction with the traffic control board, carbon monoxide recorders and telephone board, gives the operator complete control of tunnel operation.

During the year there have been 192 fires in vehicles while going through the tunnel. All of these fires were extinguished by the policemen in the tunnel without the aid of the fire-fighting apparatus mounted on the emergency truck. One fire was extinguished with water from the tunnel water main with the use of the fire hose, and all others with the 2½-gal. and 5-gal. foam extinguishers. The great majority of the fires have been caused by overheated brakes, and in most cases the fires have been put out and one of the traffic lanes reopened within five minutes of the stoppage caused by the fire. With one exception there has been no evidence of uneasiness on the part of the public or the employees during a fire. On this occasion the gasoline fuel tank located under the driver's seat of a truck caught fire and gave the driver such a shock that he abandoned his truck and ran back through the tunnel. The tunnel police had the fire extinguished and the truck moving out of the tunnel in tow of the emergency truck within six minutes of the starting of the fire.

There have been 2,190 disabled vehicles towed out of

the tunnel by the tunnel emergency equipment; 481 towing chains, distributed throughout the tunnel, have been loaned to drivers of other vehicles to take the disabled vehicle in tow; 678 1-gal. cans of gasoline have been supplied to vehicles stalled in the tunnel for lack of gasoline; there have been 174 arrests, 1,370 summonses issued and 4,100 warnings for violations of the traffic regulations. Crossing of the center line from one traffic lane to the other has been the chief violation of traffic rules, and most of the summonses and warnings have been issued for this offense. The number of traffic violations of all kinds is, however, diminishing.

In all cases of fire, the combination fire and wrecking truck, which also carries first-aid equipment, responds, and while it has not yet been necessary to use the fire-



CROSS-SECTION OF ONE TUBE OF THE HOLLAND TUNNEL

fighting equipment on this truck, the truck, which is provided with double-end drive, is used for towing out the burned vehicle in cases where towing is necessary. For towing most of the disabled vehicles, a small tractor is used which is capable of traveling at high speed and which can easily be turned around on the tunnel roadway. This tractor is suitable only for handling vehicles that can travel on their own wheels. In cases of broken wheels or broken axles, the large emergency truck is used. There is now being developed an intermediate-sized tractor capable of lifting medium-weight vehicles and towing them out. It is expected that this device, which can travel faster than the heavy emergency truck, will still further expedite the clearing up of accidents where broken wheels or broken axles are involved. An emergency equipment station is located at each tunnel exit.

Supervisory Control System—The handling of this considerable number of traffic stoppages of various kinds without undue delay or inconvenience to the traveling public has been due in a large measure to the supervisory control system used in the operation of the tunnel. This system centers in the supervisory control room on the top floor of the administration building at the New York exit. In this room are stationed the supervisory operator and one assistant, and the telephone switchboard operator. The room contains a board on which are mounted the carbon monoxide recorders, one instrument for each of the fourteen sections into which the tunnel is divided for ventilation purposes, giving a continuous and permanent record of the carbon monoxide content of the atmosphere in each section. This recording is accomplished by drawing off continuous air samples in the ventilation buildings from the exhaust ducts. The samples are analyzed by automatic analyzers and the results electrically transmitted and recorded on the charts of instruments in the supervisory control room. These charts show the number of parts of carbon monoxide present in 10,000 parts of air. The instruments are provided with gongs which ring when the CO content reaches the prescribed limit, attracting the attention of the operator. The recording is almost instantaneous, the lag amounting to less than two minutes.

On a second board, which shows diagrammatically the power and equipment layout of the tunnel, a system of lights indicates at a glance the operating condition of the entire system. On this board are also mounted lights connected to the carbon monoxide recorders, so that when the gong rings on one of the recorders the corresponding light on the large board becomes bright, telling the operator without leaving his place the section of the tunnel in which the carbon monoxide has reached the prescribed limit. This board is equipped with keys whereby the operator starts and stops or controls the speed of any piece of equipment and closes or breaks the electric circuits. Additional air, if needed in any section of the tunnel, can thus be provided by the operator stepping from his seat to the control board and turning a key. The light indication on the board will show that the proper fan has been speeded up in response to the automatic call for more air, and the bright light indicating high CO will soon become dim again.

On a third board in the same room are installed reproductions of the traffic signals in the tunnels, each traffic light being represented by a miniature light on the board. Green lights show throughout the tunnel and on the board when everything is clear. If a block occurs at any point in the tunnel roadway, the nearest traffic officer will push a button setting the red signals against traffic from the block back to the toll booths at the entrance. This change of signals immediately shows on the traffic board in the supervisory room. The supervisory operator from the board in the control room displays stop engine signals in the part of the tunnel where the red traffic light appears.

In the supervisory control room are also located two telephone switchboards, one for the regular telephone service and one for the tunnel telephone system. If the stoppage in the tunnel roadway is such as to require towing by the emergency equipment, the traffic officer telephones to the supervisory operator, stating what equipment is needed and at what station. The supervisory operator transmits this message by Telautograph to the emergency stations and to the police desks at both exits. The supervisory operator next turns a key on the traffic board displaying a set of yellow lights throughout the entire length of the tunnel affected. When these lights appear, the traffic officers step from the sidewalk to the tunnel roadway and divert all traffic into the right-hand lane, leaving the left-hand lane clear for the emergency equipment to enter from the exit end of the tunnel against traffic. When the disabled vehicle is passing a designated station on its way out, the traffic officer at that station telephones the supervisory operator, who removes the yellow lights, restoring normal traffic conditions.

Ventilation—Prior to the opening of the tunnel, air-

measurement tests were made on seven of the blower ducts to determine the actual quantities of air supplied to the tunnel and the distribution of the air throughout the length of each duct. Time did not permit the completion of these tests on the remaining ducts. From the tests made, it was determined that the quantities of air supplied agreed very closely with the theoretical quantities. In general, the actual quantities were slightly above the theoretical quantities. No adjustment of ports was required, the original settings based on calculations and tests on models giving the uniform distribution desired.

Provision was also made for checking in the tunnel the experimental data obtained from tests on models forming the basis for the formulas used in calculating the ventilation system. This work is now being carried on under traffic conditions which necessarily interfere with the progress of the work. No definite conclusions can yet be drawn, as the work has not been completely analyzed. There are indications, however, that the formulas may have to be slightly modified to agree exactly with actual conditions in the tunnel.

Tests have also been made on the power required to operate the fans at full capacity as compared with that calculated in advance. On the blower fans the horsepower agreed closely with the calculated values. On the exhaust fans the actual figures were slightly higher than those calculated, due to greater losses, caused by turbulence, in the fan rooms, than had been anticipated.

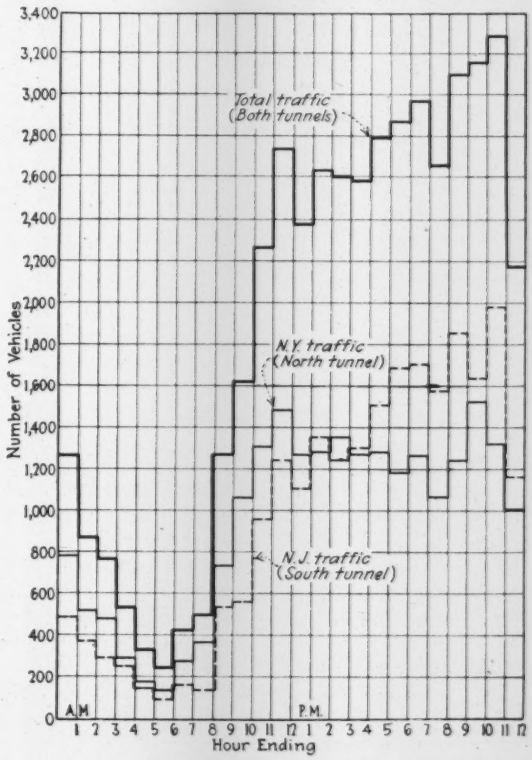
The real test of the ventilation system came on the opening day. There was no way in which the traffic could be forecast. The fact that it was a Sunday added to this uncertainty. Orders were given to operate the ventilation equipment at its normal maximum capacity, supplying about 3,760,000 cu.ft. of fresh air per minute. On that day nearly 52,000 vehicles passed through the tunnel, 98 per cent being passenger cars. During the first 24-hour period with this large volume of traffic, the average carbon monoxide content in both the south and north tunnel was 0.69 part per 10,000 parts of air. During the maximum hourly period in the south tunnel between 4 and 5 p.m., with a traffic of 2,371 vehicles, the average CO content was 1.60 parts per 10,000, and during the peak hour in the north tunnel between 5 and 6 p.m. it was 1.58 in 10,000 parts of air. The permissible standard as determined by the investigations was 4 parts CO in 10,000 parts of air. The ventilation system had thus been subjected to a sudden and rather severe test and met this test satisfactorily. With the opening day rush over and traffic settling down to more normal conditions, and in view of the extremely good air conditions in the tunnel on the first day, it was apparent that the ventilation could be reduced. This was gradually done by slowing down the fans and by shutting down some of them.

During the last six-month period of the first year of operation, with a total of 4,866,781 vehicles using the tunnel, the ventilation has been provided on the basis of the carbon monoxide not exceeding 2½ parts per 10,000 for a period of five minutes in any of the fourteen sections of the tunnel. The average carbon monoxide content during that period has been much below this figure. This has required the operation of one fan at half speed on each duct except during certain periods of the day where increased ventilation has been provided on certain sections either by running one fan at higher speed or two fans.

During this six-month period the electric power bill for all purposes, including ventilation, pumping, lighting of the tunnel, the plazas, the ventilation and administration buildings and for all miscellaneous purposes, has averaged $17,005.33 per month, or at the rate of $0.0211 per vehicle using the tunnel.

With one fan at half speed on each duct, the total quantity of air supplied is approximately 1,220,000 cu.ft. of fresh air per minute. On a typical busy Sunday afternoon during the summer and early fall, with the hourly traffic through the south tunnel averaging about 1,950 vehicles and through the north tunnel 1,550 vehicles, the air supply to both tunnels has been about 2,650,000 cu.ft. of fresh air per minute. It has been demonstrated that the maximum ventilation requirements have occurred at times when for some reason traffic is moving very slowly and the cars are tending to crowd close together. Under such conditions more air is required than when both lanes are operated close to capacity at the maximum allowable speed.

With this system of ventilation there is no longitudinal draft through the tunnel when there is no traffic in the tunnel, but with moving traffic there is a noticeable longitudinal draft in the direction of the traffic, the velocity of the air depending on the number of vehicles in the tunnel and the speed at which they are traveling. This longitudinal movement has reached a velocity of 10 m.p.h. when there is a mixed traffic of about 1,000 vehicles in one tunnel per hour. The result of this longitudinal movement with fresh air carried into the tunnel at the entrance portal is materially to reduce the carbon monoxide content in the half of the tunnel nearest the entrance, but it has little effect on the carbon monoxide in the other half of the tunnel. For this reason, as well as on account of the adverse grades, more fresh air is



TYPICAL SUNDAY TRAFFIC

N. Y. traffic (north tunnel), 22,706; N. J. traffic (south tunnel), 23,341; total, 46,047. The drop in traffic between 11 p.m. and midnight is not so great as indicated, because the count is taken before midnight due to changing shifts in the tunnel.

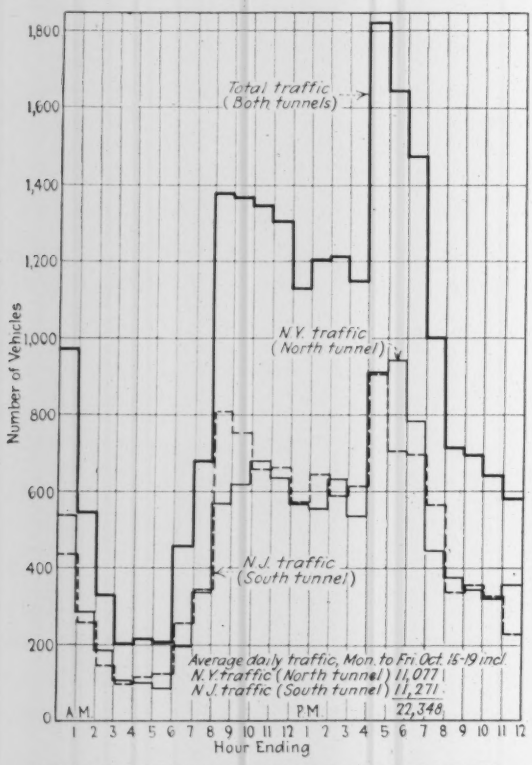
required to be supplied by the fans near the exit of the tunnel than near the entrance.

The draft is sufficient to be annoying to the policemen stationed in the tunnel in cold weather, and windshields are now being installed at the fixed posts to serve as a protection.

With ample facilities for providing a liberal degree of ventilation, the tunnel has not yet been operated on the basis of the standard which was originally adopted as allowable—namely, 4 parts of CO in 10,000 parts of air. It appears probable that the smoke from poorly conditioned automobile engines may become a limiting factor for comfort as soon as or sooner than the carbon monoxide.

On foggy days when the fog is so dense on the river that it seriously interferes with ferry traffic, the fog is also noticeable in the tunnel, but is not nearly so dense as on the outside, and at no time has there been sufficient fog or smoke in the tunnel to interfere with safe driving conditions.

Many persons who are occasional or regular users of the tunnel have stated that they find the air conditions in the tunnel better than on the city streets. This can be readily understood when it is borne in mind that investigators of carbon monoxide conditions on city streets have found the carbon monoxide present on



TYPICAL WEEK-DAY (MONDAY TO FRIDAY) TRAFFIC

The count between 11 p.m. and 1 a.m. in this chart is modified by the change of shifts before midnight.

open streets in amounts up to 1.7 parts in 10,000, and this gas and smoke is often present locally in objectionable concentrations on still days. In the tunnel, on the other hand, where the air is constantly in motion, the fresh air stream dilutes the exhaust gases immediately upon their being expelled from the engine, preventing any local concentrations.

Another factor which makes for the purity of the tunnel atmosphere is the fact that, for about half the length of the tunnel, the air is supplied through ventilation buildings located 1,000 ft. out in the river, with the air intakes at least 50 ft. above the water level, where the air is comparatively free from dust and other impurities usually present on city streets.

From a superficial examination of the operating experience, so far as the ventilation is concerned, the impression may be gained that, with the large reserve capacity of equipment, the tunnel is overequipped. This, however, is not the case, as it should be borne in mind that the tunnel is now operated to about half its capacity except on certain Sundays and holidays, and also that the percentage of passenger cars has been very large, the average being about 78 per cent. The ventilation system was designed on the basis of about 20 per cent passenger cars and about 80 per cent commercial vehicles. There has been a small but steady increase in the percentage of commercial vehicles with a corresponding decrease in the percentage of passenger cars, and it is expected that this change will continue and may some day approach or reach the ratios originally assumed. Commercial vehicles, especially the larger trucks, require a much larger volume of fresh air per minute per vehicle than do passenger cars, and when the tunnel is operated to its capacity, with a large percentage of the traffic commercial, the ventilation system will be put to its greatest test. It is expected that at such time the reserve capacity of the equipment will not be excessive but will provide only the comfortable margin which was had in mind in planning the ventilation system.

The tunnel police regulate the traffic in the tunnel, on the New York entrance plaza and on the plazas in Jersey City. The New York exit plaza is policed by New York City due to the impracticability of segregating the tunnel traffic from the heavy street traffic at this point. The tunnel roadways are policed generally by eight men on fixed posts in each tunnel. In addition there are two motorcycle policemen patrolling the tunnel and plazas. There are about as many policemen on duty on the plazas as in the tunnel, which makes it possible to rotate the men so that they do alternately two hours duty in the tunnel and two hours on the plazas. This arrangement has worked satisfactorily, and there has been no case of discomfort on the part of the police due to atmospheric conditions in the tunnel.

The fresh air supply ducts in the tunnel are cleaned every few months to prevent the fine dust carried in with the air and deposited in the ducts when the fans are operated at low speed from being carried into the tunnel roadway when the fans are speeded up. The best method of cleaning these ducts is by flushing with water.

The exhaust ducts have been cleaned at more frequent intervals, as some of the soot and dust from the roadway accumulates in them. The cleaning of these ducts is done by sweeping. The dust has been analyzed with a view to determining whether it could form explosive mixtures with air, and all samples analyzed have shown a safe margin in this respect.

The electric power for the operation of the tunnel is purchased from commercial companies on both sides of the river, about one-half being taken from each company. The current is supplied over three independent feeders from each company, each of the six cables having a capacity to carry the entire tunnel load.

During the twelve-month period there have been a total of 53 outings of feeders from one company, with a total elapsed time of 467 hours and 24 minutes. At no time

were more than one of the three feeders out at a time. Of these interruptions all but two were by request for maintenance and inspection purposes and were made at a time convenient to both parties. In the two other cases, one feeder was accidentally out for ten minutes and in the other case for a few seconds only.

In the case of the other company there have been a total of 32 outings, with a total elapsed time of 226 hours and 3 minutes. Of these interruptions all were prearranged except four. In one case one feeder was accidentally out for 44 minutes and on another occasion two feeders went out simultaneously. One of these feeders was out for four minutes, was restored and was lost again after five minutes, and was out the second time for ten minutes; the other feeder was out for twenty minutes.

In addition to these interruptions which originated with the power companies, one interruption of 2 hours and 23 minutes was caused on one feeder by a defect originating in the tunnel system.

The temperature in the tunnel has been more uniform than that outside. During the winter it was considerably higher than the temperature on the streets, and marked changes in the outside temperature were less noticeable in the tunnel. If a sudden change of 10 to 15 deg. F. occurred on the streets, a change of not more than 3 or 4 deg. occurred in the tunnel, and this lagged from two to four hours behind the outside change. The tunnel temperature during the summer averaged about the same as that outside, but, as in the winter, sudden changes were far less marked. During the winter months the tunnel temperature hardly reached the freezing point except near the portals, and during the summer did not exceed 83 deg. F. with a maximum outside temperature of 89 deg. on the same day.

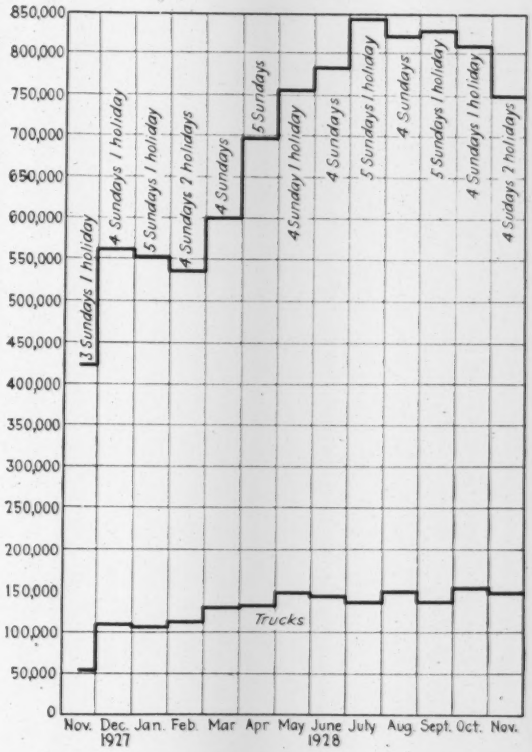
The tunnel has proved to be watertight, so much so that during the summer season there is hardly a trace of moisture coming through the tunnel structure. During cold weather, due to contraction, there are minor seepages at a few points. The only considerable leak which has developed is on the open approach outside the portal at the New Jersey entrance, where the movement in a contraction joint in the steel and concrete structure has been excessive, causing damage to the waterproofing.

Precise surveying has been carried on to determine the movement of the tunnel structure in the silt. At the time of opening the tunnel practically all movement due to disturbance of the silt during the period of construction had ceased. Very little vertical movement has been observed subsequent to the opening of the tunnel. The maximum settlement, 1 in., occurred between the New Jersey bulkhead and the river shaft at a time when dredging operations were carried on in the adjoining slips. The maximum settlement between the river shafts occurred at a point 600 ft. east of the New Jersey river shaft and amounted to ½ in. During the last six-month period no settlement has been detected.

The lateral movement has been greater, amounting to as much as 4 in. in a northerly direction of the south tube and 2½ in. in a southerly direction of the north tube. After having reached these figures the tubes have again come back to their original positions and have even slightly passed them. The maximum lateral movement has occurred at a point about 400 ft. east of the New Jersey river shaft, which is a fixed point, the shaft being supported on piles extending to rock. Vertical movements with the tide have been reported to have taken place in other Hudson River tunnels. No such movement has been detected with the use of precise surveying instruments on the Holland Tunnel.

The tunnel was built and is operated by the New York State Bridge and Tunnel Commission and the New Jersey Interstate Bridge and Tunnel Commission, and is owned jointly by the State of New York and the State of New Jersey.

Much popular interest has been shown in the experience of the commissions with respect to the financial return



TOTAL MONTHLY TRAFFIC 1927-1928

on the investment which the states made in this first vehicular tunnel. The total cost was approximately $48,400,000, not including interest during construction, each state paying one-half. The legislation in New York authorizing construction directed the commissions to fix a schedule of tolls that, in addition to paying the operating charges, would return the cost of the investment to the public treasury within twenty years. New Jersey's share of the cost was financed by a bond issue to be amortized from tolls. The profit from the operation of the tunnel over actual operating costs in the first year of operation was more than 3¼ million dollars, one-half of which was payable to each state. During the first year the tunnel has been operated to about one-half its estimated capacity. It is expected that there will be a steady increase in traffic through the tunnel until the capacity is reached about the year 1934. There will also be a gradual increase in the average toll per vehicle, due to the increase in the percentage of commercial vehicles, so that after 1934 the net income, after paying operating charges, will be more than $7,000,000 per year. It is thus apparent that financially there will be accomplished in a much shorter time what the legislatures, when the building of the tunnel was authorized, hoped and expected it would be able to accomplish within a twenty-year period.

Fig. 1—On the Road-to-the-Sea; El. 8,500 ft.

Building the "Road-to-the-Sea" in Colombia

Highway Crossing the Andes Being Built by American Contractors—Pack-Mule Transport and Hand Labor Make Subgrade for Hauling in Modern Roadmaking Machinery

By John H. Caton
Chief Engineer, R. W. Hebard Company, Inc., New York

THE construction of a trunk highway in the Republic of Colombia, South America, from Medellin, situated on a high interior plateau, across a wild mountain region to a port on the Caribbean Sea is an important project undertaken by the government of the Department of Antioquia for the primary purpose of eliminating the long delays and high costs involved in present methods of transportation. The progressive city of Medellin, capital of Antioquia, has a population of 100,000 and is the center of a commercial territory having more than 2,000,000 inhabitants and the principal product of which is coffee. At present all freight has to reach it over a long, difficult and uncertain route.

Cargoes are landed at Puerto Colombia, on the Caribbean Sea, and freight is carried 17 miles by rail to Barranquilla, on the Magdalena River, where it is passed through the customs and transferred to river steamers. Here troubles begin, for even if the transfer is made promptly, there is the likelihood of loss and damage due to lightly built shallow-draft vessels and a dangerous river which is swift and shallow, has a shifting channel and is full of sandbars and snags. Its vagaries are unknown even to the experienced pilots. In the dry seasons, usually two periods of about three months in each year, the river becomes more or less unnavigable for cargo steamers. In the periodical dry years, said to be each six years, the river is almost completely out of service for as much as nine months at a stretch. In consequence this is a period of virtual paralyzation of transport and commerce throughout the greater part of the country.

The river trip is 503 miles to Puerto Berrio, where freight is transferred to the Antioquia Railway for the 122-mile trip to Medellin. This railway is not continuous, in that freight has to be transfered to trucks for a road across the summit and then again transferred to the railroad. A tunnel 3.5 km. (2.17 miles) long is now being driven for a line to connect the two sections of the railroad (see *Engineering News-Record*, Oct. 15, 1925, p. 620).

Experience with this 642-mile route from the coast by the contractor for the new highway indicates that it takes usually from five to six months for freight to travel from New York to Medellin, three-fourths of which time is accounted for after delivery at Puerto Colombia. The freight cost is always high and runs to fantastic figures when the river is low.

To overcome the great economic loss due to high cost and the slow and interrupted freight movements, Antioquia has faced the problem of creating a better and dependable route to the coast and is building what is called the "Carretera al Mar" or Road-to-the-Sea. It is a highway instead of a railroad for numerous reasons, but principally on account of the extremely difficult mountainous country encountered. The distance will be approximately 255 miles, and the trip is estimated at twelve hours for passenger cars and 25 hours for freight trucks. The through freight to be handled when the river is low

is approximately 700 tons daily, about equally divided in each direction. The character of the country is indicated by the views, Figs. 1 and 2; a plan and profile are given in Figs. 3 and 4.

From the profile it will be seen that the route crosses two towering ranges of the Andes, the Cordillera Central and the Cordillera Occidental. Starting from Medellin at El. 4,916 ft. above sea level, the first summit is crossed at El. 8,361 and the second at El. 7,065, after having dropped to El. 1,689 in the intervening valley of the Cauca River. From the second summit the profile falls rapidly into the Atrato River valley and thence eases down to the sea. The country traversed represents all climates. From cool temperatures down to 46 deg. F., where white clover, buttercups and blackberries grow much the same as in New England, it ranges to the hot tropical jungle of the south Carribbean coast, where wild animals abound in an almost uninhabited virgin forest country. The forest is a typical tropical mixed stand, containing some cedar and construction timbers.

For the first 60 miles from Medellin the country, despite its extraordinary slopes, is well populated and cultivated. The higher, rougher country is largely pasture. From this it ranges down through a coffee-raising belt to the tropical fruit and grazing country of the Cauca River valley. In the high country, the stone walls on boundary lines again remind one of New England; except that here the slopes are so steep that the walls seem to be for the purpose of keeping the grazing animals from falling out of the lot.

For the next 24 miles the road works up a deep, narrow gorge in badly broken country to the second summit. The upper slopes above this gorge are well populated and cultivated. At the second summit the line breaks into a narrow and wonderfully rich valley which has been well developed within recent years and which has the progressive towns of Canasgordas and Frontino. As the elevation decreases, the road again passes through a coffee-raising belt into sugar and cotton lands. The price of cotton in the United States affects the price paid here.

At Dabeiba all intensive development ends and the location is in rough canyon country—wild, forested and having an excessive rainfall. This extends for some 33 miles, when the valley floor is reached and the canyons disappear. At the beginning of this stretch the white settlers cease and the country thence to the sea is principally inhabited by a half-wild tribe of Indians, with negroes at little towns at the head of navigation for canoes on the branch rivers, where ivory nuts are found and exported.

FIG. 2—ROAD GRADING IN THE ANDES

The proposed seaport is at Necocli, on the Gulf of Uraba (or Darien), where ample depth of water is available close to shore. Geologically the line in mountainous country is through disintegrated igneous rocks in which there are numerous showings of blue granite minus the mica content. The rock is badly shattered by earth movements. The soils are red, blue and gray clays covered with a thin vegetable cap. North of the second summit are disintegrated shales which are marvelous for their angle of slope, often up to 60 deg. Limestones, carboniferous and conglomerate rock appear at Dabeiba; the valley floor farther along is a hard river gravel overlain with 2 to 3 ft. of vegetable loam.

For the road itself, the standard section is shown in

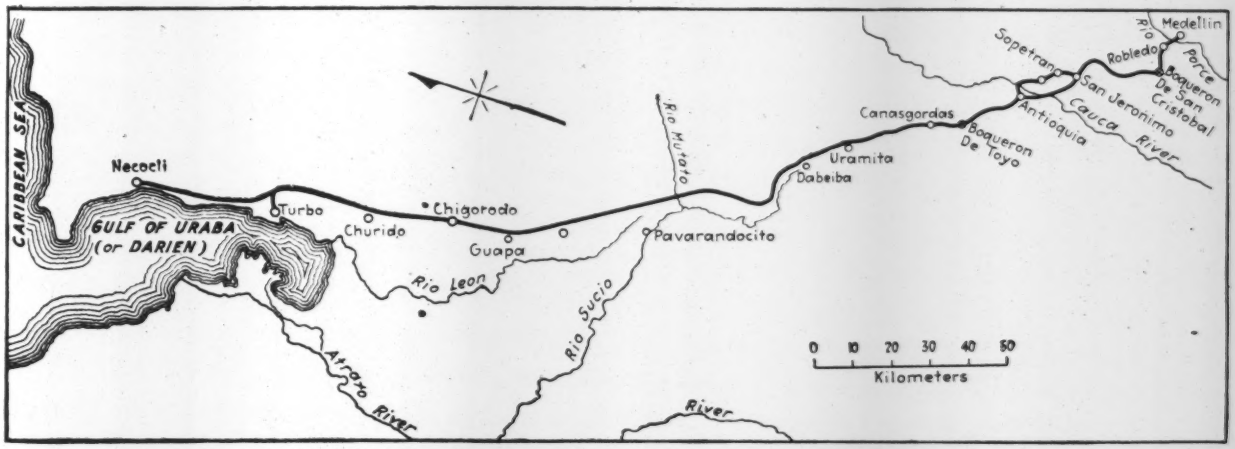


FIG. 3—TRANSANDINE HIGHWAY IN COLOMBIA, SOUTH AMERICA

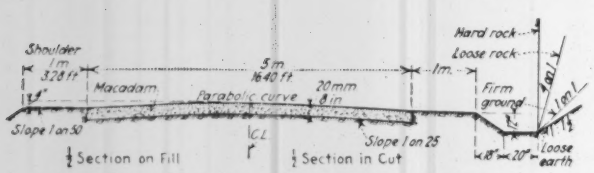


FIG. 5—TYPICAL CROSS-SECTION OF PAVED ROAD

Fig. 5. The design of a highway through this exceedingly difficult country that would meet the traffic requirements and still remain within reasonable cost was the subject of much study by various local engineers. The general engineering specifications are as follows: Right-of-way, minimum 20 m. (65.6 ft.); width of road, 7 m. (22.5 ft.); surfaced width, 5 m. (16.4 ft.); maximum grade, 5 per cent without compensation on curves, this low figure being adopted on account of loss of power in internal-combustion engines at the high altitudes; minimum grade, in cuts, 0.5 per cent.

For curves, the minimum radius is 114.74 m. (376.3 ft.) in open country and 38.64 m. (126.7 ft.) in mountainous country, with a sight distance of 60 m. (197 ft.). Consecutive curves in the same direction may be compounded or else separated by minimum tangents of 50 m. (164 ft.). Curves in opposite direction are to have intervening tangents with a minimum length of 15 m. (49.3 ft.). All curves between the above radii are widened on the inside by spiraling. All curves between 38.64 and 250 m. radius (126.7 and 820 ft.) are superelevated. All other curves, of which there is none in the first 120 miles, are to be simple circular curves without widening or change in standard crown.

Bridges have a clear width of 6 m. (19.7 ft.) except for temporary structures, and a headroom of 4 m. (13.12 ft.) in steel or covered spans. They are designed for a load of two 15-ton trucks operating in opposite directions. On account of transportation difficulties, construction standards call for dry-laid masonry as far as possible. For the same reason, culverts up to 6 ft. in diameter are of corrugated galvanized-iron pipe, and these are sometimes used in batteries. Some local brick walls and some mortar-laid walls have been used for both retaining walls and for culvert end walls. The surfacing calls for a two-course standard waterbound macadam of 8-in. compacted thickness; to be followed, after the road has reached the sea, by a bituminous macadam course with a compacted thickness of 2 in. Guard rails, cautionary signs, kilometer posts and other accessories are to follow standard practice.

Construction work was begun by the contractors on Feb. 21, 1927, at the first summit, 20 km. (12.4 miles) from the nearest town. The first 20 km. from Robledo,

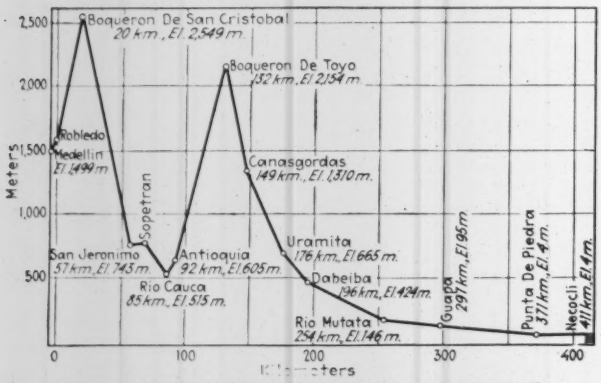


FIG. 4—DIFFICULT PROFILE FOR A HIGHWAY

at the Medellin end of the work, had previously been undertaken by government administration force account and was partly completed.

Pack mules were the only means of transportation and they had to climb 3,500 ft. in approximately 8 miles to get to the work. A standard load for a pack mule is 200 lb. Special loading is by means of using mules in tandem, if the trail permits. Transport of motor trucks to the work by pack mules is shown in Fig. 6.

On this account and due to the excellence and cheapness of local labor, practically all earth and rock movement has been done by hand methods and the faithful shovel, pick, wheelbarrow and other numerous well-known hand tools, together with portable or industrial railway track, have accounted for the progress made. As soon as subgrade permitted, tractors and their trucks have followed, bringing in concrete mixers, compressors, hoists, crushers, rollers and other equipment; so that

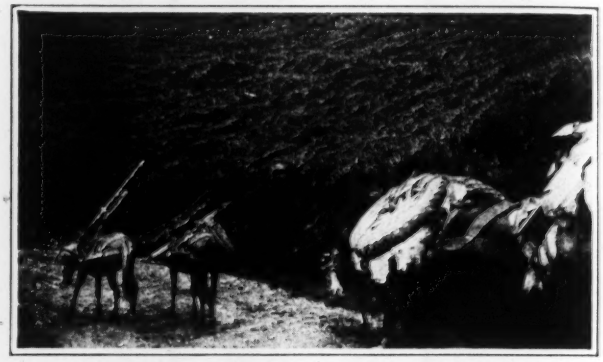


FIG. 6—MULE TRANSPORT FOR A MOTOR TRUCK

bridge building and surfacing operations closely follow similar operations elsewhere.

A summary of work done during the first sixteen months of contract construction shows the power of the lowly hand tool when used in considerable numbers: Earthwork, 2,625,160 cu.yd.; rock work, 1,264,760 cu.yd.; retaining walls, 42,226 cu.yd. Other and additional handwork done during this time has been the construction of 44 miles of tractor road through a wild forested country; 61 miles of pack trails; 11,628 cu.yd. of bridge masonry; 62 miles of drainage ditches outside of the limits of the standard cross-section, and the installation of a large number of corrugated galvanized-iron culverts. A combination of machine and hand work has put down a total of 14½ miles of surfacing. All labor has been recruited locally and has several times reached a peak of 6,000 men.

Funds for the Highway-to-the-Sea have been furnished by a series of 7 per cent Department of Antioquia loans, sold to American bankers, plus a subvention received from the national government. The firm of R. W. Hebard & Company, Inc., New York, has the general contract for the Medellin-Dabeiba division, 200 km. (124 miles), and during the past year it has conducted location surveys for the section from Dabeiba to the proposed port of Necocli. The engineering and construction staff has been composed principally of Colombians and Americans, with the former predominating. John H. Caton is chief engineer for the contractors, and Dr. Eduardo Orozco, of Medellin, is chief engineer for the Highway-to-the-Sea Commission, the president of which is Gen. Pedro J. Berrio, Governor of the Department of Antioquia.

Springbank Recreation Dam at London, Ont.

Pool 4 Miles Long Will Be Lowered at Summer Floods by Removing Stop-Logs and Emptied in Winter

A DAM to provide a long stretch of boating and other recreation facilities is being built across the Thames River by the city of London, Ont. It is unusual in that the 4-mile pool formed by it will be drawn off entirely in winter and drawn down as may be needed at times of summer floods, which are highest after heavy July rains. In summer the drawoff will be effected by removing stop-logs. Before winter sets in, besides removing the stop-logs, the steel columns into which the logs fit will be swung upward through a 90-deg. arc, pivoting on their upper end and the columns slung in a horizontal position close beneath the deck of the dam. These drawoffs are precautionary measures against flooding a portion of the city that was inundated at very high water years ago. The complete opening of the dam between piers in winter takes into account both flooding and possible trouble from ice in the pool.

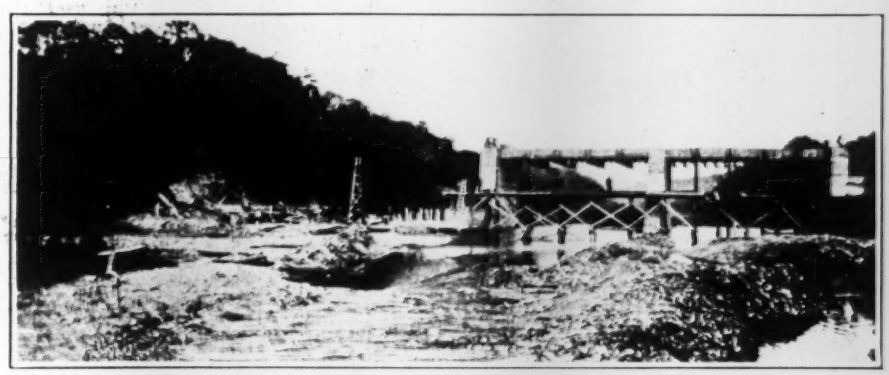
The main dam is 225 ft. long with flanks running up the banks. The dam raises the water 20 ft. at the dam and 2 ft. some 4 miles upstream, in the city. Opposite Springbank Park the full water level will be about on the contour line of the park walk nearest the river, whereas now the river is below and at some distance.

Except for the steel columns which hold the stop-logs and the steel girders that carry the deck, the dam is of reinforced concrete. Five piers, including one at each end, divide the main dam into four 50-ft. bays. Each of these is in five subdivisions formed by the vertical steel stop-log columns, which are held in position by counter-bases. The stop-logs are 10x12-in. British Columbia fir. An electrically operated crane running on a track in the deck lifts out the stop-logs, for stacking on the deck. The same crane is used to swing up the steel columns for suspension under the deck in winter.

The structure is supported by a reinforced-concrete mat, with cutoff walls 5 and 10 ft. deep. The natural supporting material is a dense, hard clay that had to be blasted in some places.

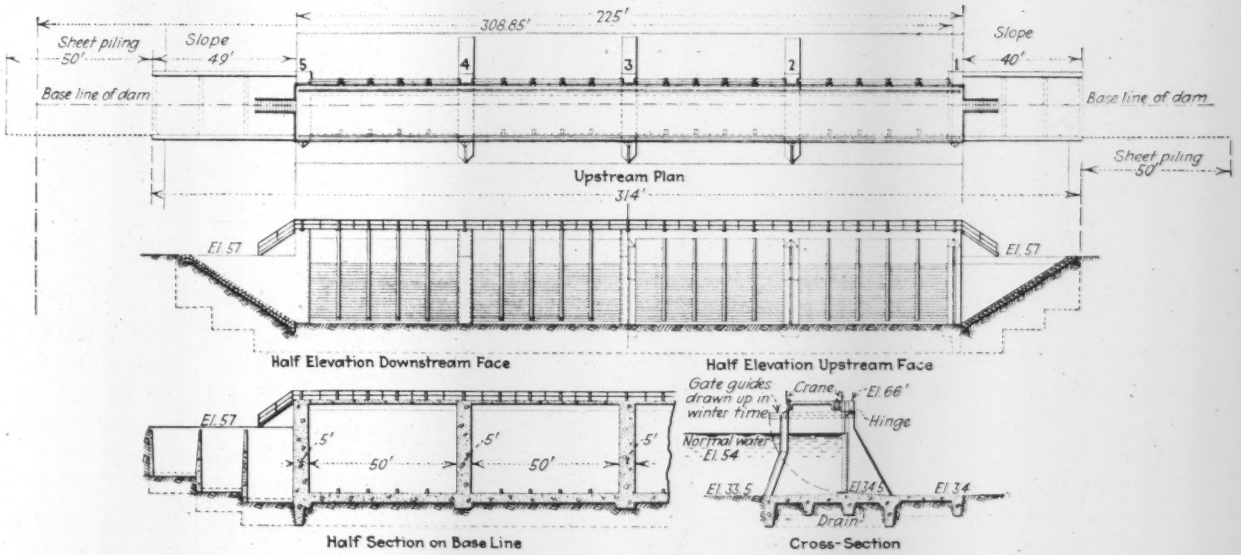
Construction was begun in June, 1928. On Nov. 1, 1928, about three-fourths of the mat was in place, three of the five piers had been poured together with the deck, some steel columns had been hung and work had begun on the remainder of the mat. It is expected that the dam will be in use in the summer of 1929.

On some of the bays the steel columns already mentioned have been suspended crosswise of the dam, beneath and supported by the longitudinal steel girders, to hold the bottom forms of the deck slabs while being poured.



SPRINGBANK RECREATION DAM

The city voted $150,000 for the dam and supplementary work, to be expended by the London Utilities Commission, an elected body of four, with the Mayor as chairman ex-officio. This commission operates the water-works, the electric distribution system and the parks



PLAN AND SECTIONS OF SPRINGBANK RECREATION DAM, LONDON, ONT.

and playgrounds of the city. The dam was designed by H. G. Acres & Company, consulting engineers, Niagara Falls, Ont. The work is being done by contract, the dewatering and concrete by J. A. Vance, Woodstock, Ont.; the steelwork by the Sarnia Bridge Company, Sarnia, Ont. Construction is supervised by W. P. Near, city engineer, under the immediate charge of J. R. Rostron, assistant engineer to the city on structural work.

Cement Gun Enlarges Column Sections for Additional Load

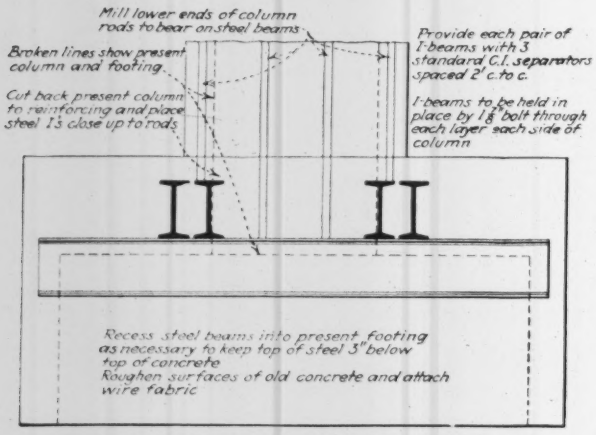
Four Stories Added to Concrete Frame Garage by Spreading the Footings and Guniting the Old Columns

By A. D. Hilborn
Miami, Fla.

IN THE spring of 1925 a rapidly increasing business made it necessary to build an addition to the Burdine department store in Miami, Fla. The element of time was important; the additional space was urgently needed for the opening of the winter season.

Adjacent to the main store building was a two-story garage owned by the Burdine Corporation. The frame of the garage was of reinforced concrete designed for the existing height of two stories. Because considerable time could be saved and the cost would be less than would be incurred were the present structure removed, it was decided to strengthen the columns and footings sufficiently to permit of carrying the annex up to six stories in height, making the addition the same height as the main building.

Several methods of procedure were considered before the final plan was adopted. The column spacing was greater than was necessary for a store occupancy and it was unsymmetrical. This fact led to a suggestion that additional columns might obviate the necessity for strengthening the present members. It was found that while this would solve the problem in one portion of the building it was not practicable in another. The use of structural-steel reinforcing for both columns and footings was given some study, as was also the use of the cement gun. A combination of structural steel and the cement gun was finally settled upon.



METHOD OF SPREADING OLD INTERIOR COLUMN FOOTING

The footings rest on native rock interspersed with sand pockets. It was found that the tops of the footings could be raised 1 ft. The necessary increase in spread could be made and an additional 12 in. in depth secured satisfactorily and economically by the use of the cement gun. The high compressive strength of the gunite would have satisfied the requirements in both flexure and shear, but the additional 12 in. did not afford a sufficient depth to steel to take care of either bond or tension due to bending. It was accordingly decided to reinforce the footings by means of steel beams. This scheme offered the additional advantage that the footings could be strengthened while waiting for the cement gun and crew.

In enlarging the footings provision was made for bond

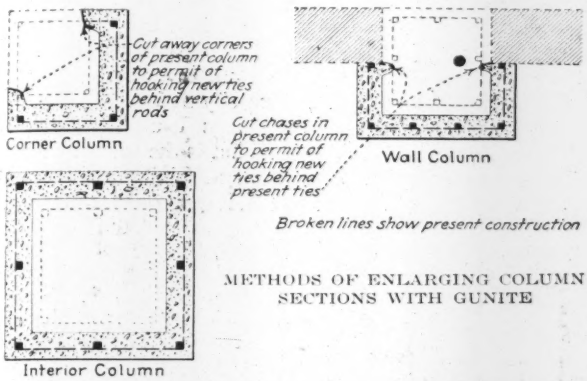
OLD COLUMN PREPARED FOR GUNITING
Note the reinforcement in place and the shooting strips erected to guide the placing of the gunite.

by roughening the old surface and coating it with a thick grout just prior to concreting. It seemed unwise to assume that a perfect bond could be secured or that it would be justifiable to consider the effective depth to reinforcing as the distance from the new top of footing to the center of the steel even in case a mechanical bond were provided. The required sections of steel beams were determined by deducting from the bending moments of the new footings the resisting moments of the old footings and providing structural I-beams to supply the difference. No hesitation would have been felt in assuming a fully effective bond had the cement gun been used in building up the footings. The footings were difficult to reach effectively with the cement gun and the excess cost of gunite over poured concrete would have exceeded any saving that could have been effected in steel.

A direct transfer of the load from the column to the reinforced footing was assured by chipping away sufficient concrete from the columns to permit of clamping the steel I-beams tight up against the vertical reinforcing rods. When the column section was later restored and enlarged with the cement gun, a substantial shoulder was provided, bearing directly over the steel beams.

There were 73 columns that required reinforcing. A large number of these were wall columns on the property

line. Even though sufficient concrete block spandrel wall were removed to permit of working close up to the building line, it would still be impossible completely to incase the old columns. If the cement gun were used, it would be possible to build on the exposed surfaces of the old columns without disturbing the spandrel wall. By uncovering reinforcing steel sufficiently to permit of hooking the new column ties behind either vertical rods or ties in the existing construction a firm connection could be assured. The use of the cement gun would make it possible to build up the new work to a solid bearing under the beams, which was important. This plan was adopted and the typical columns were detailed as shown in the sections. Column ties ¼ in. round were



METHODS OF ENLARGING COLUMN SECTIONS WITH GUNITE

placed on 6-in. centers, a fairly close spacing being a help in supporting the gunite during construction.

In designing the additions to the columns the carrying capacity of the old column, making allowance for the increased section that could be regarded as core, was figured on the basis of 450 lb. per sq.in. on the concrete with n taken as 15. A sufficient section of reinforced gunite was added to carry the remaining load at a maximum stress on the gunite of 900 lb. per sq.in. with n taken as 10. A minimum of 2½ in. of gunite was regarded as necessary, as the reinforcing could not be satisfactorily protected with a less thickness. This requirement resulted in most cases in a gunite stress considerably less than the maximum. The gunite sections varied in thickness from the minimum of 2½ in. to a maximum of 11 in. on one face of one of the wall columns.

The necessity of shooting the gunite onto the concrete surfaces at approximately right angles in order to secure the best results made it difficult to use any forms, and yet it was necessary to finish the columns to a reasonably true surface. This was accomplished by placing guide or screed strips at the two adjacent corners of the face under construction and building out, with the cement gun, to a slight fulness beyond the finished surface. The surplus was removed by working quite close behind the gun with a steel straight-edge.

The thickness to which it is practicable to build gunite on a vertical surface without sagging depends to some extent on the support offered by the reinforcing. It proved to be feasible in this case to place a 3-in. course at one continuous operation by working back and forth over the surface to be covered. In the case of columns requiring much, if any, more than a 3-in. reinforcement it was found advisable to move the operator to another column after placing from 2½ to 3 in. of gunite. The work would then be continued after the material already placed had set up sufficiently to eliminate all danger of sag.

Construction work in southeastern Florida was laboring under the handicap of a freight embargo at the time this work was under way. The supply of common laborers as well as of skilled mechanics was insufficient for requirements and heavy bonuses were being paid. This, together with the fact that the work was handled on the basis of actual cost plus a percentage, makes it impossible to say, from available figures, what the entire job, or the cement gun work alone, should have cost. A bid of $10,000 to cover the cement gun work only was submitted before definite arrangement for that part of the contract was made. This figure was considered excessive and was not accepted. The plans call for a total of 1,135 cu.ft. of 1:3 gunite.

Henry La Pointe was the architect in charge of plans and supervision. The general contract was let to the Herndon Construction Company. The gunite was placed by the Cement Gun Construction Company on the basis of a fixed daily rental for the equipment and a daily charge for the crew operating the machine. The writer was retained by the architect to prepare the structural drawings and specifications and to supervise the construction.

50-Ft. Concrete Bridge Piles Driven Six Days After Pouring

Illinois State Highway Department Uses High Early-Strength Concrete to Prevent Delay on Illinois River Bridge

By H. G. Farmer
Manager, Service Bureau, Universal Portland Cement Company

PRECAST concrete piles, 50 ft. long, of concrete with an average three-day compressive strength of 3,765 lb. per sq.in., made with standard portland cement, were used this year by the Illinois State Highway Department for a bridge over the Illinois River at Florence. In three days the piles were ready to be driven 35 ft. into the ground. A cross-section of the type of structure is shown in Fig. 1, and Fig. 2 shows the piledriver and some of the piles.

The piles were 14x14 in. x 50 ft. long, including a 5-ft. taper on one end, from 14x14 in. to 8x8 in. Corners were beveled by means of a 1½-in. V-strip in each corner of the form. Reinforcement consisted of four 1-in.

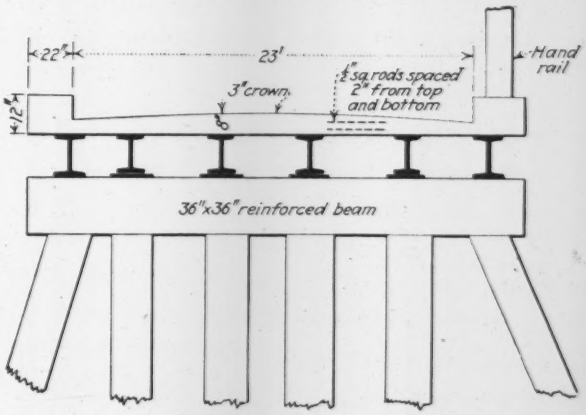


FIG. 1—CROSS-SECTION OF BRIDGE UTILIZING HIGH EARLY-STRENGTH CONCRETE PILES

round corrugated bars in the corners 2 in. from the face of the concrete. These longitudinal bars were wrapped with a square spiral of ¼-in. round wire pitched at 4 in. average in the main portions of the pile and at 2 in. in the 5-ft. tapered end.

Aiming at 3,500-lb. concrete in three days, a 1:1½:2 mix based on dry materials was used consisting of one sack of cement, 1½ cu.ft. of sand, 2 cu.ft. of stone and 3.75 gal. of water. A portable gasoline-driven two-sack mixer was used. A mixing time of five minutes gave a stiff and dense but workable concrete which spaded readily around the reinforcing. While concreting was in progress the air temperature ranged from 60 to 65

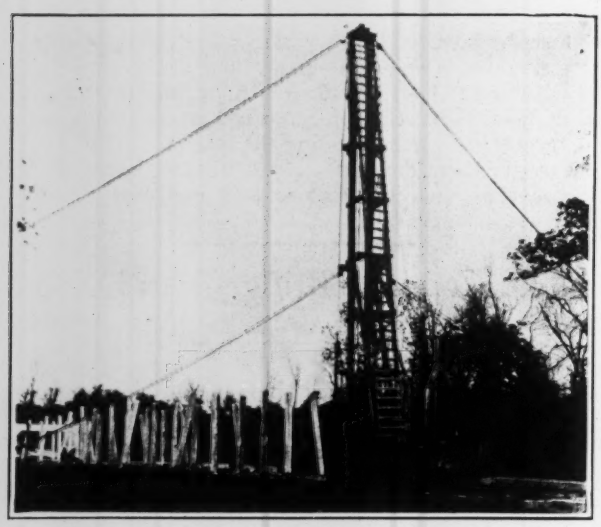


FIG. 2—DRIVING 50 FT. CONCRETE PILES OF HIGH EARLY-STRENGTH CONCRETE

deg. F. As a curing measure the piles were covered with sand, which was kept moist until the end of the three-day period. About four hours was required to make two piles.

Tests—At three days test cylinders cured under field conditions were broken under the 200,000-lb. testing machine in the state highway testing laboratory at Springfield. The average slump on test cylinders from four different piles was about 2 in. The highest test showed 4,482 lb. per sq.in. at three days. The average for the four piles was 3,765 lb. The load-carrying capacity of the individual piles, based on the weight of the hammer, the distance of the fall and the degree of penetration, was 58 tons each, or more than twice the load (27 tons) specified on the state plans.

Although the state highway authorities were satisfied that the strengths shown at three days were sufficient to warrant driving the piles immediately, they were not driven until three days later, when a piledriver became available.

Driving—The piledriver used a 5,000-lb. steam hammer with a fall of 3½ ft. With a pile hoisted into a vertical position by a rope wound around it at about the third point, it was driven to a penetration of 35 ft. In the earlier stages of driving, when the pile was nearly all out of the ground, it was subjected to severe bending stresses, but without damage. An examination of the pile after it was in place showed no cracking or chipping. The outer piles, as shown in Fig. 2, were driven on a batter.

A Layman Visits the Sewage-Works

Lack of Odors, Attractive Appearance, Cleanliness of Plant and Clarity of Effluent Agreeable Surprises

By Charles MacCabe Smith
Advertising Manager, Celite Products Company, Los Angeles, Calif.

I AM a layman. Most things I take for granted. When I open a faucet in my home I expect water to come forth. If it should fail, I should be greatly surprised—even if it hadn't rained on this watershed for two years. Why shouldn't I? Faucets installed in my house are made to bring me water. I pay my water bills the tenth of every month. It's not my worry if there isn't any water to pump into the city mains.

When I am through with things I usually consign them to the sewer. Good-by. What is the sewer? Why it's a system of iron and vitrified piping that starts in one's bathroom and goes—well, it goes down the street. I don't care where it goes, so long as it doesn't go into the ocean. I usually swallow some water when I am swimming and I shouldn't like to think I was swallowing sewage. I'd rather it didn't go into the river either. For I have to drive alongside the river on my way to the office, and I want to enjoy the fresh air.

What's the matter with sending it out to one of those sewage-disposal places? What are they? They're what we got for the two million dollar bond issue we couldn't vote down last year.

Two million dollars! Wow! Come to think of it, that's umpty dollars per resident. Must be something worth looking into.

Tomorrow I'll go out and see what it's all about. I'll wear that old suit I was going to give to the Good-Will Mission. Must be an awful place. Hope I don't come away with boils all over my arms. Chubby promises to take me out. He is our technical department.

* * *

We drive up between a vegetable garden and a beautiful flower plot.

My word! I never saw water used so lavishly in all of southern California. Chubby tells me that's the effluent. I am to find out later what he means. In the meantime I pick a beautiful posy and test its fragrance. We cross a broad expanse of perfect lawn to what looks like an administration building. In my mind I congratulate them, whoever that vague "they" might be, for locating their office far enough away from the plant to be away from the smell. "Mr. Smiley, meet Mr. Smith, our advertising man." Surely we may take pictures! Mr. Smiley is a genial good scout. If one hadn't been told differently, one would think he was a human being instead of an engineer.

Chubby leads. Right next door is the power plant. Four or five synchronous—I mean slender—motors are direct-connected to blowers. They use blowers altogether instead of compressors, I am told.

Outside the blower building we climb onto a concrete thing that looks like a rectangular reservoir. It is not, however, I presently discover, for right at my feet is a

rushing, turbulent stream of muddy water. On the other side of the stream are dozens of tanks formed by concrete partitions, some seething like the stream at my feet, others quiet and placid.

"What the devil has all this got to do with the sewage-disposal plant," I ask Chubby.

"This is the sewage-disposal plant," he replies.

I blow my nose to see what's the matter and look at him with that sneerful, doubting expression they all dislike.

"Sure it is," he replies; "the only place that ever really smells bad is the screening plant."

I had set my nose for a big smell. I'm a stubborn individual and am determined to get that smell, no matter how uncomfortable it might make me.

"All right, we are going to see the screening plant," Lo and behold, what an eyeful! All the things we laymen think go out of sight when we send them into the sewer are captured here, on a revolving, perforated drum that looks like the sorting screen in a rock-crushing plant. Spread before us in a deep tray are banana skins, earrings, apple cores. "Goodness, gracious me, let's go back to the sludge plant."

We detour, however, down to a building that houses three big Oliver filters and a couple of vacuum pumps. There is a little working model of an Oliver on a bench and Chubby pulls his hands out of his pockets and explains—I should say tells me—how the thing works. It's divided on the inside into three segments. Sludge comes in around the outside of a huge, revolving, cloth-covered drum, submerging about a third of it. A vacuum pulls the water through and the solids remain on the surface of the cloth, forming what is called a filter cake, about ¼ in. thick. In segment 2, more vacuum is applied to pull as much moisture as possible out of the filter cake. But when the cake gets revolved around to segment 3, the action is reversed and air pressure tends to separate the cake from the cloth. A little farther along a steel blade skims the cake off the drum. Here the cake resembles rotten sections of gray blanket as it tears off under its own weight and drops onto a conveyor belt that hustles it away beneath the floor.

The cake comes to view again in an adjoining building, where a train of steel disks slices it into small chunks just before it drops into the receiving end of a drier that looks every bit like a rotary cement kiln and fully as hot. A slight odor arises around the drier, as if the smelly bacteria were feebly revolting against a fiery extermination.

At the delivery end of the drier the stuff looks like sweet pea seeds. Innocent bags of it are piled high in the warehouse and I learn that truck gardeners and golf clubs are eager to pay fat prices for it, for they can't buy better fertilizer.

What a shame to think of all the valuable fertilizer that American cities are sending down the Mississippi, the Hudson and the Delaware! If their engineers could only be along with us today! But this is a quite typical sludge plant, Chubby tells me. The principal innovation is the disposal of the sludge. They filter it here instead of running it off into lagoons as they do in lots of places.

My mind is wandering back to my first sight of the plant.

"What about the effluent?" I ask.

We climb back onto the tanks and he points out the quiet pools on the east side.

"That's it, running off the top. It's chlorinated to less than 50 bacteria per cubic centimeter, a lower count than is often required of city water. Then it is used for irrigating these farms around here. Theoretically it is practically free of solids. But some of the stuff that is full of gas persistently floats on top and goes off with it. Some day we hope to perfect a means for filtering this effluent, too."

I am thinking now about the bacteria that have to be poisoned, and make my thoughts known.

"We have experimented with liquids containing 200,000 bacteria per cubic centimeter," Chubby continues, "and have brought the count down to 70 or 100 by filtering through filter-aid."

I cogitate strenuously and almost slip into an aeration tank as a penalty for paying too little attention to my feet. Millions of floc wave a ready welcome, almost a challenge that said I would not be able to swim in the stuff. No, I shan't try to show them. When it comes to a challenge to see if I can keep my head up, I'll try first among the engineers.

What can't one learn when one gets off the beaten trail!

Haul Bricks in Container Cars

Advantage in transporting brick by rail in container cars instead of in bulk on barges were noted in a paper on handling traffic with the container system, read by G. H. Wilson, superintendent, New York Central Railroad, at the recent annual meeting of the American Association of Railroad Superintendents. This part of the paper was substantially as follows:

The brick container car, with twelve containers, quickly came to the front as a very economical method of handling that commodity. These cars are also assigned to the crushed stone, sand and gravel trade. There are more than 20 large and several small brick yards along the Hudson River, between New York and Albany, that heretofore shipped about 90 per cent of their brick in barges to the New York market, involving manual handling from yards to barges, thence to docks and from docks to trucks for delivery at building operations. All these yards have in the past five or six years greatly increased their output and the container cars now handle about 90 per cent of it.

The brick yards have private sidings on which the containers are loaded with mechanical conveyors, and the container cars move in regular trains every night for the next day's delivery. At destination, the cars are placed on tracks spanned by electric traveling cranes (generally of 10-ton capacity) which pick up the containers and empty the brick into dump trucks. Each container has a capacity for 3,000 bricks and each car holds 12 containers, or a total of 36,000 bricks per car. It requires less than two minutes from the time the crane starts to hook on until the empty container is back on the car. At one station there are three parallel tracks with a total capacity of 38 cars, served by two cranes, and 76 cars per day are handled, or 2,736,000 bricks.

There are six such delivery stations at convenient locations in Greater New York and others are being established in suburban territory. The empty cars are returned every night by designated trains to their proper stations, where they are again loaded. The breakage of brick is fully 30 per cent less than by the old method of many manual handlings. While the rail rates are fair to the roads, the shippers get the brick to the consumer at less cost than by the old cumbersome method.

Asphalt Road Construction and Service Problems

Extracts From Outstanding Papers Presented at the Asphalt Paving Conference in New Orleans Give Cross-Section of Practical Problems Concerning Asphalt Road Builders

STABILIZATION of asphalt mixtures, asphalt road service records and improvement in construction methods are the practical problems which are concerning asphalt road builders. Methods of construction that will produce a smooth surface, an asphaltic mixture that will stay put and a maintenance cost record that will bear inspection are being sought. The papers abstracted here are selected from a score presented at the New Orleans conference on asphalt paving practices as presenting a fair example of the results of investigation and experience.

Time Losses in Asphalt Paving

By T. Warren Allen

Chief, Division of Management, Bureau of Public Roads, Washington, D. C.

DURING the past summer we have kept rather complete records on a number of jobs of the various causes which interfere with production. Tables I and II are summaries of the time losses on two typical jobs. The first job is fairly typical of the smaller plant and had a mixer capable of handling only a 750-lb. batch. The hauling equipment was good and the plant and other equipment could be classed as fair. The record covers a period of 793 available working hours, of which the job was actually working only 398 hours. A total of 395 hours, or practically one-half of this available time, was thus spent in enforced idleness.

The largest loss was, of course, due to the weather, which in this case included a rather unusually rainy period; 252 hours, or 31.8 per cent of the available time, was lost due to rain, wet subgrade and kindred causes. During the greater part of this time the payroll expenses of a crew of 68 men were limited to four or five straight-time men, including the superintendent, time clerk, one foreman and a night watchman. Moving the plant to a new siding consumed 71 hours, while plant breakdowns, mechanical troubles and changing from one mix to the other consumed an additional 43 hours, and a variety of miscellaneous causes consumed the remaining 29 hours. Practically one-half of the best portion of the contractor's working season was thus irretrievably lost so far as possible profitable operation was concerned.

But this was not the end of the contractor's time losses. More than one-fourth of the time, or 25.4 per cent of the total time he was actually on the job with his full crew, was lost in minor interruptions and delays. Thus a total of 10.5 per cent of the time he was out on the job was lost in waiting for hot materials; 6 per cent was lost because of minor mechanical troubles, chiefly at the plant; 4.5 per cent was lost because of inadequate truck supply; the mixer operator added 2.1 per cent to the contractor's already sufficient burden, while 2.3 per cent of the time was lost due to various miscellaneous causes. The operating cost of this job was approximately $350 per day. Consequently a loss of an average of 25.4 per cent of the working time represented a shrinkage in the contractor's possible profits of more than $80 per day. Not all of these minor time losses can be eliminated, but we have yet to find a job with large time losses of this nature, or, in other words, operating at a low rate of efficiency, on which it has not been possible materially to reduce the time losses, increase the rate of production and decrease the unit costs.

Another job which can be considered as typical of large plants during the best part of the construction season shows a total loss of only three hours in actual stops of any considerable duration. This particular study covered a period of only three weeks during the dry weather or the month of August, consequently no time was lost due to rain or wet subgrade. The total available time was 136 hours, of which the crew was on the job all the time and of which the plant was shut down only a total of three hours in stops longer than fifteen minutes in duration. Thus on this job during the time of the study less than 2¼ per cent of the total available working time was lost in stops of appreciable duration. A really enviable record!

TABLE I—TIME LOSSES ON ASPHALT CONSTRUCTION WORK, EMANUEL COUNTY, GEORGIA

Major Delays to Production—Includes Only Definite Stops or Delays Each of Fifteen Minutes or More Duration

Cause	Hours Lost	Per Cent of Total Available Time
Weather (rain and wet subgrade)	252.0	31.8
Moving plant to second set-up	71.0	9.0
Plant breakdowns and mechanical trouble	32.8	4.1
Changing from top to base, etc.	10.5	1.3
Miscellaneous causes	29.0	3.7
Total time loss	395.3	49.9
Total time available	793.0	100.0

Minor Time Losses—Each of Less Than Fifteen Minutes Duration

Cause	Per Cent of Total Working Time
Waiting for trucks	4.5
Mixer, operator	2.1
Mixer, mechanical trouble	0.8
Elevators, mechanical trouble	1.3
Drier, mechanical trouble	1.2
Drier, waiting for hot materials	8.4
Asphalt heater	0.9
Asphalt pump	0.2
Power plant	1.7
Batcher, mechanical trouble	2.0
Miscellaneous	2.3
Total	25.4

TABLE II—TIME LOSSES ON BITUMINOUS CONCRETE CONSTRUCTION WORK, MONROVIA, CALIF.

Major Delays to Production—Includes Only Stops Each of Fifteen Minutes or More Duration

Cause	Hours Lost	Per Cent of Total Available Time
Truck shortage	1.5	1.1
Mixer trouble, mechanical	0.5	0.4
Finisher, mechanical trouble	0.5	0.4
Screen clogged	0.5	0.3
Total time losses	3.0	2.2
Total time available	136.0	100.0

Minor Time Loses—Each of Less Than Fifteen Minutes Duration

Cause	Per Cent of Total Working Time
Waiting on trucks	11.8
Drier, waiting for hot materials	9.2
Asphalt filling and emptying can	4.6
Mixer, mechanical troubles	1.5
Mixer, operator	1.0
Screens	0.2
Miscellaneous	0.5
Total	28.8

But in the matter of minor delays this job was not so fortunate. The record shows that an average of 28.8 per cent of the time was lost in minor delays varying from a few seconds to five or ten minutes each. Even during the best week these delays absorbed 25 per cent of the working time. The largest and most persistent cause of this loss, amounting to 11.8 per cent, was the lack of really sufficient trucks and the fact that those on the job were not operated on any regular schedule but were allowed to bunch up from time to time. This plant had no hopper or "gob box" for storing the mixed batches, but each batch was dumped directly into a waiting truck. The batch weighed 4,000 lb. and each truck carried three batches. Consequently, whenever a truck was not immediately on hand to drive under, the mixer was forced to wait until one arrived. A "gob box" which would have held three batches, or a full load, not only would have decreased the loading time of the trucks but would also have absorbed a reasonable factor of variation in the flow of the truck supply.

The next large factor in causing these minor interruptions to steady production was drier delay, which absorbed 9.2 per cent of the working time. Nearly all of this delay was due to poor regulation of the correct proportion of the various sizes as fed into the cold elevator. This frequently caused either a shortage or an overflow of hot materials in some one of the four hot bins. In other words, the usual methods of feeding the cold elevator with materials for bituminous concrete are difficult to work so that the supply of each of the several sizes going into the drier will always be in the right proportions. Sooner or later we shall no doubt develop some thoroughly practical method of properly proportioning the materials as or before they enter the drier. This should prevent a considerable loss in heated material which must now be run out of the overflow bins, and it should also cut down the heat losses in the present long passage of the materials between the drier and the minor insert.

Poor asphalt handling on the job referred to above also accounted for a total of 4.6 per cent of the lost time. Where a large batch is used, the question of handling the rather large volume of asphaltic cement must be worked out very carefully, otherwise time is likely to be lost regularly with each batch. Even comparatively small individual time losses of this kind often accumulate to a rather surprising total during the course of a day. On this job the mixer gave a little trouble and the operator did not seem to be aware of the value of seconds, so that an average of 2.5 per cent of the available time was wasted here. Miscellaneous time losses from various causes consumed an average of 0.7 per cent of the time, completing the total of 28.8 per cent time loss.

The effect of these time losses on the unit cost of this job may be worth an examination. The hourly operating cost, including labor, supplies, rental value of equipment and overhead, exceeded $100 an hour with a production of about 75 tons an hour, or approximately $1.35 per ton. If all the time losses could have been eliminated, the contractor could have placed 104 tons an hour with probably only the added hourly cost of two or at the most three extra trucks to haul the additional tonnage to the road. The unit operating cost could then have been cut to about $1.05 per ton, a reduction of 30 cents a ton. In other words, the total elimination of just these minor delays, each of so short duration as generally to escape notice except under the most careful observation, would have been worth more than $200 per day to the right side of the contractor's ledger. Even the reduction of his time losses by one-tenth would have amounted to about $20 per day—surely, a worth-while accomplishment.

* * *

Asphalt Service Records in Michigan

By V. R. Burton

Engineer of Research and Statistics, Lansing, Mich.

THE accompanying table gives the information from which service results may be estimated. The jobs listed include all those on which continuous maintenance records of any length were obtainable. The yardage shown includes about 55 per cent of the total yardage of asphalt roads of the Michigan state system. They have been separated into those roads with rigid base and those with flexible base and are listed in order from the newest to the oldest.

In several cases the width as given is not quite accurate, as there are short stretches of 20-ft. pavement at the entrance to a city or village. These do not amount to more than 5,000 or 6,000 sq.yd. per job and cannot seriously affect the conclusions. The traffic given is the average traffic over the period noted. Jobs Nos. 1 and 2 are for the period 1921-23 inclusive, while Job. No. 8 is from 1920-26 inclusive. All other records date back from 1928. Only trucks of more than 1½-ton capacity and buses are included in column 8, while in column 9 total motor vehicle traffic is given.

The costs given include the filling of surface cracks twice annually, patching of both wearing surface and

STUDY OF ASPHALTIC CONCRETE SERVICE RESULTS IN MICHIGAN

Job. No.	Sq.Yd. Represented	Width Ft.	Age Period Involved	No. of Years Record	Design: Base	Design: Top	Daily Avg. No. Heavy Trucks and Buses	Daily Avg. Total Traffic	Avg. Annual Maint. Cost Per Sq.Yd. in Cents
			Asphaltic Concrete on Cement Concrete Base						
1	47,921	18	1–4	3	6 in. cem. conc.	2 in. Topeka	13	1,307	0.640
2	118,464*	18	1–4	3	6 in. cem. conc.	2 in. Topeka	40	1,493	0.781
3	112,337	18	1–6	5	6 in. cem. conc.	2½ in. sheet	37	1,283	1.116
4	140,866	18	2–7	5	7 in. cem. conc.	2½ in. sheet	83	2,319	1.132
5	209,521	18	1–8	7	6 in. cem. conc.	2 in. Topeka	62	1,629	2.254
6	106,096	18	1–9	8	6 in. reinf. c.c.	2 in. Topeka	236	3,370	1.602
7	195,278	18	4–9	5	6 in. cem. conc.	2 in. Topeka	62	1,720	2.967
8	53,787	16	4–10	6	5 in. cem. conc.	2 in. Topeka	16	449	0.620
9	141,391	24	1–11	10	7 in. cem. conc.	3 in. sheet	217	3,934	0.745
	1,125,661								
	118,464—Duplicated yardage.								
	1,007,197—Total yardage.								
			Asphaltic Concrete on Flexible Base						
10	152,877	18	1–3	2	Gravel	2 in. stone-filled sheet	67	1,993	0.240
11	111,271	18	1–3	2	Gravel	2 in. stone-filled sheet	147	1,855	1.130
12	90,742	18	1–4	3	Gravel	2 in. stone-filled sheet	28	901	0.267
13	83,297	18	1–5	4	Macadam	2 in. stone-filled sheet	24	1,219	0.728
	438,187								

base, or any other cost which pertains to pavement only. Average costs over the entire period are used, because it is felt that they are much more indicative of true cost than would be a study of costs from year to year. The tendency in maintenance on rural highways is to make more or less temporary repairs on the surface each year until enough work has accumulated to justify the placing of equipment on the road suitable for permanent repair. This makes for annual costs which gradually increase up to a certain point and then take a sudden rise for the next succeeding period in which costs start rising again. Fortunately for our averages, 1927 and 1928 were years of adequate maintenance funds and most of the pavements needing it received permanent repairs in either one or the other of these two years.

Job No. 2 is a part of Job No. 7, on which the costs were kept separately for the first three years and after that were thrown into the same maintenance section. Jobs No. 5 and No. 7 are not satisfactory under the traffic they are now carrying, and will need reconstruction in a few years. Job No. 6 is on the ragged edge of a complete resurface.

Summing up the conclusions that may be drawn from service results, we feel justified in saying that under the particular conditions existing in Michigan:

1. Five-inch plain cement concrete base is inadequate unless the number of heavy units and total traffic over the road is very small.
2. Six-inch plain cement concrete base is unsatisfactory unless the average number of heavy units passing over it is less than 40 per day.
3. Seven-inch plain cement concrete base is satisfactory for traffic up to an average of 100 heavy units per day, if the width is 18 ft.
4. Seven-inch plain cement base on a pavement width of 24 ft. is satisfactory up to an average of at least 250 heavy units per day and probably many more.
5. Forty-pound mesh reinforced cement concrete base, 6 in. thick, is about equal to 7-in. plain base.
6. Maintenance costs over a period of ten years may be kept at an annual average of less than one cent per square yard where the design is fully adequate for the traffic carried.
7. Maintenance costs which average more than two cents per square yard over the first ten years indicate unsatisfactory pavements.
8. With traffic under 70 heavy units per day, asphaltic concrete on flexible base shows a lower annual maintenance cost than with a 6-in. plain cement concrete base.
9. In general a sheet asphalt mixture is more suitable to rural highways than is the Topeka mix.

* * *

Individual Study of Fillers Is Required

By Hugh W. Skidmore
Chicago Paving Laboratory, Inc., Chicago, Ill.

THE greatest single factor in the stability of normal asphalt mixtures is the filler. Increase of filler means increase in resistance to displacement without decrease in workability or compressibility when the volume of bituminous cement is maintained in proper relation to mineral aggregate. Rational treatment of the filler portion of the mixture is the most powerful single factor for good available to the designer. A wide variety of both fine and coarse aggregates may be used without too great refinement, likewise any and all of the asphalt cements now available and complying with standard requirements are perfectly safe and need give nobody a moment's worry, if they are not misused. A variety of filler materials are also entirely suitable for use, but no two are alike and each must be thoroughly determined. To my mind the subject of fillers is the least understood and the most important factor in mixture design; it provides the most fertile field for further research in both the practical and purely scientific directions.

* * *

Asphalt Joint Fillers for Brick Pavement

By Harry J. Kirk
State Director of Highways, Columbus, Ohio

WE HAVE been able to a large extent to overcome the difficulty of excess filler by applying the asphalt with what is known as a squeegee bucket. The hot asphalt instead of being dumped directly into the pavement is poured into the tank of the machine and is released through a valve at the bottom as needed. It is distributed by means of a rubber and fabric squeegee attached to the machine. It is possible in this way to fill the joints to within $\frac{1}{8}$ to $\frac{1}{4}$ in. of the top and leave a film of asphalt only about $\frac{1}{32}$ in. thick on top of the brick. The use of this machine has been encouraged in Ohio and will probably be required in the specifications in the near future.

There seems to be a vast difference in the time it takes various asphalts to become worn off or to chip off the surface of the pavement. This is influenced to a large extent, of course, by the kind and condition of the brick and the volume of traffic, but even so it seems that under comparable conditions two fillers, both of which meet the specifications, will give widely different results as to the tenacity with which they cling to the surface of the pavement.

The greatest forward step that can be made in the manufacture and use of asphalt fillers for brick pavements is to prevent, in so far as possible, this excess asphalt on top of the pavement, to furnish an asphalt that will wear off the surface of the brick as quickly as possible and at the same time remain in the joint to keep it permanently sealed. In view of the fact that certain fillers, apparently satisfactory in other respects, disappear from the surface much sooner than others, it is believed that some very helpful work could be done along this line.

* * *

Penetration Road Service in Massachusetts

By V. L. Ostrander
Manager Eastern Branch, Asphalt Association, Boston, Mass.

ASPHALT macadam using the heavier grades of binder was first used in Massachusetts about 1909. Prior to that time a hot oil binder had been largely used. The change was beneficial and the further development of the type received study. Methods, materials and machines for its construction were perfected until today asphalt macadams in that state are undoubtedly the equal of the very best to be found anywhere and actually compare most favorably with much more expensive pavement types. The standard specifications for asphalt macadam are summarized as follows:

Foundation—12 in. gravel (minus 4-in. size) plus $4\frac{1}{2}$ in. of crushed stone; or 10 in. stone fill plus 2 in. of crushed stone.

Top Course—$2\frac{1}{2}$-in. course ($1\frac{1}{4}$-in. to $2\frac{1}{2}$-in. size) of trap rock or its equivalent. Keystone $\frac{1}{4}$ in. to $\frac{3}{4}$ in.

Asphalt—$2\frac{1}{4}$ gal. first pour, $\frac{1}{2}$ gal. second pour, 85-100 penetra-

tion. No application at air temperature below 50 deg. F. Adequate pressure maintained to the end of the pour. (40-60 lb.)

Rolling—One 10-ton roller per 100 tons of stone per eight hours, in addition to other courses. Back rolling one-half day on each 500-ft. stretch.

These roads present a rather "toothy" surface to traffic, with no surface mat, the stone taking the wear. They offer a driving surface that is safe at all times and under all weather conditions. Ten to twelve years without oiling is the usual practice; many go longer. Some of the first-built roads have never yet been resealed. Great care is taken to prevent inexperienced maintenance men from oiling these surfaces before it is necessary.

For city streets the practice is varied somewhat to meet the necessity for frequent cleaning. The variation is generally a third application of asphalt or 85 per cent asphaltic oil at the rate of $\frac{1}{3}$ gal. per square yard applied about one month after the street is otherwise complete. This is covered with clean fine gravel, well rolled, with the excess later removed. This gives a dense, smooth, easily cleaned surface that can scarcely be distinguished from sheet asphalt.

Penetration macadam base is being considerably used and gives uniformly satisfactory results. It is generally of the same specification as wearing course, with $1\frac{1}{2}$ gal. single pour. It makes a much firmer base on steep grades than does ordinary sand-filled crushed stone as well as being of greater supporting power under heavy traffic.

A discussion of suitability would not be complete without reference to initial cost. For pavement widths of 20 to 24 ft. the comparative costs of the three most used types in Massachusetts per mile of complete road are approximately as follows:

Penetration macadam	$40,000 per mile
Asphaltic concrete	20,000 per mile
Reinforced concrete	60,000 per mile

It is always difficult to arrive at proper conclusions as to highway maintenance cost, as this item is so variably affected by the complex factors of comparative age, traffic, soil conditions, standard of maintenance, etc. Frequently the money available rather than the condition of the pavement governs the maintenance cost. Averaging from many miles and from many sections under the same maintenance authority and from projects of approximately equal ages serves to minimize this variation. To this end all of the federal-aid highways in the state were selected for consideration as to maintenance cost, the records for 1927 being as shown below.

Type	Miles	Total Cost Per Mile	Surf. Only Per Mile	Age, Years
Cement concrete	39.3	$625	$298	6–10
Reinforced cement concrete	132.5	545	118	1–6
Bituminous concretes	44.6	320	57	1–9
Bituminous macadams*	221.7	480	174	1–9
Dual	3.7	951	297	2
Gravel	1.0	899	668	Temp. only
All types	442.8	501	159	

*This includes both asphalt and tar macadam, and both gravel and stone fil foundations.

It should be stated that most of the asphaltic concretes are really sand asphalts of special design for the special conditions obtaining on Cape Cod.

Metcalf & Eddy Report on Wanaque Aqueduct

ENGAGEMENT of Metcalf & Eddy, of Boston, Mass., to report on one of the many changes in designs for the Wanaque aqueduct proposed since the commission adopted the original Pratt and Sherrerd plans in 1924 was announced in *Engineering News-Record*, Aug. 16, 1928, p. 258. The Metcalf & Eddy report has not yet been published, but its main findings have been announced in the local press, most fully in the Newark *News* of Dec. 13. The Boston engineers were employed by three of the eight contracting municipalities—Montclair, Bloomfield and Glen Ridge—for which the Wanaque project is being executed by the North Jersey District Water Supply Commission. They were asked, in substance, to advise the three municipalities whether they should sign a supplementary contract with the commission, necessary to provide funds to build the aqueduct. Although not approving the plans referred to them, Metcalf & Eddy advised signing the contract rather than cause further delay in completing the project and because of the fact that these three communities have been relieved of their share of certain construction costs.

Conclusions quoted by the Newark *News* from the Metcalf & Eddy report are:

Twin steel lines of present plan do not have sufficient capacity, unless supplemented by pumping at the dam.

Installation of pumping station at Wanaque dam is undesirable.

Use of twin steel lines unnecessary and is expensive as compared with a single line of equal capacity.

A more permanent and more economical aqueduct can be obtained through use of a single steel pipe with cement mortar lining and outside concrete protection and of sufficient size to provide for the maximum flow without pumping.

The Boston engineers estimated that an aqueduct having at its upper end a single 108-in. pipe of the kind outlined just above would cost $7,326,100, compared with their estimate of $7,149,200 for the twin 74-in. conduits at the upper end, and that the single conduit would save the necessity of pumping to insure a delivery of 150 m.g.d. if the 74-in. twin conduits were used. Capitalizing operating costs at 6 per cent, Metcalf & Eddy put the cost of the single line at $6,428,000 and of the double line at $7,544,000, a saving of $1,116,000 for the single line. The above estimates of cost exclude rights-of-way and proposed strengthening of the existing portions of the aqueduct.

As to aeration at the Wanaque reservoir, abandoned by the commission in 1927 on recommendation of George A. Johnson, restored after his subsequent dismissal, and again provided for under the Fuller & McClintock plan, but necessitating pumping to the aerator, when aeration is deemed necessary, Metcalf & Eddy say that aeration is advisable. The Boston engineers failed to see why the whole district represented in the pact should be called upon to pay pumping charges at Wanaque dam for the benefit of Kearny, which would be relieved of installing its own pumping plant for its own heights. It should be interjected that some readjustment of costs entailed by pumping to the aerator has been made since Metcalf & Eddy were engaged.

The engineers just named stated in their report as follows: "From the standpoint of safety against damage, the twin line plan affords little protection. In this plan the two pipes are placed with a clearance between them of but 3 ft. Should a serious accident occur to one of them involving a break, the resulting washout would probably put the second line out of service."

For a long list of earlier articles dealing with plans and counter plans for the Wanaque aqueduct see *Engineering News-Record*, Oct. 4 and Dec. 13, 1928, pp. 523 and 891.

Bids for the Wanaque aqueduct were received Dec. 20, 1928, as summarized in the news section of this issue. The contract was awarded to the T. A. Gillespie Company at $5,127,628.

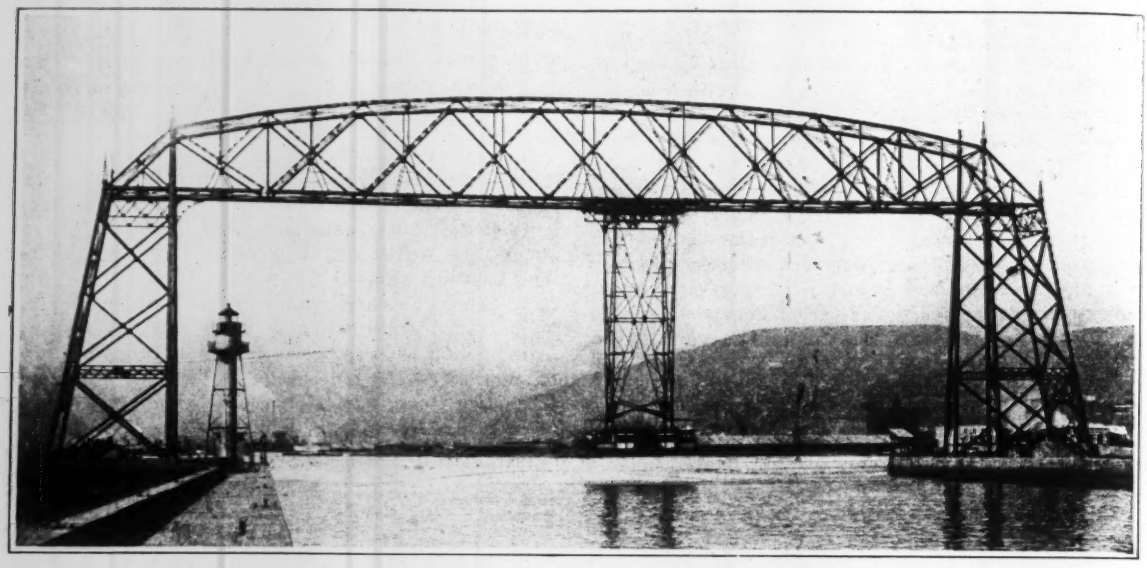


Fig. 1—Present Ferry Bridge at Duluth, Minn.

Lift Span to Replace Duluth Ferry Bridge

Old Structure of Unique Type Will Be Raised and Strengthened to Carry Bridge Replacing Ferry Car—Present Clearance Height to Be Maintained

By Ernest E. Howard
Ash-Howard-Needles & Tammen, Consulting Engineers, Kansas City, Mo.

BECAUSE of the inadequacy of present facilities, the city of Duluth, Minn., has found it necessary to replace the ferry car of the old Lake Ave. South bridge with a lift span of modern type which will provide more continuous service. This structure across the 320-ft. artificial entrance to Duluth harbor connects the mainland with Minnesota Point, a natural breakwater 500 to 700 ft. wide and nearly 7 miles long which separates the harbor from Lake Superior. The present ferry bridge, illustrated in Fig. 1, consists of a truss span 394 ft. long carried on two towers at a height of 135 ft. above the water level, supporting a suspended ferry car, which moves across the canal. It is believed to be the only one of its kind in this country and is fully described by C. A. P. Turner, the designer, in *Transactions*, Am. Soc. C. E., Vol. 55, p. 322 *et seq.*

With the growth of the city and the increased traffic, particularly automobile traffic, the intermittent service of the ferry car has become irksome and unsatisfactory to the citizens residing south of the canal. This condition has led to efforts to secure the construction of some type of bridge which could give more continuous service, and has finally resulted in the provision of funds by a city bond issue supplemented by special assessments of properties on the Point.

The problems of navigation through the canal are unusual in that the approach to the canal is difficult and, in stormy weather, vessels must have free passage without any hindrance. During each open season of navigation, lasting about nine months each year, about 9,000 vessels pass through the canal, most of them large and heavily laden ore boats. The location is quite unprotected and subject to frequent heavy wind storms. The ferry bridge was devised as a solution to these problems and to overcome the strenuous objections of shipping interests, which had prevented the construction of any new bridge for the previous fifteen years.

A study of these conditions resulted in the conclusion that a vertical lift span offered the most feasible solution, partly because of the rapid operation possible and the small effect of wind loads on the operating machinery. Estimates indicated that this could be built for less cost than any other type of movable span suited to the conditions. Conferences with the Captains' and Pilots' Association of Duluth and with the Lake Carriers' Association resulted in a statement of conditions which they felt would meet the requirements of navigation and which could be provided in the design. After the passage of a Congressional act, approval was received from the War Department, the latter including a number of special provisions concerning operation. Final plans and specifications for the bridge have been prepared, and bids were received Oct. 20.

General Plan—The new structure will be at the same site as the present ferry bridge, and parts of the existing structure will be incorporated in the new construction. The bridge comprises a vertical lift span 395 ft. long with a roadway 24 ft. wide and two 5-ft. sidewalks. The roadway will contain two street-car tracks. Floor and sidewalks will be of special lightweight concrete averaging 105 lb. per cu.ft. in weight. The span will be suspended from two new towers constructed within the existing towers. The columns of the new towers are 27 ft. 6 in. centers transversely; the existing columns are battered and, at the ground, 47 ft. 6 in. apart. The existing overhead truss span will be retained, but

will be raised about 60 ft. above its present position and supported upon the new towers. The old towers will be built up to this new height, but will not support any dead load either of the lift span or of the overhead truss span. They will, however, be connected to the new towers so that the two will act together for wind and lateral stresses. The existing overhead truss will be retained in the structure to provide support for water pipes, gas pipes and other utilities. It is not otherwise essential to the new structure, but will retain the characteristic appearance which has come to be considered a landmark of Duluth. The new span will lift to a clear height of 135 ft. above high water, which is the present position of the existing overhead truss. There will be suitable concrete spans under the towers and approaches to street grades at each end of the structure.

The urgent necessity for certain and rapid operation under every condition resulted in a stipulation that the power for operating the bridge should be independent of the city supplies and not subject to interruption from accidents to supply lines or to the power plants. Operation will be from a storage battery located in a battery house adjacent to the south end of the bridge. This battery will consist of 153 cells of the chloride accumulator type with automatic control for charging. Under normal conditions the battery will be charged by a motor-generator set operating on alternating current from the power company's lines. A gas engine generating unit will also be provided in the battery house for use in the event of failure of the current from the power company.

The lift span will weigh 1,300 tons and the concrete counterweights the same. Balance chains will compensate for the weight of the suspending ropes. The span will lift 125 ft. to its clear height of 135 ft. in 60 seconds. The operating machinery is to be located on the span and will comprise spirally grooved operating drums engaging operating ropes which pass over deflector sheaves and up and down the towers at each corner of the span. The power will be supplied by two motors, each of 200 hp., arranged for series-parallel operation and acceleration by means of time-limit relays. Two reserve motors will be provided, all four being directly coupled to the machinery. Suitable switches for disconnecting either of the two motors in use and throwing in a spare motor are included in the plans. Power will be supplied from the storage battery to the motors by trolleys engaging on vertical trolley wires on the south tower. An auxiliary gasoline engine of about 240 hp. will be installed in the machinery house on the span to operate the span in emergency if all electric operation should fail.

There are electric roadway gates of railroad crossing type and traffic lights at each end of the bridge to direct and control highway traffic, and audible and visible vessel signals for responding to signals from the vessels. These are all controlled by the bridge operator on the span.

The new foundations will be supported upon piles,

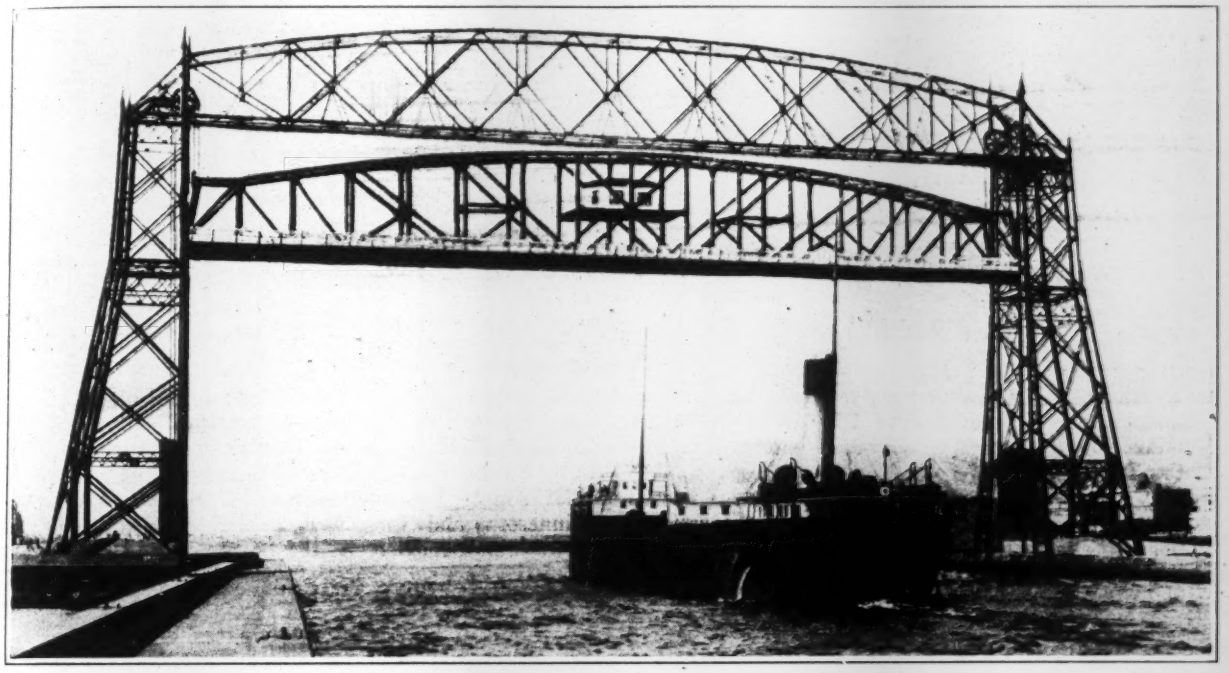


FIG. 2—OLD TOWERS AND SUPPORTING TRUSS WILL BE RETAINED, FERRY CAR WILL BE REPLACED BY LIFT SPAN
Truss will be raised and supported on new towers inside the present ones, which will be used as bracing against wind and lateral stresses.

DESIGN LOADS FOR DULUTH HARBOR LIFT BRIDGE

LIVE LOADS

Floor Systems:
Highway, two 15-ton trucks passing at 9-ft. centers; electric railway, two 40-ton cars on each of two tracks.

Trusses:
Train of two 40-ton cars per track followed or preceded or both by a highway load of 450 lb. per linear foot plus 21,000 lb. concentration per 9-ft. traffic lane.
On sidewalks, a uniform load in pounds per square foot equal to $(70 - 0.109\ L)$, where L is the loaded length in feet.

IMPACT

Floor System:
Highway and electric railway, 30 per cent. End floorbeams, hangers, and floorbeam end connections, 60 per cent.

Trusses:

$$I = \frac{6(L + 250)}{7(10L + 500)}$$

L = loaded length in feet.
I = impact in per cent of live load.
No impact for sidewalks.

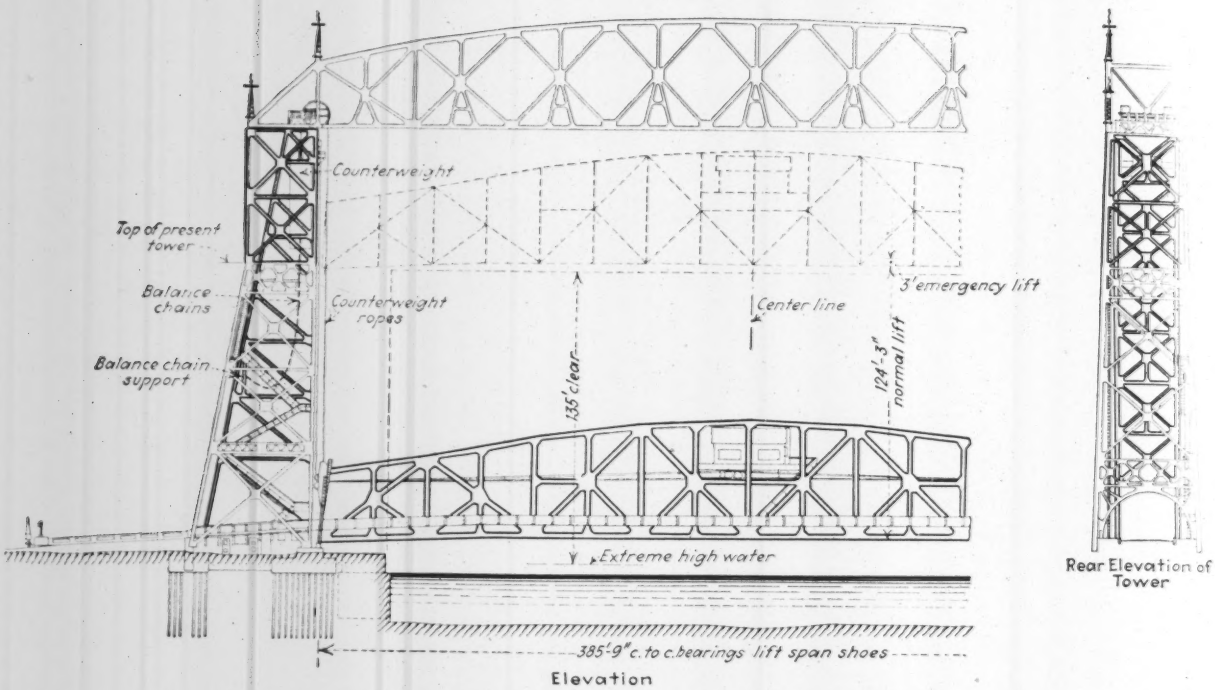


FIG. 3—PLAN SHOWING UTILIZATION OF NEW AND OLD MATERIAL
Heavy lines show new steel to be added to old structure.

as are the existing foundations, and will be built between the existing foundations. All construction operations which would interfere with navigation will be carried on during the season when navigation is suspended.

Construction—The erection program provides for the construction of the new substructure and the building thereon of the new towers complete. The existing overhead truss will be lifted to its new position by use of the main lifting sheaves on the new towers. After these sheaves are erected some of the permanent suspending ropes will be put in place and attached to cross-girders set underneath the existing truss span, which will be reinforced slightly by certain additional members for this raising. The counterweight frames will then be loaded by suitable amounts and the span lifted to its new position. Cantilever brackets on the outsides of the new tower columns which are to support the overhead truss will then be placed and the span rested upon them. The new sections of old towers will be built up to connections with the overhead trusses.

The permanent counterweights will be built upon temporary beams placed in the new towers and all of the suspending ropes connected. Silicon steel will be largely used in the lift span, which will be built adjacent to position on the canal walls and later rolled into place, or possibly floated from some other erection site. The operating ropes will then be connected to the towers and the span adjusted for operation.

The new structure was designed by Harrington, Howard & Ash, Kansas City, Mo. P. G. Phillips is commissioner of public works and John Wilson city engineer for the city of Duluth. The engineers as well as the city officials have had the assistance and counsel of an advisory board of engineers appointed by Mayor S. F. Snively, composed of engineers resident in Duluth. The function of this board is to aid the city council in its deliberations and to advise on general considerations and policies, services which are rendered as civic obligations. This advisory board is made up of O. H. Dickerson, principal assistant engineer, Duluth & Iron Range Railroad, chairman; E. H. Dresser, chief engineer, Duluth, Missabe & Northern Railway; S. H. Shepard, chief county highway engineer of St. Louis County, Minnesota, and John Wilson, city engineer. V. L. Fixen was a member of the board until his departure from the city.

Road Capacity Decreases as Auto Speed Increases

Abstract of address delivered by E. W. James, chief, division of design, U. S. Bureau of Public Roads, Oct. 16, before the Philadelphia Engineers Club

THE trend toward increasing automobile speed limits or removing them altogether for the purpose of moving more vehicles per hour over a given road and alleviating congestion will not accomplish its purpose, according to investigators. This fact has been confirmed by tests made by the Bureau of Public Roads. A maximum traffic lane capacity, computed on a mathematical basis by Dean A. N. Johnson, is to be obtained at a speed of 15 m.p.h. with vehicles operating under safe conditions. The State Highway Department of Pennsylvania gives 22 m.p.h. as the speed producing maximum road capacity at safe braking distance.

Tests by the Bureau of Public Roads were made in vicinity of Cleveland where a great variety of traffic is found. A test car carrying a spare-time recording apparatus was driven in the regular flow of traffic, retaining its relative position in the line. Thus if one car passed the test car, it was instructed to pass one car but it was not permitted to weave in and out to gain advantage of position to increase its speed. A careful traffic count was made and a recorder in the test car kept notes during the run.

The following figures are results obtained when congestion was just avoided:

In a two-lane road 3,000 vehicles per 24 hours moved at an average possible speed of 36 m.p.h., 4,000 vehicles per 24 hours at 34 m.p.h. and 7,250 vehicles per 24 hours at 25 m.p.h.

On a road unnecessarily wide for two lanes but not qualified for three lanes, 8,500 vehicles per 24 hours averaged 28 m.p.h. and 12,250 vehicles per 25 hours 24 m.p.h. Considered as a three-lane road, figures per lane in this test agree with the first test.

On a four-lane route, 12,000 vehicles per 24 hours averaged 29 m.p.h.; 11,000 vehicles per 24 hours, 28 m.p.h.; 29,000 vehicles, 24 m.p.h., and 32,000 vehicles, 23½ m.p.h.

On other routes, with more refined study, the results were: On a six-lane road, 1,300 vehicles per hour made a speed of 16 m.p.h. and 1,700 vehicles per hour a speed of 14 m.p.h.; on a four-lane road, 1,300 vehicles per hour made a speed of 16 m.p.h. and 1,500 vehicles per hour a speed of 9 m.p.h.

Results of these tests indicate that speeds greater than 20 to 25 miles are not necessary to relieve congestion. On the other hand, these studies will enable the engineer to base highway design on capacity or speed desired. It will be possible to design a road for a given speed—say 25 miles per hour. If the public wants more speed it must pay for more traffic lanes.

International Water Problems Under Investigation

Many questions arising from the use of water flowing between the United States and Canada are under investigation by the U. S. Department of the Interior, it is announced. Among these the Kootenai River in northern Idaho is the most important and presents what is termed "a little Mississippi River problem." The Kootenai is a typical mountain river above Bonners Ferry, Idaho, at which point it slows down and meanders through an alluvial valley about 3 miles wide between confining foothills, passing into Kootenai Lake across the border. Since the river bank is higher than the surrounding flats, the whole valley is flooded each spring when warm weather causes a heavy concentration of snow water. Considerable areas in the United States have been reclaimed for agriculture by diked drainage districts, which have been partly successful, although much pumping is required in high water and some crops have been lost through dike failures. A proposed power project at the outlet of the Canadian lake would, it was claimed, practically wipe out the farming interests.

The settlement of such cases is to be made through the International Joint Commission according to the 1909 treaty provisions. In order to provide base data for solving the Kootenai problem, the State Department has made an arrangement with the U. S. Geological Survey whereby a comprehensive investigation is under way. The work includes a large-scale topographic map and the construction of many steam-gaging stations on the river and its tributaries. Measurement of discharge is highly complex because of such factors as flood storage and the large indeterminate flow across the flats. Control stations are maintained on the upper river and slope cross-section stations through the part subject to backwater.

Investigations of border streams are also being conducted on the Milk and St. Mary's rivers in Montana, the Rousseau in Minnesota, the Skagit in Washington and on branches of the Columbia.

Engineering Problems of the Chicago Region

In the article "Engineering Problems of the Chicago Region and Their Solution" in the issue of Nov. 22, 1928, an illustration on p. 763 shows allocation of underground space for conduit. This illustration has three road sections, the upper showing, at the right, the gas main location. The lower two show the same main location, but it is marked "sewer" in each case. This was an error and the marking should have been "gas" in all three places.

Letters to the Editor

Concerning Shrinkage of Concrete

Sir—Replying to A. W. Knight's letter in the Nov. 23 issue, p. 781, criticising my article in the Oct. 4 issue, p. 507, I should like to call attention to several remarks made by Mr. Knight. In regard to Mr. Knight's criticism of the accuracy of the measurements, the writer calls attention to the fact that he employed the same methods of measurement used by Franklin R. McMillan in his studies of the "Shrinkage and Time Effects in Reinforced Concrete" (see "Studies in Engineering," No. 3, Bulletin of the University of Minnesota, March, 1915). To quote a portion of this: "Upon completing a set—that is, after reading in order once through all of the gage lines—the movable scale of the gage is shifted and a new set begun. The effect of this shift is to make entirely different numerical values in the readings on the standards as well as on the other gage lines of the set. But the difference between the reading on any particular gage line and the reading on the standard is unchanged by this shift, and these differences, worked out as the observations are recorded, furnish the means of averaging the successive sets. As an aid to free and rapid work on the part of the observer, this shift has proved most valuable, as it frees him from an otherwise inescapable memory and gives him the assurance of an absolutely reliable check on his observations."

It is the writer's belief that in casting the specimens and in taking the readings both as to method and frequency he followed accepted scientific practices. All readings were made with a Berry strain gage. For the mortar beams, readings were taken daily during the very first period of the test and then at intervals of three or four days. For the concrete beams, readings were taken daily during the first part of the test and then at intervals of about three days up to the period when the beams were covered with wet burlap, when daily readings were resumed. After this period readings were taken at two-day intervals. The readings of each concrete beam were averaged (there being two 8-in. spaces between the plugs). The averages of the averages (two sets) were taken to furnish the data necessary to plot the graphs in Fig. 3. Each point, therefore, represents the average of eight individual readings.

Mr. Knight states: "We particularly call attention to the fact that the tests actually showed less shrinkages in 1:1½:3 and 1:2:4 Celite concrete mixtures than for the corresponding plain concrete mixes. This fact is entirely lost sight of, however, in your sub-title which merely states: 'While Tests Show Concrete Is Less Affected.'" The writer's article states very specifically that "in the 1:1½:3 and the 1:2:4 beams the increase in shrinkage over the plain beams is not very great and occurs during the first five days. Beyond that period and up to the time the beams were covered with wet burlap there is a slight decrease in shrinkage." The writer did not write the sub-title nor did he see the proof of the article before its publication.

In reply to Mr. Knight's statement that no consideration was given to the question of improved workability which can be obtained with Celite concrete at a drier consistency than would be used for plain concrete, the writer wishes to state that Mr. Knight ignored one very important fact—namely, that unbiased comparisons must be made between specimens that are constituted the same. He forgets that in order to keep the water-cement ratio constant in both the plain concrete and in the Celite concrete, it was necessary to add an amount of water to the Celite specimen equal to

about 200 per cent of the weight of the Celite in order to offset the free water which is absorbed by the Celite. If no additional water is added to the mix when Celite is incorporated, then the effective water-cement ratio is not the same as the water-cement ratio of the plain mix. In all fairness to plain concrete, the water-cement ratio of the plain concrete should be made the same as the effective water-cement ratio of the Celite concrete (to which no additional water has been added). This could be accomplished by adding more cement, thus making the slump practically the same as the Celite mix, and insuring both increased workability and increased strength.

In conclusion the writer's interpretation of the test results is that if Celite is used in a 1:1½:3 or a 1:2:4 mix, there is no apparent danger so far as shrinkage is concerned. If you use Celite in the leaner 1:3:6 mix and add no water to offset the absorption by the Celite, the writer feels that the shrinkage factor is not a serious one in this mix. The fact to be stressed is that, in the writer's tests, the slump was kept constant in both the plain and Celite mixes. This was done in order to make a fair and unbiased comparison of the plain concrete with the Celite concrete.

A. S. LEVENS,
Department of Drawing and Descriptive Geometry,
University of Minnesota.

Minneapolis, Minn.,
Dec. 15, 1928.

Regional Engineering

Sir—Charles H. Diggs, director of our commission, asked me to review and comment on your article in *Engineering News-Record* of Oct. 4, p. 496, on "Regional Engineering." The article struck my attention as soon as my copy arrived. As I read and digested it, I underscored certain phases.

To begin with, let me highly commend your selection of the term "Regional Engineering." All technical men who have dealt with municipal problems to any degree have been forcefully impressed by the need of co-ordination and planning in the designing, financing and construction of those paramount requisites which are common to all municipalities. I have often felt the weakness of the term "city planning" or "regional planning"—it falls short of the problem and the exactness which must be recognized in the solution thereof. A more proper term would be "regional engineering and planning."

I want to cite for your attention the several paragraphs which I underscored because I felt they forcefully express the situation as it applies to all the major regional areas throughout the United States.

1. Almost over night regional engineering has become a country-wide necessity.
2. We see that the greatest obstacle is the lack of governmental machinery.
3. Rapidly growing cities are constantly throwing out suburban fringes, extending farther and farther from their centers.
4. There results a pressing need for revision and interconnection of the transport, water supply, sewerage, drainage and other utility facilities.
5. Water-supply and sewerage facilities are fundamental to modern civilized existence. They necessitate skillful planning to anticipate demands.
6. The engineering problems of a region are seriously complicated by political problems. A mere glance at the map of the metropolitan region will bring some of these political problems to mind.
7. Some troubles of boards and districts, etc.
8. At present too many city officials are unable to see beyond their boundaries and they must learn to appreciate the need for orderly development beyond the city confines before this new unit, the region, can be brought into existence successfully.
9. Official status is desirable in that it would provide finances for a continuing program.
10. Regional engineers are learning, as city engineers have already learned, that the public will take fright if too much is presented for immediate execution, but that without comprehensive, well-scheduled programs, looking years ahead, regional engineering cannot meet regional needs.
11. The whole subject is a challenge to the engineer.

The citation of these few paragraphs needs no further comment, because every man in municipal or regional planning and engineering fully appreciates the logic and philosophy contained. It seems to me that it is time to talk about and bring forth the practical application of regional planning, its problems, its procedure and requirements, in cold-blooded, practical engineering terms. When all is said and done, it all resolves itself to an engineering application plus a lot of super-co-ordination and team work.

WILLIAM J. FOX,
Chief Engineer,
Regional Planning Commission,
County of Los Angeles.

Los Angeles, Calif.,
Nov. 22, 1928.

* * * *

Sir—I have only just had an opportunity to look over the article in *Engineering News-Record* of Oct. 4 on Regional Engineering. The subject is important and the article is excellent. I hope that the discussion of the general topic will be continued in *Engineering News-Record*.

I am lecturing on the general subject of regional planning at Dartmouth College this week, and it has aroused fresh interest in my mind.

JOHN NOLEN,
City Planner.

Cambridge, Mass.,
Dec. 5, 1928.

Determining Moisture Content in Aggregates

Sir—The method outlined by Mr. Dunagan under the heading "New and Simple Method for Determining Moisture Content in Aggregates," in your issue of Nov. 15, 1928, may, unless great care is taken, lead to rather large errors. The true value of S_1, the weight of sample saturated and surface dry, for sand, is in practice very difficult to determine as close as ½ per cent by weight of the sample. This makes possible an error of 2 to 5 grams in the value of x. As the usual range of values of x is 15 to 40 grams, using a 500-gram sample, this is rather a large error. Variations in specific gravity may easily cause even larger errors. As these errors can be cumulative, it is quite possible to have an error of 10 grams in the value of x obtained.

A careful study some time ago of this and similar methods led us to the conclusion that so far as sand is concerned the most dependable method is to determine absorption and then to obtain total moisture at intervals by drying to constant weight. By using an iron pan of such size that the sample can be spread in a layer less than ¼ in. thick, this method is about as quick as any. An alcohol stove or "canned heat" makes a convenient source of heat if no other is available.

It should be observed that with materials of noticeable absorption the values of G_s will be considerably different from the apparent specific gravity. If we call the true value G, and the amount of absorbed water in S_1 be called a, then

$$G_s = \frac{S_1}{d_1}\ ;\ \text{but}\ G = \frac{S_1 - a}{d_1}$$

In the case of rather porous aggregates, such as sandstone, many limestones, Haydite or slag, the value of a may be from 3 to 6 per cent of the weight of the sample. No error has been made in using G_s to derive the equation for the value of x; but unless the distinction is clearly understood, values of G_s and G are likely to be used interchangeably and so lead to large errors.

The method suggested by Mr. Dunagan is much the simplest and fastest for determining the added absorption of porous coarse aggregates which are dry or contain less moisture than the total absorption, providing the material is reasonably uniform. However, the sample should be allowed to soak at least twenty minutes before reading the value of W_2.

We have been using this method with a slightly different equation which is a little easier to derive: If V is the volume of solids in sample S_2,

$$S_2 = W_2 + V + x$$

$$V = \frac{S_2 - x - a}{G}$$

substituting and solving, $x = S_2 - \dfrac{W_2 G - a}{G - 1}$

or using G_s, $x = S_2 - \dfrac{W_2 G_s}{G_s - 1}$

In using this method successfully its possible errors must be clearly understood and guarded against.

H. C. MCCALL,
Chief Engineer,
Concrete Engineering Service Company.

Cleveland, Ohio,
Dec. 7, 1928.

News of the Week

President Approves Bill Authorizing the Black Canyon Dam

A Sum of $165,000,000 Approved for a Dam and Power House and All-American Canal

By Paul Wooton
Washington Correspondent Engineering News-Record

THE PRESIDENT on Dec. 21 affixed his signature to the Boulder dam bill, which authorizes the expenditure of $165,000,000 for the construction of a high dam in the Colorado River at Black Canyon.

The act contains the principal features of the recommendations of the Bureau of Reclamation. The site is that which the bureau recommended. The capacity of the reservoir was fixed at that worked out by the engineers of the bureau. It also was their suggestion that the power revenues be applied on the capital expenditures by the government. The bill includes the All-American canal which is to be built and paid for under the provisions of the reclamation law.

The amendments to the bill are regarded as helpful. This applies particularly to the conditional contribution of $25,000,000 of federal funds for flood control, as does the arrangement for payment to Arizona and Nevada to take the place of taxes. The belief among Reclamation Bureau engineers still is that the cost can be held below the amount estimated by the Sibert board.

At least a year must pass before construction can be begun. It is believed that length of time will be required for ratification of the preliminary surveys and to handle the competitive bidding for the power. It is expected that $50,000 will be carried in the second deficiency bill to take care of preliminary studies and the preparation of plans which can go forward in the meantime.

Regardless of what may be done with the All-American canal as a whole, it is certain that the Imperial Valley interests will want the work pushed on that portion of the canal from the Colorado River to the international boundary, so as to lessen the expenditure necessary for silt removal and to avert the cost of maintaining a temporary dam in the canal. The studies of the canal could begin at once. The money expended could be reimbursed under the provision in the reclamation act.

The steps for carrying out the development have been outlined by the Bureau of Reclamation as follows:

1. Ratification of the compact.
2. Preparation of plans and estimates for the dam and power house.
3. Contracts for power revenues.
4. Building of the dam by the government and building of the power house by the government or private parties.
5. Building of the All-American canal from the headgate down to the international boundary.
6. Building the remainder of the canal if satisfactory agreement with Mexico cannot be secured, or if the irrigation interests that are to pay for this canal desire it to be constructed and enter into a satisfactory contract which will assure the payment of the costs.

Before the dam can be begun or contracts made for the power house the offers for power must be large enough to repay the money spent by the government, with 4 per cent interest, less the $25,000,000 flood-control item. If such contracts are secured, then the next step would be to provide for the construction of the dam, and this would probably be under a contract. If the Imperial and Coachella valleys are prepared to repay the entire cost of the All-American canal, contract for that canal also could be let.

Start Work on Biloxi Causeway

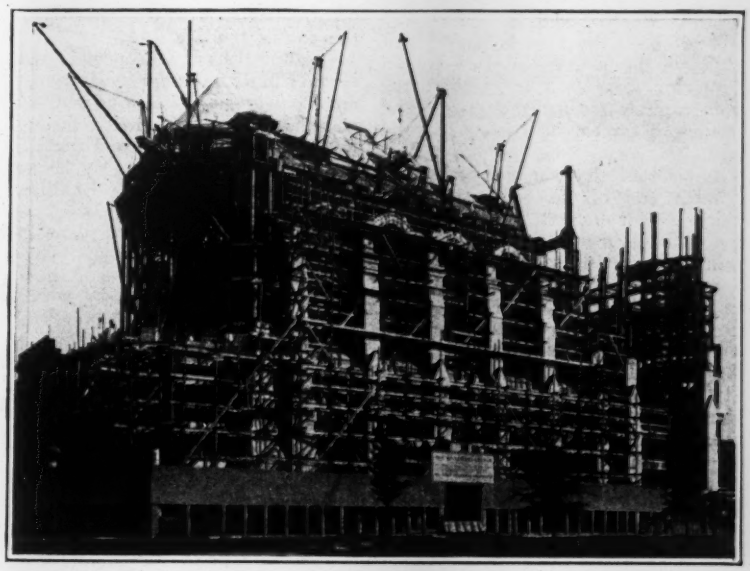
The first step in the construction of the Biloxi-Ocean Springs bridge in Mississippi has been taken with the establishment of a concrete-molding plant for the manufacture of piling for the structure, which will cost approximately $850,000. The work will be done by the Fuller Construction Company, Memphis, Tenn.

Burning Scaffolding Damages N. Y. Church Under Construction

Cause of Fire Undetermined—Extent of Damage Doubtful Pending Tests of Steel Frame

A DISASTROUS and spectacular fire at 7:30 p.m. on Dec. 22 swept through the wood scaffolding being used to erect the interior stonework and the ceiling of soundproof tile in the Riverside Church, New York City, and damaged the partly completed structure to an amount of several hundred thousand dollars. Although the major damage is believed to have been confined to the interior stone facing and that part of the cut stone decorative work that was in place, parts of the structural steel frame were exposed to the action of the flames and it is not possible until further investigation to determine whether or not these were damaged. The church, popularly known as the Rockefeller church, has been actively under construction during 1928 and was scheduled for completion in April, 1929. Its estimated cost was $4,000,000. The architects, Henry C. Pelton and Allen & Collens; the contractors, Marc Eidlitz & Son; the structural steel designers, Lange & Noska; the steel erectors, the Taylor-Fichter Steel Company, and engineers for the insurance underwriters are investigating.

To date they have been unable to fix



THE RIVERSIDE CHURCH THREE MONTHS BEFORE THE FIRE
The steel of the nineteen-story tower at the south end is just rising above the main part of the structure at the eighth floor. At the time of the fire the tower steel was erected about eight stories above this point, the exterior stonework of the apse and nave was in place and the tower had been inclosed up to the ninth floor. All the exterior scaffolding had been removed.

the probable cause of the fire. A report will be made as soon as possible on the condition of the structure and the extent of the damage.

The Riverside Church is unique in design. Its architecture upon completion will, in outward appearance, be that of the wall-bearing and buttressed Gothic churches of thirteenth-century France. Actually all of the stonework, both outside and inside, is carried on a structural steel frame. The structure, which is rectangular in plan, 100 ft. wide by 265 ft. long in a north-south direction, includes as its essential parts a semicircular apse on the north end, a nave 170 ft. long open from street level to its pointed arches of sound-deadening tile 110 ft. above and a nineteen-story tower 65x95 ft. on the south end, rising some 300 ft. above the street. A reinforced-concrete slab at the eighth floor level runs the entire length of the nave and apse, and it is below this that the ceiling arches are hung. A nave balcony undercuts the tower for about 45 ft., so that part of the tower above the eighth floor is carried on a heavy truss of 69-ft. span set between the eighth and tenth floors. This, together with its auxiliary framing and supporting columns, constitutes the heavy steel detail in the building. The structure inside and out is faced with limestone and granite.

At the time of the fire the stonework on the exterior of the nave and apse was completed and the stonework of the tower had been placed to only about the ninth floor. The heavy truss and steel framing were therefore exposed to action of the flames. The stonework of the interior of the nave and apse was practically complete and scaffolding was in place for placing the tile ceiling. The structural steel of the tower had been completed to about the sixteenth floor.

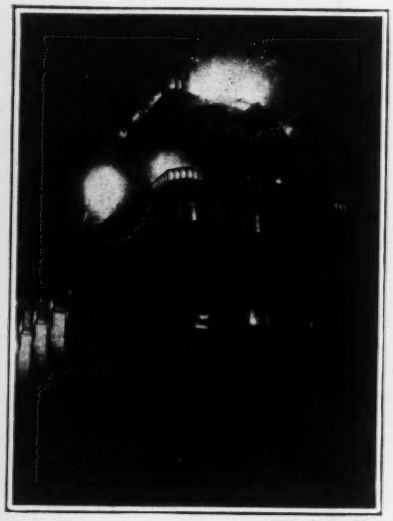
The major damage to the structure was confined to the area under the reinforced-concrete slab at the eighth floor and above the first balcony about 35 ft. above the nave floor. In this area the interior stonework is cracked, the column capitals are badly damaged and the window tracery is broken beyond repair.

It is believed that the fire started in the north end of the structure on a working platform about 55 ft. above the floor. This platform was of steel beams framing between the nave columns and was covered with planking. A wind from the northwest carried the flames from the north to the south end of the structure, where the partly inclosed tower acted as a flue which received its draft from the window openings.

The cause of the fire is yet undetermined. The contractor had taken what he believed to be all necessary precautions against fire. A timeclock system had been installed connected to the National District Telegraph Company's wires. Eight clock stations were placed in the building in various locations as high as the tenth floor in the tower. One watchman made the round of these clocks every two hours. It required about 1¼ hours to punch all of the eight clocks. Two standpipe lines had been carried up with the work; one of these was in the south end, the other in the north end of the structure. A total of 38 chemical fire extinguishers were placed in various parts of the building. Two small fires previously had caused the contractor to take special precautions against rubbish and trash accumulations. It is reported that there was a standing order to remove all rubbish every evening.

No salamanders had been used in the building, heat being supplied by piped steam from fuel oil boilers in the basement. No riveting had been done on the day of the fire.

Pending the official report all that can be said is that the fire evidently started on the working platform at the north end of the building, swept through all the scaffolding and burned itself out in the tower on the south. By taking this course it exposed the steel ceiling ribs of the nave and the steelwork of the tower above the eighth floor to unusually high temperatures. The condition of the steel is one of the major points under investigation.



Acme Photo

BLAZING TOWER OF THE RIVERSIDE CHURCH

The fire is supposed to have started at the opposite end and swept through the length of the structure. Note that flames are confined to the upper part of the building. At the top the flames are rising out of the flue-like tower. Note exposed steelwork at this level, where heavy truss and girder framing is located.

Open New Road Near Pittsburgh

A section of a new road along the cliff south of the Ohio River, paralleling Neville Island, was opened to traffic by Allegheny County, Dec. 15. The section completed has a length of 11,737 ft. with a reinforced-concrete pavement 18 ft. wide. This is a section of the Fleming Park road project which, when completed, will be an important link in Allegheny County's highway system. It will eliminate the necessity of using the Neville Island road with its seven railroad grade crossings.

Part of Holland Tunnel Approach Highway Opened

Two sections of the new approach highway to the Holland Tunnel in New Jersey were opened to traffic Dec. 16. These are a portion of the elevated viaduct through Newark and the covered-cut section through Jersey City. The completed project, which was described in *Engineering News-Record* Jan. 5, 1928, p. 4, will carry through traffic from the Holland Tunnel from Jersey City to Elizabeth, N. J., a distance of approximately 13 miles, about 7 miles of which will have no grade crossings with other highways.

Dallas Pipe Contract Sustained

An injunction to restrain the city of Dallas, Tex., from executing a $1,264,000 contract with the U. S. Cast Iron Pipe & Foundry Company for a water-distribution system has been denied by Judge Claude McCallum of the U. S. District Court. The suit was brought by L. J. Haralson, a citizen of the city. The proposed contract was attacked on three main grounds: alleged impropriety in the advertising for bids; the inclusion of chemical analysis requirements which it is claimed illegally stifled competition, and supposed irregularities in the form in which the bid of the company was submitted. The judge upheld the defendant on all three points.

New York City Declines Offers to Develop Long Island Wells

Proposals submitted by the Titus Water Engineering Corporation to the Board of Estimate and Apportionment of New York City in which it was offered to develop a supplementary water supply for New York City from wells to be drilled on Long Island have been ordered filed by the board. This action in effect takes the proposal from the calendar. Details of the offers will be found in *Engineering News-Record*, Oct. 21, 1926, p. 680, and Dec. 9, 1926, p. 972. A report to the Board of Estimate by the Board of Water Supply advised that a supplementary system should be provided, but under competitive bidding and not by acceptance of one of the several offers to the board.

Richmond - San Rafael Toll Bridge Hearing Scheduled

The U. S. War Department will hold a hearing in San Francisco Jan. 3 to consider the application of O. H. Klatt, president of the American Toll Bridge Company, for permission to erect a bridge across San Pablo Strait, between the northern part of San Francisco and San Pablo bay. This is generally known as the Richmond-San Rafael bridge. It is stated that construction work will begin as soon as a permit has been granted by the War Department. Charles Derleth, Jr., is consulting engineer on this structure.

Wanaque Aqueduct Contract Let to T. A. Gillespie Company

Eleven bids, from nine bidders, for the Wanaque aqueduct were received by the North Jersey District Water Supply Commission on Dec. 20. The contract was awarded the same day for $5,127,628 to the lowest bidder, the T. A. Gillespie Company, Inc., New York City. This was for 74-in. lock-bar steel pipe, to be fabricated by the East Jersey Pipe Company at Leetsdale, Pa. There will be about 161,000 ft. of this pipe, including twin conduits at the upper end. The contract includes various accessories.

Bids were invited on seven different classes of steel pipe, the variations centering in the type of joints used. The size base was 74 in., with differentials up to 78 in. for different types of riveting. (See *Engineering News-Record*, Dec. 13, 1928, p. 889, for abstract of specifications, and the Business News Section of this issue for grand totals of bids and for unit prices of the two lowest and of the highest bids.) There were no bids on hammer-welded or on button-head riveted pipe. Three bidders tendered on lock-bar pipe, one on 74-in. countersunk-riveted pipe in 30-ft. courses and one on the same kind of joints in 7½-ft. courses. There were six bids on 76-in. countersunk-riveted pipe in 7½-ft. courses, but with countersinking for part of the joints only. One bidder tendered on lock-bar and on the two classes of countersunk pipe just mentioned. The next to the lowest bid was $5,760,255 for 74-in. countersunk-riveted pipe, in 30-ft. lengths, from Clifford F. McAvoy, Newark, N. J., the pipe to be supplied by the New York Shipbuilding Company, Camden, N. J. The fourth, sixth, seventh, ninth, tenth and eleventh bids were for 76-in. countersunk-riveted pipe in 7½-ft. courses, the highest of these being $7,718,406, from Joseph Sigretto & Sons, New York City, the pipe to be supplied by the American Locomotive Works.

Arthur H. Pratt is chief engineer and Morris Sherrerd is consulting engineer to the North Jersey District Water Supply Commission. A few months ago the engineering work of the aqueduct was put in charge of Fuller & McClintock, New York City, who made some changes in the plans and specifications previously drawn.

New Maryland Road Head Dies

News of the death on Dec. 19 of Oscar F. Lackey, newly appointed head of the Maryland State Road Commission, was received soon after the closing of our news pages for Dec. 20, in which appears the notice of Mr. Lackey's appointment. As noted in last week's issue, Mr. Lackey had been engaged in municipal engineering in Cuba for five years, had been president of the Baltimore Harbor Board from 1906 to 1915 and in 1918 became supervising engineer in connection with the construction of port terminals in Boston, Philadelphia, Brooklyn, Norfolk, Charleston and New Orleans. In 1921 he returned to Cuba to design a large sugar terminal, and in 1922 became vice-president and general manager of the Colorado Springs Light, Heat & Power Company. Later he returned to the Baltimore Municipal Department of Transportation, leaving this in 1927 to take up consulting work. His appointment as head of the State Road Commission was to have taken effect in the near future.

Charles A. Morse Retires From Rock Island Lines

Charles A. Morse, chief engineer of the Rock Island Lines since 1913, will retire from service on Dec. 31, having reached the age of 70. Mr. Morse was born at Bangor, Me., on Jan. 1, 1859, and was graduated at the University of Maine in 1879. His first railroad experience was as instrumentman on the Chicago, Burlington & Quincy Railroad in 1880; he was a division engineer on the Mexican Central Railway from 1881 to 1884, when he returned to the Chicago, Burlington & Quincy as division engineer. In 1886 he went to the Atchison, Topeka & Santa Fe Railway as division engineer and was advanced successively to assistant to chief engineer, in 1901; principal assistant engineer, 1902; acting chief engineer, 1903; assistant chief engineer, 1904; chief engineer, 1906, and chief engineer of the entire Atchison, Topeka & Santa Fe Railway system in 1909. Then in 1913 he went to the Rock Island Lines as chief engineer, which position he has held until his retirement. During the war he was assistant director of engineering and maintenance for the U. S. Railroad Administration and a member of the board of review of the construction department, U. S. Army.

Mr. Morse is a member of the American Society of Civil Engineers, past-president of the American Railway Engineering Association and past-president of the Western Society of Engineers.

Hetch Hetchy 16-Mile Tunnel Holed Through

The last rock barrier in the 16-mile Foothill tunnel of San Francisco's Hetch Hetchy water project has been holed through, and lining work is being rapidly pushed. The final section was 4 miles in length, and the two headings met with an error of less than 1 in. Considerable difficulty was encountered from intercepting water under pressures from 350 to 400 lb. per sq.in. This leakage was overcome by means of circumferential grout holes. The Foothill tunnel extends from Moccasin Creek power house to Oakdale portal, a total length of 15.85 miles. It is built to carry 470,000,000 gal. of water per day. Work was started in March, 1926, from two portals, two shafts and two adits. Contractors on the work were A. Guthrie & Company and Connolly & DeLuca.

Extra Meeting to Be Held By N.E.W.W.A. in Hartford

Announcement was made at the luncheon meeting of the New England Water Works Association in Boston Dec. 11 that the executive committee had decided to hold an extra meeting next April, probably at Hartford, Conn. The practice in years past has been to confine the meetings of the association to luncheon meetings monthly from November to March, a June outing of a single day, and the annual convention in September.

The report of the committee on cross-connections was extensively discussed. It included a new resolution which was ordered sent to letter ballot after unsuccessful attempts for its amendment were made, as was stated in last week's issue. A paper on reforestation carried out by the Water Board of Winchester, Mass., was read by Charles E. Kendall, a member of the board. It dealt chiefly with the theory that the yield from water-collecting areas is heavier when they are covered with evergreens than with hardwood and advocated the displacement of hardwoods, when existing, by evergreens.

Competitive Franchise Granted Gas Company in Missouri

Competition in furnishing natural gas to Kansas City, Mo., is provided by the recent approval of the application of the Industrial Gas Company of Missouri for permission to supply natural gas to industrial consumers in competition with the Kansas City Gas Company. The latter has hitherto held a monopoly of the gas business in that city. The application was fought by the Kansas City Gas Company on the ground that it was entitled to protection as a regulated monopoly. The Missouri Public Service Commission, in overruling this motion, stated:

> It may be said that the prevailing policy in state regulation of public utilities is to favor regulated monopolies rather than to encourage competition, but this is by no means an absolute and unvarying rule. In its application it is designed to protect and promote the best interests of the public, and when it fails to do this there is no reason why this policy should be followed.

Salt River Project Payment Made on Date Due

Payment of $609,553.67 to the U. S. Bureau of Reclamation by the Salt River Valley Water Users' Association has unusual significance, in that this is the first annual payment of the project which has been made when due. This sum, together with two previous payments made in July and October, brings the total of payments this year to very nearly $1,759,000. The Salt River Valley Water Users' Association originally owed the government $10,166,000 and has to date repaid more than half. The reduction in this debt during the current year has amounted to about 30 per cent.

Short Sanitation School to Be Held in Texas

The Texas Section, Southwest Waterworks Association, in co-operation with the Agricultural and Mechanical College of Texas, the State Department of Health, and the City of Bryan, will hold a short school on sewage and waterworks practice Jan. 14-25, 1929, at Bryan, Tex., and at the Texas Agricultural and Mechanical College. Arrangements are in charge of Prof. E. W. Steel, College Station, Tex., and V. M. Ehlers, secretary, Texas Section, Southwest Waterworks Association, Austin, Texas.

Bill to Register Engineers Before Next California Legislature

The California Engineers' Registration Association, organized to secure the passage of a bill by the California legislature requiring the registration of engineers, on Nov. 15 had a total membership of 640 and its committees had completed the drafting in tentative form of a proposed registration law. This draft is to be circulated among engineers to secure comment and criticism that might lead to its improvement before drawing up the bill in the final form that will be submitted to the 1929 legislature. Donald M. Baker is president of the association and Pecos H. Calahan, 366 West Elk St., Glendale, Calif., is secretary-treasurer.

Engineers' licensing or registration laws have several times been proposed to previous California legislatures, but each time the measure has failed to become a law. In its tentative form the new bill is entitled "An act regulating the practice of professional engineering; providing for the creation and establishment of a state board of registration for professional engineers; granting certain powers to and prescribing the duties of said board; providing for the examination and registration of professional engineers and providing penalties for the violation of this act."

"Professional engineer" is defined to include all subdivisions of chemical, civil, electrical, mechanical and mining engineering and the bill prohibits professional work in any of these branches without registration. The examining board is to have five members, appointed by the Governor, the term of office to be four years and the compensation to be not more than $25 per day plus expenses. The board would have a secretary with a salary not to exceed $3,600 per annum.

Some of the other provisions of the bill are as follows: To be eligible for registration an applicant must be at least 25 years old, of good character, and must have either (1) six years of practice in responsible charge of engineering work or (2) a diploma from an engineering school of recognized standing plus two years practice in "responsible charge."

Engineers from other states would be allowed to practice within California without registration provided their professional work in California was not to extend beyond 30 days and provided the state whence they come has registration requirements not lower than those of the California act.

WASHINGTON NOTES

By Paul Wooton
Washington Correspondent

Survey Funds Limited—Power Projects Await Approval—New Orleans Bridge Still Opposed

THE Interior Department appropriation bill passed the Senate on Dec. 20 with the addition of a few minor amendments. Nothing is foreseen to prevent the final acceptance of the bill in essentially its present form. Provisions for bureaus engaged in engineering activities were as follows: Geological Survey, $2,085,800; total from reclamation fund, $8,760,000, and numerous items under the Indian Service and National Park Service.

Of the Geological Survey appropriation, the sum of $635,000 was allotted to topographic surveys, to which the sum of $45,000 was added by the Senate for a survey of the proposed Shenandoah National Park in Virginia. The increase over the current appropriation of $505,000 is understood to cover work on the public domain. Whatever might have been used in extending general activities is swallowed up by the Welch act salary increases which became effective last July. Thus, it is pointed out, the Temple act, which was designed to complete rapidly the topographic map of the country and which would now be furnishing $2,000,000 per year, is as yet interpreted to mean dollar-for-dollar co-operation with the states, and that on a limited scale.

The main item for stream-gaging and water-supply investigations was set at $275,000, of which $50,000 is to be used for base stations at Lees Ferry, Ariz., and other points on the Colorado River. Of the total, $150,000 must be used in dollar-for-dollar co-operation with states. Only $75,000 remains free for non-co-operative work. The increase in the total of $28,000 over the last appropriation is wiped out by the Welch act, leaving the status of the water resources branch unchanged.

River and Harbor Work

Disagreement with the President's recommendation that river and harbor authorizations be suspended until the country can see its way out of the expense of flood control and the appropriations for the $243,000,000 worth of river and harbor projects which already have been authorized is being voiced by many members of Congress both inside and outside of the legislative chambers. The principal argument advanced against the President's recommendation is that authorizations for river and harbor work should proceed regularly. To allow long intervals between bills, it is argued, makes for confusion and waste, such as resulted from the suspension of the regular public buildings bills.

Hydraulic Laboratory

Efforts by fellow legislators and by prominent engineers to arouse the interest of Chairman Dempsey, of the committee on rivers and harbors, in the hydraulic laboratory bill before his committee thus far have been unsuccessful. The bill passed the Senate at the last session. Shortly thereafter hydraulic engineers from various parts of the country appeared before the committee. In a formal communication just sent Mr. Dempsey the American Engineering Council points out that the authority granted the Corps of Engineers to establish such a laboratory "does not satisfy the need for a national hydraulic research laboratory under the Bureau of Standards," where staff men trained in the various sciences are available to work on the hydraulic problems of the Geological Survey, Federal Power Commission, Reclamation Bureau and other agencies, as well as on those of private interests willing to pay for the service.

Railroad Consolidation

As Congress has made little progress since 1925 in providing such additional legislation as would facilitate the task of consolidating the railroads, the Interstate Commerce Commission evidently has decided to do the best it can under existing law and is proceeding actively with its plans to that end. The commission has enough authority to deal with the situation and the commission as now constituted seems willing to undertake the task. Relatively unimportant additional action by Congress would make the job an easier one. It now is clear, however, that no railroad legislation may be expected at this session.

Power Applications

The Inland Power & Light Company, of Portland, Ore., has applied to the Federal Power Commission for a preliminary permit covering a 233,000-hp. project on Lewis River near Vancouver, Wash. It is proposed to develop the power resources of the stream progressively. At the Ariel site, 17 miles above the confluence of the Lewis and Columbia rivers, it is proposed to construct a dam 200 ft. high. At a point 32 miles from the mouth of the Lewis River it is planned to erect a dam 230 ft. high. Thirteen miles farther up the river, at the Swift site, another 200-ft. dam is projected, along with a 5-mile tunnel. At the Muddy Creek site, 12 miles above the Swift site, it is proposed to erect a 150-ft. dam and to construct a 3-mile tunnel. The applicant is closely associated with the companies serving the Portland area and with the Washington Irrigation & Development Company, which holds a license for the development of the large project at

Priest Rapids. Under the terms of that license work must begin not later than March 1.

The Gasconada River Power Company, of Kansas City, has applied for a preliminary permit covering a project on the Gasconada River near Rolla, Mo. It is proposed to construct a dam which will furnish a head of 90 ft. and create a reservoir of 400,000 acre-ft. capacity. Some 6,000 hp. of primary power will be available, it is estimated. The applicant plans to develop this site in connection with a project on the lower part of the Gasconada River covered by a preliminary permit issued the company Aug. 21 of this year.

The Mountain States Power Company, of Albany, Ore., has applied for a license covering a transmission line 66 miles long to connect Lovell and Worland, in Wyoming.

John A. Shafer, of Indianapolis, has applied for a preliminary permit covering a project on Rockcastle River in Pulaski County, Kentucky. He proposes to construct a dam 250 ft. high which will create a reservoir having 40 square miles of area. It is planned to install 36,000 kw. This application conflicts with one previously submitted by L. E. Bryant.

Frederick C. Rockwell, of Carmel, Calif., has applied to the Federal Power Commission for a preliminary permit covering a project on the North Fork of Eel River in Trinity County, Calif. He proposes to construct a dam 300 ft. high and 665 ft. long, creating a reservoir with a capacity of 137,000 acre-ft. Primary power to the extent of 16,000 hp. will be made available, the applicant estimates.

The Fargo Engineering Company, of Jackson, Mich., has applied for a preliminary permit covering a 2,000-hp. project on Kalamazoo River in Allegan County, Michigan. A previous application by this company covered the entire head available between the dam side and the city of Allegan. This was rejected in favor of the municipal project which utilizes half of the available head. The present application covers the remaining power resources in the stream.

Opposition to New Orleans Bridge

Strong disinclination to grant a permit allowing the construction of a bridge over the Mississippi within the harbor limits of New Orleans continues to be evident at the Corps of Engineers, despite the large amount of additional data which have been laid before them. There are unofficial suggestions that the connection should be made by the means of a tunnel or that the bridge be located above the city. General Jadwin's stand against bridges across the major navigation channels of the country has been firmly taken, but in the event of an exception at New Orleans, where there is ample room for the harbor to expand downstream and through the industrial canal into Lake Pontchartrain, it is believed certain that he will insist on a clearance of more than 135 ft.

Engineering Societies

CALENDAR

Annual Meetings

AMERICAN ROAD BUILDERS' ASSOCIATION, Washington, D. C.; annual convention, Cleveland, Ohio, Jan. 14-18.

AMERICAN SOCIETY OF CIVIL ENGINEERS, New York, N. Y.; annual meeting, New York, N. Y., Jan. 16-18.

AMERICAN CONCRETE INSTITUTE, Detroit, Mich.; annual convention, Detroit, Mich., Feb. 12-14.

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THE CORNELL SOCIETY OF ENGINEERS will hold its annual banquet in New York City, Jan. 18. Edward C. M. Stahl, Brooklyn Edison Company, Brooklyn, N. Y., is secretary.

THE ALBANY, N. Y., SOCIETY OF ENGINEERS held its annual meeting Dec. 18. The following officers were elected for 1929: President, James E. Hewes; vice-presidents, Albert C. Richards, William R. Davis and Grandison G. Underhill; secretary-treasurer, John W. Henry.

THE LOUISIANA ENGINEERING SOCIETY at a recent meeting elected F. H. Fox, of Tulane University, as president. Other officers are: Vice-president, J. M. Todd; secretary, Frank Muth.

THE NEW JERSEY SOCIETY OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS has accepted the resignation of Edward H. Rockwell as president. Mr. Rockwell, until recently, was dean of the Engineering College of Rutgers University, but has now accepted a similar position at Lafayette College, which will prevent him from continuing his active interest in the society. Howard B. Keasby, first vice-president, has assumed the position of president.

THE CLEVELAND ENGINEERING SOCIETY is presenting a night course in cement and concrete which is open to any one interested. Lectures and laboratory sessions are held on Wednesday evening. The total enrollment in the course is now 133.

Personal Notes

PHILIP DONNELL, for the past five years head of the engineering department of the University of Arizona, is now dean of engineering at Oklahoma Agricultural and Mechanical College.

WILLIAM GEORGE MURRIN, member of the Engineering Institute of Canada, will become president of the British Columbia Electric Railway Company, Ltd., on Jan. 1.

GEORGE W. ABBOTT, formerly manager of the Railway Engineering & Construction Company, Boston, Mass., and A. J. CONNOLLY, formerly with the Union Freight Railroad, have formed the Abbott-Connolly Construction Company, with offices in Boston. The new firm will offer the same service formerly rendered by the Railway Engineering & Construction Company, whose business has been discontinued due to the recent death of J. E. Fitz Gerald, president.

THOMAS G. MCCRORY, of Seattle, Wash., district engineer for the Washington State Highway Department, has been appointed chief assistant highway engineer. Mr. McCrory succeeds Oscar A. Piper, who recently resigned to become first assistant in the office of W. D. Barkhuff, city engineer of Seattle.

EDWIN H. ROGERS, for the past five years chief engineer of the Metropolitan Planning Division, Boston, Mass., is now director of park engineering for the Metropolitan District Commission, succeeding the late John R. Rablin. Mr. Rogers was formerly city engineer of Newton, Mass., holding that post for fifteen years.

FLOYD SHOWALTER announces the formation of Showalter Associates, Inc., airport planners, architects and engineers, with offices in Detroit, Mich.

Obituary

RICHARD AUGUSTUS HALE, water-power engineer, died in Lawrence, Mass., Dec. 17. He was a graduate of the Massachusetts of Technology, class of 1877. After four years of work on waterwheel tests and hydraulics for the Essex Water Power Company, of Lawrence, Mr. Hale returned to M.I.T. for three years of teaching. In 1877 he was once more employed by the Essex Water Power Company as an assistant engineer, remaining with this company for the remainder of his career. He recently succeeded the late H. F. Mills as chief engineer. Mr. Hale was a member of the American Society of Civil Engineers, the American Water Works Association and the New England Water Works Association.

FREDERICK LINCOLN STEVENS, well-known construction engineer, died in Seattle, Wash., Dec. 8. Mr. Stevens was born in Groton, Mass., on April 19, 1865. He went to Seattle with his family in 1906. He was connected with H. C. Henry in the capacity of Western superintendent during the construction of the Chicago, Milwaukee & St. Paul Railway. Since that time he had been superintendent for the Henry & McFee Contracting Company. During the construction of the large piers at Bremerton Navy Yard he was superintendent of the casting yard. For many years he had been considered an authority on construction costs and methods.

JESSE W. FOX, 76, died Dec. 12 at his home in Salt Lake City, Utah. Mr. Fox studied engineering at the old Deseret University and later took an active part in building what is now part of the Oregon Short Line Railroad, the Salt Lake City Canal, and the South Jordan and Utah canals. He had also held the positions of city surveyor and county surveyor.

Construction Equipment and Materials

New York City Builders Prepare Standard Specifications

Standard specifications for the general construction trades in the building industry have been completed by the New York Building Congress through its committee on standards and will soon be available for distribution to architects, builders and other interested persons. The work of preparing the specifications, which has occupied several years, was shared in by subcommittees representing architects, contractors, subcontractors, manufacturers and labor. The completed specifications are divided into two parts, A and B. Part B establishes standards for all materials and workmanship which could enter into the work of any trade division and any type of building. Part A is a specification written by each architect for each job, with references by numbers to the paragraphs or clauses in Part B which define the quality of materials and workmanship. The final form of the specifications as issued is the work of H. R. Dowswell, of the office of Shreve & Lamb, architects, who was selected to edit the specifications. A working test was given by applying the standards to the bidding on a large building in one of the Southern states. After the reception of bids for this structure letters were written to all of the general contractors from whom bids had been received, explaining that the specifications were based on the New York Building Congress standards and asking for comment. It is stated that the results obtained were very satisfactory.

Although the work is not complete, all of the general construction trade divisions have been approved and are ready for printing, and specifications will be ready about Feb. 15, 1929, in 38 classifications, with more to follow. They will be distributed by the New York Building Congress through its office at 101 Park Ave., New York City.

Carey Order Reversed by Court

A decision of the U. S. Circuit Court of Appeals has reversed an order of the Federal Trade Commission directed against the Philip Carey Manufacturing Company and the Philip Carey Company, in which these two companies were directed to refrain from certain practices which the commission found were in violation of the Federal Trade Commission act of September, 1914, as constituting unfair competition. More specifically, the order of the Federal Trade Commission directed the companies to desist from: (1) Employing or using any system of espionage whereby officers, agents and employees obtain or seek to obtain information as to facilities, capacities, operations or customers of any competitor; (2) circulating, representing or publishing among prospective purchasers of pre-formed bituminous expansion joint any false or misleading statement concerning the ability of any competitor to fill orders or make deliveries; (3) circulating or publishing among prospective purchasers of pre-formed bituminous expansion joint any false or misleading statement concerning the acceptableness or adaptability for the use intended of the product of any competitor; and (4) circulating or publishing among prospective purchasers of pre-formed bituminous expansion joint any false or misleading statement concerning the financial standing, business or business methods of any competitor.

The court, in considering the orders of the commission, held that the practices from which the two companies were ordered to desist did not amount to unfair competition and that the evidence did not sustain the findings of the commission.

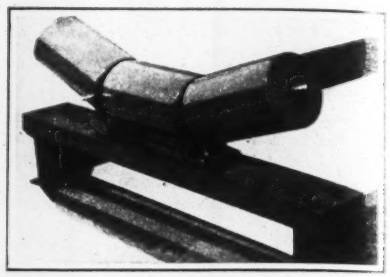
Tractor Builders Acquire Road Machinery Company

Acquisition of the business and facilities of the Russell Grader Manufacturing Company, Minneapolis, Minn., by the Caterpillar Tractor Company, San Leandro, Calif., has been announced by the latter firm. The Russell line of roadbuilding machines will henceforth be manufactured by the road machinery division of the Caterpillar Tractor Company at the plant formerly occupied by the Russell company at Minneapolis. Sales will be handled by the regular Caterpillar dealer organization.

New Developments

Ball-Bearing Idlers Carry Large Lubricant Reserve

Many features of design unite to give long life and efficiency in operation to a new model of belt conveyor idler produced by the Chicago Automatic Conveyor Company, Cicero, Ill. These idler pulleys are mounted on a unit support in order to keep them in perfect alignment. The mounting also serves as a grease reservoir with an unusually large capacity which makes it possible to run from three to six months without attention. The bearings are protected from dust and grit by a labyrinth grease seal, which also prevents the grease from being thrown on the carrier belt. Lubrication, when necessary, is made easy by Alemite



fittings or other types of high-pressure fittings.

In order to eliminate the necessity for adjustment, ball bearings are used instead of roller bearings. The pulleys are spaced ½ in. apart to avoid creasing the belt, and are made of heavy steel tubing with electrically welded ends flush with the base of the pulley, eliminating dust pockets.

Portable Pump Unit Driven by Outboard Motor

Powered by a light-weight gasoline engine which has already been in use a number of years as an outboard motor for boats, a new portable pump unit is now being produced by the Johnson Motor Company, Waukegan, Ill., which has a rated capacity of 195 g.p.m. with a head of 8 ft., or 175 g.p.m. under a 14-ft. head. The unit consists of a power head connected to an impeller by a shaft inside of a hollow casing. The impeller is at the bottom of the shaft, so that priming is never necessary. A

strainer is provided to prevent clogging. Three different shaft lengths may be obtained: 8, 11 and 14 ft. The weights of these three outfits are 85, 92 and 99

lb. respectively. The motor itself weighs 24½ lb. An automatic shutoff protects the pump from any possibility of burning out when left unattended. In operation, a key is used to start the motor. This breaks a short circuit with the primary of the magneto and permits the motor to operate. As the water passes up the casing it deflects the diaphragm and compresses a rustless spring, releasing the key but permitting the motor to continue in operation. When there is no more water to be pumped, the pressure against the diaphragm is relieved, allowing the spring to expand and short circuit the magneto, thus stopping the motor.

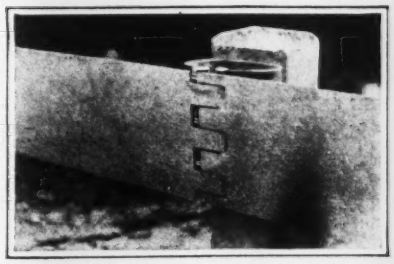
The motor is a three-port, two-cycle gasoline engine developing 2 hp. at 2,100 r.p.m. The two opposing cylinders fire simultaneously, thus reducing vibration. Cylinders have a bore of 2 in. and a stroke of 1½ in. Cooling is by a pressure-vacuum system, water being forced by the impeller through a 100-mesh carburetor screen and up a spiral seamless copper tube to the motor. It is pulled down and discharged by a 12-lb. suction created by the impeller. No greasing or special lubrication is required, as the motor is oiled by means of the gasoline mixture. Graphite bronze bearings are used in the drive shaft, lubricated by the drip from the motor.

Highway Guard Rail Designed to Minimize Impact Damage

Safety to vehicle and occupants and low cost of repair and maintenance are the two features controlling the design of a new type of guard rail now being introduced under the name of "Resiliflex." It is manufactured by the National Traffic Guard Company, Atlanta, Ga., and has already been installed along a number of miles of highway in the Southeast. In developing this rail it has been recognized that the primary purpose of a guard rail is to keep vehicles from leaving the roadway and, at the same time, to reduce as much as possible the damaging effect due to contact.

The Resiliflex rail consists of a steel plate 12 in. wide with connections so arranged that an absolutely smooth surface is presented to the highway, the rail itself being offset 5 in. from the line of supporting posts. It is installed at such a height that the only parts of the car which can come in contact with it are the bumper, wheels and hubs—parts which are best equipped to withstand shock. Attachment to the post is made through a spring hanger which gives the required offset and which permits the rail to yield under shock. It is claimed that it is practically impossible for an automobile to strike or damage a supporting post in the usual type of collision.

The rail is constructed of galvanized steel, and it is recommended that visibility be increased by the application of white paint. The smooth joint deflects a vehicle from one length of the rail to the next with no possibility of catching, and the rocker-shaped base



of the spring, which is fastened by a single heavy bolt to the post, permits the shock of the blow to be taken up by several springs instead of merely one. Fastening of the plate to the spring is accomplished by means of a single bolt at each end, which drops through openings in the ends of the plate in the same manner as the conventional door hinge.

New Publications

Rock Crushing—Traylor Engineering & Manufacturing Company, Allentown, Pa., describes in detail the construction and design of its bulldog jaw crusher in a 25-p. bulletin, No. 2099. A number of crushing plant layouts are given, also tables and charts for use in selecting proper sizes for definite services.

Cement—Lehigh Portland Cement Company, Allentown, Pa., in a recent bulletin gives a full account of a road-paving job using high-early-strength concrete. Full details are given regarding the design of the mix used and the compressive strengths attained.

Cast-Iron Pipe—Herbert Kennedy Company, Inc., New York, N. Y., has issued a 48-p. catalog of the cast-iron pipe and accessories produced by the Pont-a-Mousson cast-iron pipe foundries at Nancy, France, for which the Kennedy company is general agent in the United States. This pipe is produced to meet recognized standard specifications—namely, American Water Works Association, American Gas Association, British standard specifications and those of the city of Paris. All these are reviewed in the new catalog, as well as the "Class 150" cast-iron pipe now produced for the American market, which is guaranteed for a working pressure of 150 lb. per sq.in.

Lumber—National Lumber Manufacturers' Association, Washington, D. C., has issued a directory and production register. One section gives a list, by states, of subscribers of the association, their products and facilities. The second part of the book gives the same information rearranged and classified by products.

Centrifugal Pumps — Barrett, Haentjens & Company, Hazleton, Pa., has issued Bulletin 850, describing a method used to make suction lift centrifugal pumps automatic. The aim of the company has been to issue a publication which is technically correct and at the same time one that can be understood by the average mechanic or electrician. The book shows how the centrifugal pump can be started and stopped by a simple electrical switch, explains the way in which the pump is primed and describes devices for protecting the pump and electrical equipment against damage due to various adverse operating conditions.

Manufacturers and Trade Associations

CALENDAR

Annual Meetings

NATIONAL SAND AND GRAVEL ASSOCIATION, Washington, D. C.; annual convention, Cleveland, Ohio, Jan. 9-11, 1929.

AMERICAN ROAD BUILDERS ASSOCIATION, Washington, D. C., annual convention, Cleveland, Ohio, Jan. 14-18, 1929.

NATIONAL CRUSHED STONE ASSOCIATION, Washington, D. C.; annual convention, Clevalnd, Ohio, Jan. 21-24, 1929.

AIRPORT CONSTRUCTION—A NEW FIELD FOR THE CONTRACTOR

This view, taken at Fort Wayne, Ind., is typical of the construction work now being done on many airports throughout the United States. The grading and paving of landing fields provide a new field of activity for the contractor. In this case trains of dump wagons hauled by Caterpillar tractors are transporting material dug by a Northwest shovel. The work is being done by the Arter Construction Company, of Fort Wayne.

The Business Side of Construction

An Assurance of Continued High Business Activity

American business and industry approach the new year under very favorable conditions. The year 1928 has witnessed record operations in almost every manufacturing group, especially during the last half of the year. General construction exceeded that of 1927 by more than 14 per cent; general employment has reached record proportions; the average weekly earnings of wage earners at the close of the year was the highest since 1920; corporation earnings advanced materially over those of 1927; retail trade exceeded that of the year previous by a wide margin; and the purchasing power of the American people, both urban and rural, was substantially increased. The year ended with industrial and general business activity above the estimated normal condition, which condition has been maintained practically throughout the entire year.

Many factors presage that whatever the course of business may be during the year 1929 as a whole, the first quarter of the year is almost certain to witness business and industrial activity of abnormal proportions. The outstanding favorable economic factors on the horizon as the new year opens are:

1. The election of Mr. Hoover. Corporations and large industries can now make their plans with certainty in regard not only to next year but for the next four years, for they can se continued prosperity inevitable with an economist and business leader at the helm.

2. A general optimism and confidence prevails throughout the country.

3. Material improvement in agricultural conditions. Farm products are on the most favorable basis for a decade, the value of nine leading farm products for 1928 being about 6 per cent greater than in 1927.

4. Decreased unemployment and a continued upward trend in wages with the cost of living remaining about stable, resulting in a widely distributed high consumer purchasing power.

5. Maintenance throughout the distribution branches of business of minimum inventories and quick turnover. Small stocks are in the hands of both wholesalers and manufacturers, a condition that presages a fairly constant volume of business during the next three months at the least.

6. Materially improved conditions in several industries that had been operating on a low scale during the first half of the year just closing.

7. A continuance of favorable underlying credit conditions even during a period of comparatively high money rates.

8. Continued high general construction of all classes. The value of contracts awarded for general construction projects during the last quarter of the year reached record proportions for the season, indicating continued high activity in this industry at least through the first quarter of the new year.

9. Increasing exports with an increased favorable trade balance.

10. A continuance of economic progress in foreign countries.

There are, however, some unfavorable factors which if they continue over a considerable time or become more forceful may lead to a disturbance of considerable importance. These adverse economic factors are as follows:

1. Frenzied speculation. Money has been diverted into the financial districts during the past few months in the extensive gambling in stocks, which credit should have been used for productive purposes.

2. High money rates. However, the ample resources of the Federal Reserve system make almost certain that there will be no lack of credit this year, though the rates at which this credit is obtainable remain at near present levels.

3. General trend toward price cutting to increase volume.

4. Depressed conditions in some of the basic industries such as coal and shipping.

5. Incomplete agricultural recovery.

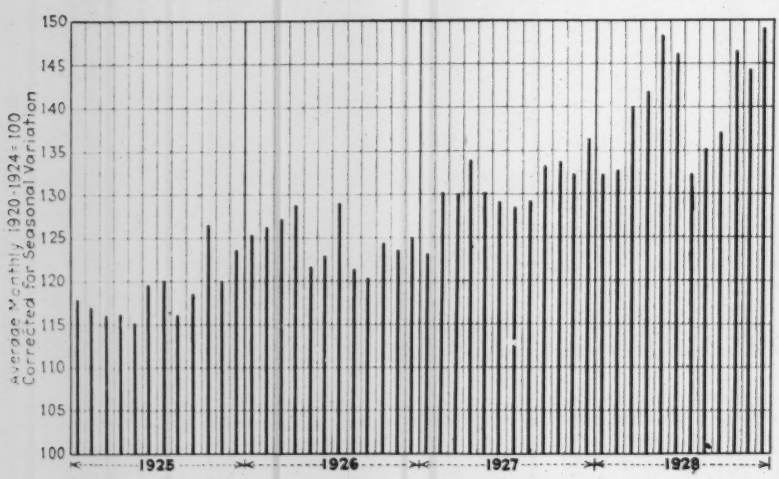
6. Extensive installment buying and selling and distribution costs.

7. Readjustments resulting from mechanization of general industry.

It is apparent that the favorable economic factors on the horizon far outweigh the unfavorable, and there is every reason to believe that American industry and business will experience continued prosperity at least for the first part of the the year. Beyond that point it is almost anybody's guess.

E. N.-R. Index Numbers

Cost		Volume		
Dec. 1, 1928	**210.16**	**November, 1928**	**251**	
Nov. 1, 1928	209.46	October, 1928	363	
Dec. 1, 1927	203.90	November, 1927	272	
Average, 1927	206.24	Average, 1927	263	
Average, 1926	208.03	Average, 1926	228	
1913.....	100.00	1913.....	100	



THE PAST YEAR HAS WITNESSED RECORD CHECK PAYMENTS

Awards Under Same Week Last Year

The week ended Dec. 24 witnessed a volume of contracts awarded on about the same level as for the week previous but about 31.2 per cent under that of the corresponding week of last year. The volume of contracts awarded for industrial buildings, however, was 51 per cent over that of the week previous and almost four times over the same week last year. This material gain in volume of industrial buildings was due to a $3,000,000 plant awarded by the Ford Plate Glass Company, located at Rossford, Ohio. A slight gain over the week previous was also recorded for commercial buildings, this gain being due to an increase in the number of million-dollar buildings compared with the week previous. The largest among these commercial structures was a $1,750,000 hospital at St. Louis. Projects for new streets and roads also showed a gain over the week previous, but were under last year.

The accumulated total for the year to date is $3,653,950,000, against $3,253,766,000 last year, a gain of 12.3 per cent over the same period in 1927. This is slightly under the rate of annual increase recorded during 1927.

This Week's Contracts

Heavy construction contracts, reported by *Engineering News-Record* in the week ended Dec. 24, with some comparisons, total as follows:

(In Thousands of Dollars)

	Dec. 24, 1928	Dec. 18, 1928	Dec. 27, 1927
Buildings:			
Industrial.....	$8.167	$5.386	$2.102
Commercial.....	33.100	30.143	37.971
Streets and roads..	4.593	3.992	6.880
Other construction.	9.677	11.996	33.649
Total.....	$55.537	$51.517	$80.602

Total, all classes, Jan. 1 to Dec. 24:

1928.....	$3.653.950
1927.....	3.253.766

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, loft, New York, N. Y., L. Adler sketches, $7,000,000.

Apartment, Chicago, Ill., Syndicate c/o Hooper & Janusch, archts., plans, $3,000,000.

Apartments and stores, New York, N. Y., Soundfield Holding Corp., plans, $2,175,000.

Apartment, New York, N. Y., Northview Investing Corp., plans, $2,000,000.

Apartment, New York, N. Y., Montelenox Corp., plans, $2,000,000.

Office and store, Chicago, Ill., A. N. Rebori, archt., soon takes bids for J. M. Patterson, $2,000,000.

Foundry, Pontiac, Mich., Oakland Motor Corp., plans, $2,000,000.

City hall, New Haven, Conn., City Hall Bldg. Conn., sketches, $1,750,000.

Hospital, New York, N. Y., Eighty-seven St. East End Corp., plans, $1,750,000.

Bank and office, New York, N. Y. Thirty-five-forty-one Broad St. Corp., Plans, $1,500,000.

Opera house, San Francisco, Calif., City and San Francisco Co., plans, $1,500,000.

Apartment, Seattle, Wash., J. Hudson, plans, $1,000,000.

Apartment, North Tarrytown, N. Y., sketches, $1,000,000.

Bids Desired

Apartment, Chicago, Ill., R. De Goyler & Co., archts., taking bids for W. C. Bannerman & Co., $1,000,000.

Printing plant, Chicago, Ill., A. S. Alschuler, Inc., archts., taking bids for J. T. Igoe, $1,000,000.

Bids Received

Sewers, Detroit, Mich., G. A. Dingman, drain comr. from M. B. Hanna Co., $1,168,173.

Contracts Awarded

Bank and warehouse, New York, N. Y., Lincoln Forty Second Street Co., to Dwight P. Robinson Co., est. $30,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 7.

Apartment, Chicago, Ill., Plotke & Grosby, general contract to Trimmer Wylde Co., est. $3,000,000.

Hotel and appartment, St., Louis, Mo., Coronado Hotel Co., separate contracts, $2,500,000.

Storage and factory Brooklyn, N. Y., New York Dock Co., to White Constr. Co., est. $2,218,000.

Auditorium, Wash., D. C., Daughters of Amer. Revolution to G. A. Fuller Co., New York, $1,875,000.

Theatre, office, Detroit, Mich., A. G. Wilson, to Bryant & Detwiler, est. $1,500,000.

Hospital, Toronto, Ont., Toronto General Hospital Bd., to W. H. Yates Constr. Co., est. $1,500,000.

Office, Oakland, Calif., Corporation, c/o W. H. Weeks, archt., to Cahill Bros. San Francisco, $1,500,000.

Hotel, St. Louis, Mo., Hotel Investment Co., to Kopman Constr. Co., est. $1,300,000.

Barracks, etc., California. Construction officers, to Meltry Bros., Los Angeles and others, totaling $1,019,195.

Hospital, Detroit, Mich., A. Kahn, archt., to Bryant & Detwiler, est. $1,000,000.

Clubhouse Tecumseh, Ont., Deauville Beach Club., to F. R. Patterson Constr. Co., Detroit, Mich., est. $1,000,000.

Hospital, Brooklyn, N. Y., Brooklyn Eye & Ear Hospital, to W. Kennedy, est. $1,000,000.

News of the Week

Waterworks

Proposed Work

Vt., St. Albans—For 10,700 ft. 16 in. mains, reinforcing old mains. $125,000. Address City engineer.

Conn., New Britain—Water Comrs., A. Hatch, chn., postponed construction, 3 story, 14 m.g. brick, concrete, filtration plant, pumping equipment, reservoirs. $1,000,000. J. D. Williams, city engr. Noted Apr. 5.

Ill., Princeton — Purchasing, installing water filter and softner. $45,000. R. L. Schoenberger, Princeton, engr.

Mo., Oak Grove—Improving waterworks, sewers. To exceed $15,000. Burns & McDonnell, 40 Interstate Bldg., Kansas City, engrs.

Mo., St. Louis — Water Dept., L. Day, comr., City Hall, soon takes bids water meters, equipment for Dpt. P. Utilities, Water Div. $50,000.

Tex., Dallas—E. A. Woods, city engr., soon takes bids pumping and purification plant, reservoir and pipe lines for City, c/o M. G. James, secy. Fuller & McClintock, 170 Bway., New York, consut. engrs. Noted Apr. 26.

Tex., Port Neches—Soon takes bids waterworks improvements. $45,000. H. L. Thackwell, Jacksonville, engr.

Okla., Ardmore — Grotto Lodge preliminary plans masonry dam and lake. $175,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Chelsea—Impounding reservoir, dam, filter plant, pumping equipment. $175,000 bond election in summer for same. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs. Noted Mar. 24, 1927.

Okla., Newcastle — New waterworks. $18,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engr.

Okla., Ponca City—Preliminary plans extending 13,000 ft. 6 and 8 in. mains in Otoe, Black, England and Kay Sts. $20,000. H. W. Crawford, City Hall, engr.

Wash., Edmonds — Surveys 500,000 gal. steel reservoir, 3 wells, 10 mi. 8 and 12 in. mains. Election soon $150,000 for same. W. T. Batcheller, Dexter Horton Bldg., Seattle, engr.

Ore., Astoria — Extending waterworks. $400,000. Stevens & Koon, Spalding Bldg., Portland, engrs.

Ont., Hamilton—For 2½ mi. 6 in. and up c.i. mains in Aberdeen and Glenfern Aves., Hess, Markland and Queen Sts. $30,500. W. L. McFaul, City Hall, engr.

Ont., Hamilton — For 2 mi. 30 in. c.i. mains in Charlton Ave. $122,000. W. L. McFaul, City Hall, engr.

Ont., Niagara Falls—Water Comn. brick, stone, concrete filtration plant, mechanical filters, pumps, valves, piping. $400,000. F. A. Dallyn, 71 King St. W., Toronto, engr. Noted May 24.

Bids Desired

Mass., Marshfield—Water Comrs. taking bids superstructure 1 story, brick, pumping station, plain found. $40,000. Seymonds & Stevens, 70 State St., Boston, engrs. Noted May 3.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Mount Pleasant—July 18, by Comrs. Valhalla Water Dist., at Town Rooms, Valhalla, mains, pumphouse, reservoir. C. H. Sells, Inc., Pleasantville, engr.; adv. E. N.-R. July 5.

Mich., Grosse Ile—July 6, by F. Burdeno, clk. Grosse Ile Twp., 17,500 ft. 6 and 8 in. c.i. mains, valves, in Dist. 3. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engr.

Mich., Saginaw—July 10, by P. Sager, comr. Light Water & Sewers, 30 and 36 in. steel or c. i. mains, Part 1, 893 lin. ft. main, Part 2, 828 ft. Lake Linton Crossing, 2093 ft. island crossing. H. H. Eymer, city engr.

Mo., Perryville—July 10, by City Clerk, filtration plant, pumping equipment, distribution lines, hydrants, valves, 175,000 gal. tank on tower. $120,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs. Noted May 3.

Bids Received

Pa., Phila.—Dpt. P. Wks., Bureau of Water, June 25, Contr. 924, from W. A. Lamb Co., 1700 Walnut St., $15,374; Contr. 926, from E. F. Roberts, 2622 Columbia Ave., $1,797; Contr. 930, from Herman Mayer Co., K. and Venango Sts., $19,433.

Neb., Wells—See "Sewers."

Contracts Awarded

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central Park, to G. V. Cornell, Rosebank, $156,000. Noted June 28.

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., welding and coating pitted sections 66 in. steel pipe in Clove Rd., to T. R. Coffey Co., 320 Bway., New York, $10,520. Noted May 24.

N. J., Lyndhurst (Rutherford P. O.)—Bd. Town Council, c.i. pipe, valves, hydrants, to Passaic Plumbing & Supply Co., 828 Main Ave., Passaic. Est. $15,000.

Pa., Phila.—Dpt. P. Wks., Bureau of Water, Contr. 921, to N. Trotter & Co., 26 North Front St., $6,520; Contr. 922, to C. E. Smith, 19 East Coulter St., $28,900; Contr. 923, to Acme Machine Co., 316 North 17th St., $49,985; Contr. 927, to M. and J. B. McHugh, 892 North Markoe St. $24,688. Grand total $110,093. Noted June 14.

Pa., Rutherford — Reading R.R. Co., Reading Terminal Bldg., Phila., 2 mi. 14 in. c.i. main, to Gannett, Seelye & Fleming Engineers, Inc., 2905 North Front St., Harrisburg, $50,000.

O., Cleveland—Cuyahoga Co., 7,000 ft. 6 in. c.i. mains in Broadview Rd. (Impvt. 125), to Gantose Constr. Co., 4844 Brookpark Rd., $19,958; 8,000 ft. 6 and 8 in. c.i. mains in Garden Blvd. (Impvt. 580), to Hadded-Mall Co., Schofield Bldg., $16,200.

See proposal advertising on page 160

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Specify and use LEADITE —it saves at least 75%

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Ill., Niles (mail Chicago) — For 6- to 18-in. vitr. sewer pipe, to A. Ranieri, 4901 Altgeld St., Chicago, $22,103.

Wis., Milwaukee—For 4,622 ft. 6- to 48-in. mains in Hawley Rd., 53rd, Vine and 55th Sts., to H. Hohensee, 1282-10th Ave., $57,473.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., c.i. mains in Chase Ave., to Mierswa Constr. Co., 666-20th St., $21,012.

Neb., Garland—T. S. Petrie, city clk., general contract waterworks, tank on tower, pump house, pipe, to C. Roebeck, 1136 South 32nd St., Omaha; well and pump, to E. C. Archibald, 111 South 25th St., Council Bluffs, Ia. Est. $22,000. Noted June 7.

Okla., McLoud—New waterworks, incl. deep well pump and motor, 17, 200 ft. 2- to 6-in. c.i. mains, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $31,216. Est. $35,000.

Okla., Oklahoma City—Extending 35,000 ft. 6- to 10-in. mains, to Sherman Iron Wks., 18 East Main St., $84,123. Est. $106,000.

Sewers

Proposed Work

N. J., West Orange—Bd. Town Comrs., Town Hall, 15 mi. sanitary sewers, 2 pumping stations, 4th Ward Sect. in Eagle Rock Ave. and Northfield Rd. $600,000. A. Potter, 50 Church St., New York, engr.

Miss., Bolton—Preliminary plans sewerage system. R. M. Striger, Jackson, engr.

Ky., Paducah—Storm and sanitary sewerage system for southern section city annexed to city dist., 1½ mi. long, ¾ mi. wide. $250,000-$300,000. R. Bradshaw, City Hall, engr.

N. J., Maywood (sta. Hackensack)—Bd. City Council, Municipal Bldg., sanitary sewers in Romaine Ave., Englewood and Sinninger Pls., Hardwich, Ackerman and Stewart Sts. $35,000. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Milburn—Twp. Com., Municipal Bldg., storm sewers in streets west of west branch Rahway River, $108,000, E. Halsey, 79 Academy St., Newark, twp. engr. Noted June 21.

N. J., Trenton—City Comn., L. D. Hirsch, city clk., various sized drains in several streets. $30,430. A. C. Gregory, Trenton, engr.

N. C., Charlotte — See "Streets and Roads."

O., Apple Creek—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., sewage disposal plant. $40,000. A. B. Briggs, Ohio-Hartman Bldg., Columbus, engr.

O., Brooklyn (br. Cleveland)—Village, 1 mi. 12 in. sewers in Tallman Rd. To exceed $40,000. R. Hecker, 905 Leader Bldg., Cleveland, engr.

Mich., Buchanan—For 1.7 mi. 8- to 12-in. vitr. or concrete and 1 mi. 12- to 30-in. concrete sewers. J. W. Toyne, South Bend, Ind., engr. Noted Jan. 19.

Mich., Romeo—For 12,450 ft. 8- to 12-in. vitr. or concrete sewer in Dists. 12, 13, 14 and 15. $30,000. G. H. Ruhling, 900 Lawyers Bldg., Detroit, engr.

Ill., Collinsville—Sewers, sewage disposal plant, incl. pumping station, Imhoff tank, sprinkling filters. $250,000. Kinsey Eng. Co., Marshall Blk., Pekin, engrs.

Ill., Jonesboro—Preliminary plans sanitary sewers. $50,000. P. B. Wilson, Marion, engr.

Ill., Metropolis—Sanitary sewerage system. $53,000. P. B. Wilson, Marion, engr.

Ill., Princeton—New unit to sewage disposal plant. R. L. Schoenberger, Princeton, engr.

Kan., Wellington—Sewage disposal plant. To exceed $25,000.

Neb., St. Paul—Soon takes bids sewerage system, 27,390 ft. 8- to 12-in. vitr. clay pipe, 11 flush tanks, 2,000 ft. ¾ in. galvanized pipe, and lowering 1,020 ft. c.i. pipe. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., Oak Grove—See "Waterworks."

Tex., Port Neches—Soon takes bids sanitary sewers. $40,000. H. L. Thackwell, Jacksonville, engr.

Okla., Antlers—Preliminary plans 12,000 ft. 10 in. vitr. clay sewers in East Main St. $26,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Okla., Clinton—Surveys extending 7 mi. sewers. $60,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Davenport — Preliminary plans sewer extensions. $30,000. C. A. Wood, Stillwater, engr.

Okla., Duncan—Preliminary plans extending 16,650 ft. 8 and 10 in. sewers in Country Club addition. $27,000. H. J. Wilkins, Duncan, engr.

Okla., Hooker—Surveys sewerage system. $55,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Manitou—Surveys sewerage system. $30,000. R. E. Whiteneck, 120 West 32nd St., Oklahoma City, engr.

Okla., Oklahoma City—Sanitary sewers in 4th, Easton and Prospects Sts. $40,000. W. W. Small, City Hall, engr.

Wash., Seattle—Bd. P. Wks., C. B. Bagley, secy., cancelled bids to have been opened July 6, sewer in West Hanford St. $1,495,364. Will prepare new specifications and soon takes new bids on same. W. D. Barkhuff, city engr. Noted June 28.

Calif., Los Angeles—Sacatela Storm Drain embracing 4,270 acres of drainage drainage area, some box section, 12 x 9 ft. 6 in. $1,300,000. L. W. Armstrong, city storm drain, engr.

Calif., Santa Clara—Sewers. To exceed $25,000. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., Vista—Vista Sanitary Dist. election $70,000, sewerage system Burns-McDonnell & Smith Engr. Co., Western Pacific Bldg., Los Angeles, engrs.

Ont., Toronto—For 8,000 ft. 8 in. and up drainage system in Cherry St. Dist. $75,710. R. C. Harris, City Hall, engr.

Ont., Toronto—For 3½ mi. 8 in. and up vitr. tile outlet sewer in Logan Ave. Dist. $35,140. R. C. Harris, City Hall, engr.

Ont., Toronto—For 3 mi. 8 in. and up sewers in Carlaw-Commissioners St. Dist. $163,919. R. C. Harris, City Hall, engr.

Bids Desired

Conn., Norfolk—July 17, by Executive Com. Norfolk Sewer Dist., sewerage works. City-Wastes Disposal Co., 45-7th Ave., New York, engrs., adv. E. N.-R. July 5.

N. Y., Albany—Albany Co. bids about Aug. 1, sewerage system for Delmar-Elsmere Sewer Dist. $200,000. R. C. Wheeler, 36 State St., Albany, engr.

N. Y., Brooklyn—July 11, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Lenox Rd., Kings Highway, Rockaway Parkway, 53rd St., Avenue V, Elm and 11th Aves.

N. J., Newton—July 16, by Town Com., altering and additions Sparta and Clinton Streets Sewage Treatment Works. T. F. Bowe, 110 William St., New York, consult. engr.; adv. E. N.-R. July 5. Noted Dec. 8.

Md., Baltimore—July 11, by Bd. Awards, sewers, storm drains in Sewer Dist. J-5, Sanitary Contr. 249. M. J. Ruark, sewerage engr.

O., North Canton (br. Canton)—Bd. Control bids about July 11, sanitary trunk sewer to serve North Canton and to hook into Big Edgefield Interceptor Sewer. $100,000. G. Davidson, North Market Rd., Canton, engr.

O., Warrensville Heights (br. Cleveland)—July 7, by Village, sewers and water curb connections, storm and sanitary sewers. To exceed $75,000. C. W. Courtney, 1771 East 11th St., Cleveland, engr.

Ill., Chicago—July 19, by M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., West Side Sewage Treatment Works, Div. O, T. J. Crowe, pres.; adv. E. N.-R., July 5.

Ill., Springfield—July 25, by Springfield Sanitary Dist., City Hall, Sewage Treatment Plant Divis. K, L, M, N, and O., S. S. Breese, pres.; adv. E. N.-R. July 5.

Calif., Livingston—E. J. Hicks, city clk., taking bids vitr. sewers. $25,000 or more.

Ont., Kitchener — Bids about July 23, sewage disposal plant. $325,000. Gore Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted May 10.

Bids Received

N. Y., Albany—R. C. Wheeler, engr., 36 State St., June 25, sewerage system in West Albany Sewer Dist., Colonie, from M. F. Dollard, 36 State St., Albany, $20,402. Noted June 21.

New Jersey—Municipalities of Bloomfield, Glen Ridge and Montclair, Council Chamber, Glen Ridge, June 20, Joint Third River Sewer, Contr. 1, from Romano & Saggese, 181 Glen Ridge Ave., Montclair. Noted June 7.

N. J., Jersey City—Bd. City Comrs., City Hall, June 26, sewer in Central Ave., from S. Colacurcio, 9 Casper Court, 81% $52,000 approriation.

N. J., Jersey City—Bd. City Comrs., City Hall, June 26, sewer in Jersey Ave. from 14th St. to Hoboken Ave., from New Jersey Asphalt & Paving Co., foot Jersey Ave., 95½% $80,000 appropriation.

Mich., Detroit—G. A. Dingman, drain comr. Wayne Co., June 6, Le Blanc Drain extension, Sects. 1-19, Taylor Twp., from M. R. Hanna Co., Ryan Rd. and Nevada Ave., $1,168,173. Noted May 24.

Wis., Milwaukee—Sewerage Comn., 508 Market St., Manitoba-Janesville Plank Rd. Sewer, from G. R. Fehr, 1253 29th St., $80,373. Est. $95,000. Noted June 7.

Mo., St. Louis—Bd. P. Serv., City Hall, June 26, Rock Creek Joint Sewer, 815 ft. 16 ft. rein.-con. horseshoe pipe, from R. J. Blackburn, 5700 Eichelberger St., $65,627. Est. $87,000. Noted June 7.

Nev., Wells — Sewers and watermains, from Mullins & Wheeler, Salt Lake City, Utah, $31,920.

Calif., Pasadena—Sewers, concrete pipe with cement joints, in Lamanda Park, from M. Simunovich, 3305 West 66th St., Los Angeles, $220,600.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in East 37th St., to Necaro Co., Inc., 97 Court St., $176,937; East 57th St., to S. Guerriero Co., 1024 66th St., $1,955. Noted June 21.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall (**e.e. means engineers estimate**), to P. Tomassetti Contg. Co., 1133 60th St., sewers in Pennsylvania Ave. 63.5 per cent, e.e. 5,000, Bay 20th St. 95 per cent, e.e. $4,100, 60th St. 73 per cent, e.e. $2,500; to Del Mel Constr. Co., 7624 15th Ave., East 96th St. 69.5 per cent, e.e. $3,100; to F. Vacaro, 1024 66th St., West 10th St. 59.91 per cent, e.e. $2,700, 84th St. 66.91 per cent, e.e. $2,500, 64th St. 63.82 per cent, e.e. $1,600; to C. Tozzi, 1362 63rd St., Ocean Parkway 64.99 per cent, e.e. $1,900, East 96th St. 57.99 per cent, e.e. $300. Noted June 14.

N. J., Haddon Heights—Boro Council, addition, enlarging sewage disposal plant, to R. E. Lamb Co., 841 North 19th St., Phila., Pa., $66,490. Noted May 31.

N. J., Harrington Park—Bd. Boro Council, storm sewerage system, South St., north of Harriet Ave. and west from Giles Rd. to Parkside, to L. H. Card, 377 1st St., Hackensack, $75,147.

Pa., Hollidaysburg—Supervs. Blair Co., Fairview Sewer, 18,690 ft. 6- 7- 24- and 30 in. pipe, in Logan Twp., to Tiffany Parson & Bloom, Castle Shannon. Est. $50,000.

Miss., Clinton—Sewers, disposal plant, incl. settling tank, sand filters, to B. E. Walker Constr. Co., 183 Glen Mary St., Jackson, $24,000. Noted May 31.

O., Canton—Trunk line Sewer 1, outskirts of city on Tuscarawas St. E. to River Constr. Co., Eberman Pl. S.E., $26,012. Est. $25,000.

O., Cleveland—Cuyahoga Co., 3,000 ft. 8- to 18-in. vitr. tile sewers in Liberty Ave. Impvt. 127, and 7,000 ft. 8- to 30-in. rein.-con. in Broadview Rd. (Impvt. 125), to Gantose Constr. Co., 4844 Brook Park Rd., $16,535 and $35,750 respectively; 8,500 ft. 8- to 42-in. rein.-con. in Garden Blvd., (Impvt. 515), to Hadded Mall Co., Schofield Bldg., $34,999. Grand total $87,284. Noted May 31.

Mich., Pontiac — For 48 in. concrete in tunnel trunk sewer in Lois and Shirley Aves., to H. J. Lamet, 921 Frank St., Birmingham, $51,054.

Ill., Glencoe—See "Streets and Roads."

Ill., Niles (mail Chicago)—Water stubs, 6- to 12-in. mains, to A. Ranieri, 4901 Altgeld St., Chicago, $73,678.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Wenzel & Henoch Co., 498-27th St., extending East Morgan Avenue Tunnel $174,276, monolithic concrete sewer in East Morgan Ave. $214,188; and Brust Ave. $209,855. Grand total $598,319. Noted June 28.

Okla., McLoud—Sewerage system, incl. septic tank, 21,000 ft. 8 and 10 in. vitr. clay pipe, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $28,460. Est. $30,000. Noted Feb. 23.

Calif., Beaumont—Vitr. sewage system, to P. Barnett, 751 West Chapman Ave., Orange, $68,356.

Ont., Forest Hill—For 16,700 ft. 9 and 12 in. vitr. tile sewers, to A. Cavotte, 941 College St., Toronto, $50,731. Est. $50,000. Noted May 10.

Waste Disposal

Bids Desired

N. Y., New York—Dpt. Plant & Structures, A. Goldman, comr., Municipal Bldg., bids about Nov. 1, 350 ton daily capacity garbage incinerator, 9th Ave., 215th and 216th Sts. $950,000. E. A. Byrne, c/o owner, ch. engr.

Constr. News page 2

Michigan Cities Like It

84-inch line of Independent Reinforced Concrete Pipe laid at Clawson, Mich.

A Long List of Them Use INDEPENDENT Pipe for Permanent Sewers

MICHIGAN cities—all the way from Detroit to Iron Mountain—have laid scores of miles of INDEPENDENT Reinforced Concrete Sewer Pipe in the last 15 years.

So satisfactory have the installations proved that every year we have undertaken a large number of "repeat" contracts, as well as numerous new jobs in the Wolverine State.

Michigan cities, like those in a long list of other states, have found INDEPENDENT Pipe the most economical material for constructing permanent sewers.

An exclusive advantage, appreciated alike by engineer and contractor, is the "RECESSED" Joint of INDEPENDENT Pipe. This feature makes it easier to lay pipe properly under *any* trench condition, and assures smoother, stronger, tighter joints in the completed sewer.

We will gladly send you full information and estimates on the use of INDEPENDENT Pipe for your next sewer project. Write us.

Independent Concrete Pipe Co.
General Offices, Indianapolis, Ind.

Partial List of Michigan Cities that have laid "INDEPENDENT" Sewers

Adrian	Flint	Mt. Clemens
Ann Arbor	Ford	Niles
Birmingham	Iron Mountain	Oakland Co.
Bloomfield	Jackson	Pontiac
Clawson	Lansing	Port Huron
Dearborn	Menominee	Royal Oak
Detroit	Monroe	Saginaw
Ecorse	Muskegon	Trenton

INDEPENDENT

The Reinforced Concrete Pipe with the RECESSED Joint

Waste Disposal (Continued)

Contracts Awarded

N. J., Rahway—Bd. City Council, incinerator, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex., $40,750. Noted May 10.

Pa., Midland—Boro, 1 story, brick, steel incinerator (30 ton furnace), to Pittsburgh Des Moines Steel Co., Neville Island, Pittsburgh. Est. $35,000.

Bridges

Proposed Work

Vermont—Hy. Dpt., Montpelier, rejected bids June 22, bridge, 10 x 10 box culvert in Poultney. Noted June 21.

Ala., Birmingham — Preparing plans 1,000 ft. rein.-con. viaduct, 22nd St., 50 to 80 ft. $225,000. A. J. Hawkins, 407 City Hall, engr.

La., Moncla—State Hy. Comn., Baton Rouge, bridge over Red River, Moncla Landing. J. M. Fourmy, state Hy. engr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys bridge over Hiwassee River, on State Rd. 58, Meigs Co., $250,000—steel, concrete bridge over Clinch River, near Kingston, Roane Co. To exceed $800,000. H. F. Berry, comr.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, soon takes bids concrete, steel bridge over Stones River, on Nashville-Lebanon Rd., Davidson Co. To exceed $25,000. H. F. Berry, hy. comr.

O., Ohlton (mail Mineral Ridge)—F. A. Labelle, Youngstown, bids in August, bridge over Meander Creek, near here for Mahoning Co., (Youngstown). $280,000.

Mich., Port Huron—Pere Marquette Ry. Co., Fort St., Union Depot, Detroit, H. A. Cassil, ch. engr., one 100 ft. span single leaf bascule type bridge, Pere Marquette Ry. and Black River. $250,000. C. H. Sheldon, c/o owner, engr. Bridges & Buildings.

Mont., Garrison — Northern Pacific Ry. Co., H. E. Stevens, ch. engr., Railroad Bldg., St. Paul, Minn., two 60 ft. steel, concrete span bridge over river, near here. $25,000.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids 250 ft. rein.-con. viaduct over River Des Peres, on Alabama Ave. $125,000. L. R. Bowen, City Hall, engr.

Mo., St. Louis—Wabash Ry. Co., R. H. Howard, ch. engr., Ry. Exch. Bldg., soon takes bids 100 ft. rein.-con., steel, double track bridge over North Bway. $89,000. This corrects report in June 14 issue.

Mo., St. Louis—Bd. P. Serv., preliminary plans rein.-con., steel viaduct over Union Station train shed at Clark Ave. between 18th and 21st Sts. $600,000. L. R. Bowen, City Hall, engr.

Texas and Mexico—A. Gonzales, Ysleta, Tex., timber vehicular and pedestrian bridge over Rio Grande River between Ysleta, Tex., and Zaraga, Mexico. $30,000.

Tex., Newton—See "Streets and Roads."

Okla., Ramona—Washington Co. (Bartlesville) preliminary plans 1 span 120 ft. steel truss bridge on piers over Four Mile Creek. $28,000. E. D. Kirkpatrick, Bartlesville, engr.

Calif., Sangus—State Hy. Dept., Sacramento, bridge to replace structure destroyed by St. Francis disaster, Los Angeles Co. $250,000. C. H. Purcell, Hy. Bldg., engr.

Ont., Toronto—For 400 ft. (probably steel trestle) bridge, on Spadina Rd. $250,000. R. C. Harris, City Hall, engr.

Bids Desired

Vermont—July 6, by State Hy. Comn., Montpelier, bridges in Hartford, Barton, Wallingford, Bethel, Randolf, Orange, Troy, Bridgewater, new bids Middletown Springs, Castleton and Poultney. S. B. Bates, comr. Noted June 21.

Mass., Hudson—See "Contracts Awarded."

Delaware—See "Streets and Roads."

Illinois—July 18, by State Dept. P. Wks. & Buildings, Div. Hys., Springfield, **(R.C.S. means Rein.-Con. Slab and R.C.G. Rein.-Con. Girder)** nineteen 35 ft. span steel I-beam trestle bridge, Route 3, Sect. 85-B, Schuyler Co.—two 39 ft. and three 64 ft. span R.C.G. Route 42, Sect. 113-B-2, Lake Co.—three 20 ft. R.C.S., three 50 ft. span R.C.G. and four 50 ft. span, one 18 ft. and one 12 ft. span R.C.S. extensions, Route 47, Sect. 123-B, Livingston Co.—two 30 ft. span R.C.S. and one 43 ft. R.C.G. Route 47, Sect. 125-B, Ford and Livingston Counties—seven 60 ft. span R.C.G. Route 48, Sect. 127-B, one 26 ft. R.C.S. and one 50 ft. R.C.G., Sect. 128-B, Macon Co.—two 16 ft. R.C.S., two 24 ft. and three 60 ft. span R.C.G., Route 49, Sect. 138-B, Iroquois Co.—75 ft. steel superstructure, Route 49, Sect. 139-C, Kankakee Co.—three 55 ft. span R.C.G., Route 72, Sect. 120-B, Ogle Co.—two 20 ft. R.C.S. one 30 ft. and two 40 ft. R.C.G., Route 75, Sect. 111-B, Stephenson Co.—one 20 ft. and one 14 ft. R.C.S., one 50 ft. R.C.G., Route 78, Sect. 115-B, Whiteside and Henry Counties—one 80 ft. rein.-con. substructure, Route 80, Sect. 123-B, and one 80 ft. steel superstructure, Route 123-C Knox Co.—one 45 ft. and one 60 ft. span R.C.G., Route 94, Sect. 112-B, Hancock Co.—two 40 ft. R.C.G., one 60 ft. and one 18 ft. R. C. S., Route 116, Sect. 120-B, Iroquis Co.—one 35 ft., one 57 ft. and two 59 ft. span R.C.G. overhead bridge, Route 121, Sect. 105-V-B, Tazewell Co.—125 ft. rein.-con. substructure, four 50 ft. R.C.G. approach spans, one 28 ft. R.C.S., Route 128, Sect. 101-B, and 125 ft. steel superstructure, Sect. 101-C, Shelby Co.—one 100 ft. rein.-con. substructure, nineteen 37½ ft. steel beam approach spans on four 20 ft. and one 26 ft. rein.-con. piling piers, three 30 ft. R.C.S., two 40 ft. R.C.G., one 45 ft. and three 10 ft. rein.-con. box culverts, Route 140, Sect. 105-B, and 100 ft. steel superstructure, on Sect. C, White Co.—one 100 ft. rein.-con. substructure, four 50 ft. girder approach spans, Route 142, Sect. 101-B, and 100 ft. steel superstructure on Sect. C, Effingham Co.—two 170 ft. span rein.-con. substructure, two 50 ft. R.C.G. approach spans, one 70 ft. rein.-con. substructure, two 50 ft. R.C.G. approach spans, Route 148, Sect. 129-B, one 70 ft. and two 170 ft. span steel superstructure, Sect. C, Williamson Co.—four 29 ft. span R.C.S., overhead bridge, Route 160, Sect. 133-V-B, one 34 ft. and two 47 ft. R.C.G. overhead railroad bridge, Sect. 133-V-B, one 34 ft. and two 47 ft. span R.C.G. railroad overhead bridge, Sect. 134-V-B, one 34 ft. and two 36 ft. span R.C.G. overhead bridge, Sect. 135-V-B, Madison Co.—one 70 ft. rein.-con. substructure, Route 166, Sect. 101-B, and one 70 ft. steel superstructure, Sect. 101-C, Williamson Co. F. T. Sheets, ch. hy. engr.

Wis., Fulton (mail Edgerton)—July 12, by State Hy. Comn., City Hall, Edgerton, four 120 ft. riveted truss type bridge on 3 rein.-con. piers and 2 rein.-con. abutments over Rock River, State Trunk Hy. 59, Rock Co. C. H. Kirch, bridge engr.

Iowa — July 10, by State Hy. Comn., Ames, 50 x 20 ft. pony truss bridge, raising 24 x 24 ft. slab bridge, adding 24 x 24 ft. span, also 40 culverts, extensions, on U. S. Hy. 69, B-588, Decatur Co.—90 x 20 ft. skew pony truss bridge with two 40 x 20 ft 1-beam approaches, one 140 x 20 ft. high truss bridge with two 40 x 20 ft. 1-beam approaches, two 32 x 20 ft. and one 40 x 20 ft. 1-beam bridges on Maquoketa-Sabula Rd., B-532Jackson Co. 75 x 20 ft. plate girder bridge with four 40 x 20 ft. concrete girder approach spans on U. S. Rd. 75, B-105 Plymouth Co.—10 culverts, on Primary Rd. 19, B-565 Clayton Co.—4 culverts on U. S. Rd. 161, F. A. B. 17, Dubuque Co. R. F. White, hy. comr.

Kan., Iola—July 26, by Clerk Allen Co., 2 concrete slab spans, Project 54-36-FA-367-E.

Missouri—July 6, by State Hy. Comn., Jefferson City, bridges on 9 projects in Benton, Bollinger, Holt, Iron, Jasper, New Madrid, Nodaway and St. Francois Counties. T. H. Cutler, ch. engr. Noted June 21.

Arizona—See "Streets and Roads."

Calif., Bowman—July 11, by C. H. Purcell, hy. engr., Sacramento, 2 overhead crossings, incl one 46 ft. and two 40 ft. spans, other one 46 ft., one 38 ft. and one 28 ft., span, both rein.-con. girder type, near here, Placer Co. $30,000.

Bids Received

Pa., Treveskyn — Comrs. Allegheny Co., Pittsburgh, rein.-con., steel bridge, from J. W. Hansen, Wabash Bldg., Pittsburgh. $24,524. Est. $29,000.

North Carolina—State Hy. Comn., Raleigh, June 19, rein.-con. bridges, culverts on Project 5010, Alamance Co., from T. A. Loving, Goldsboro, $26,804—Project 3360, Cumberland Co., from Kiker & Yount, Reidsville, $43,396—Project 621, Cabarrus Co., from E. A. Wood Constr. Co., Andrews, $35,345—Project 6502 A and C, Mecklenburg Co., from Hester & Slack, Greensboro, $36,359—Project 179, Perquimaus Co., from J. S. Bowers, Whiteville, $150,089. Noted June 14.

South Carolina—State Hy. Dpt., Columbia **(S.P. means State Project and F.A.P. Federal Aid Project)**, 2 treated timber bridges on Route 64, S. P. 644 A and B, Barnwell and Bamberg Counties, and treated timber bridge over Salkehatchie River, Route 24, S. P. 589-F, from Palmer Constr. Co., Florence, $5,150 and $4,394 respectively—rein.-con., bridge on U. S. Route 29, F.A.P. 289-A, Cherokee Co., from Gaulden Bros., Spartanburg, $9,640—rein.-con. bridge over Saluda River on Route 391, S. P. 706, Saluda and Newberry Counties, from R. G. Kennedy, Batesburg, $74,991—2 rein.-con. bridges on Route 10, S. P. 633-A, Spartanburg Co., from P. S. Minus, Spartanburg, $27,906.

O., Cincinnati—Hamilton Co., Court House, 3 span 80 ft. concrete, steel I-beam bridge, on Montgomery Rd., from United Constr. Co., 408 Lyric Bldg., $29,064. Est. $34,248. Noted Mar. 8.

Tex., Conroe—G. Gilchrist, hy. engr., Austin, timber pile bridge on Hy. 105, Montgomery Co., to Hannah Constr. Co., Box 994, Waco, for Hy. Comn., R. Sterling, chn. $39,752. Est. $45,000. Noted June 14.

California — State Hy. Comn., Sacramento, June 20, four 30 ft. span rein.-con. girder bridge over Truckee River, near Tahoe City, from P. M. White, Santa Monica, $23,988, est. $28,470—rein.-con. girder bridge on concrete piers over Southern Pacific R.R., near Wiemer, from Butte Constr. Co., San Francisco, $25,546 both in Placer Co. Noted June 7.

Contracts Awarded

Maine — Hy. Comn., Augusta, Handley Bridge in Hope, to V. E. Dunn, Augusta, $4,285—Cookson Bridge in Windsor, to G. W. Crane, Waterville, $13,230—Manter and Conforth Bridges in Industry, to C. E. Keene, Madison, $3,962 and $5,555 respectively—Piscataquis Bridge in Howland, to E. Cyr, Waterville, $44,732—Hiram Bridge in Auburn, to Cyr Bros., Waterville, $55,147—Crystal Spring Bridge in Auburn, to E. A. Noyes, Orono, $18,729—Dennison Street Bridge in Auburn, to Stewart & Williams, Augusta, $9,497. Grand total $155,137. Noted June 14.

Vermont—Hy. Dpt., Montpelier, 1 bridge in Royalton, to H. S. Knight, South Royalton, $18,915—3 in Groton, to General Constr. Serv. Co., St. Albans, $30,284—4 in Randolph, to New England Constr. Co., Springfield, Mass., $45,889—5 in Starksboro, to Sargent & Norton, Bristol, $27,484. Grand total $122,572. Noted June 21.

Mass., Hudson—Town, E. Morgan, supt. streets, 2 one span concrete bridges, Maguire and Cox Sts., day labor. $25,000.

New Jersey—State Hy. Comn., Trenton, bridge across Matawan Creek, Monmouth Co., to Kolyn Constr. Co., Commonwealth Bldg., Trenton, $76,990. Noted June 7.

N. J., Millburn—Essex Co., Newark, plate girder encased in concrete bridge over Canoe Brook, on Parsonage Hill Rd., to Watchung Constr. Co., South 2nd St., Plainfield, $30,422. Noted June 28.

N. J., Roselle (Ind. br. Elizabeth)—Union Co., Court House, Elizabeth, steel, concrete bridge, on East Walnut St., Sheridan and 6th Aves., to Halsey & McCowatt, Westfield, $86,728.

Pa., Beaver—Comrs. Beaver Co., Court House, Sharron Bridge, incl. repaving roadway, to Penn Bridge Co., College Hill, Beaver Falls. Est. $25,000.

Pa., Duquesne—R. C. Woodside, controller Allegheny Co., Court House, Pittsburgh, Duquesne Bridge 1 over Thompson Run, to Pitt Constr. Co., Empire Bldg., Pittsburgh, $165,559. Noted June 7.

Delaware—State Hy. Dpt., Dover, rolling bascule bridge, Contr. 91, to A. S. Fox, 24 North Canal St., Dayton, O., $50,326. Noted May 31.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, 3 bridges, Knox Co., to Clark & Minnix, Flora, $41,415—2 bridges, Knox Co., to W. H. Rupert, Brazil, $19,250—2 bridges, Jay Co., to Burk Constr. Co., New Castle, $21,131—2 bridges, Spencer Co., to A. G. Ryan Co., Chrisney, $15,046—bridge in Monroe Co., to Vincennes Bridge Co., Vincennes, $9,469. Grand total $106,311. Noted May 24.

Mich., Ann Arbor—Steel, concrete viaduct over Michigan Central R.R., on Bway., to Ferguson & Edmonson, Keystone Bldg., Pittsburgh, Pa., $147,993. Est. $250,000. Noted Jan. 26.

Mich., Mt. Clemens—Macomb Co., Court House, two 45 ft. span steel truss bridge over Salt River, on Jefferson Ave., to R. B. Jackson Co., Jackson; steel, to American Bridge Co., 1328 Buhl Bldg., Detroit. Est. $34,000. Noted June 7.

Illinois and Missouri—Quincy Memorial Bridge Co., Quincy, Ill., rein.-con., steel bridge across Mississippi River from Quincy, Ill. to Marion Co., Mo., to Kelly Atkinson Constr. Co., 189 West Madison St., Chicago, Ill. Est. $1,250,000.

Wisconsin and Michigan — Wisconsin State Hy. Comn., and F. F. Roger, comr. Hy. Dpt. of Michigan, at City Hall, Marinette, Wis., Interstate Trunk Line Bridge 1 of 55-7-21, Marinette Co., Wis., and Menominee Co., Mich., Contr. 1, to Connolly Constr. Co., 2234 University Ave., St. Paul, Minn., $145,731; Contr. 2, to Wisconsin Bridge & Iron Co., North Milwaukee,

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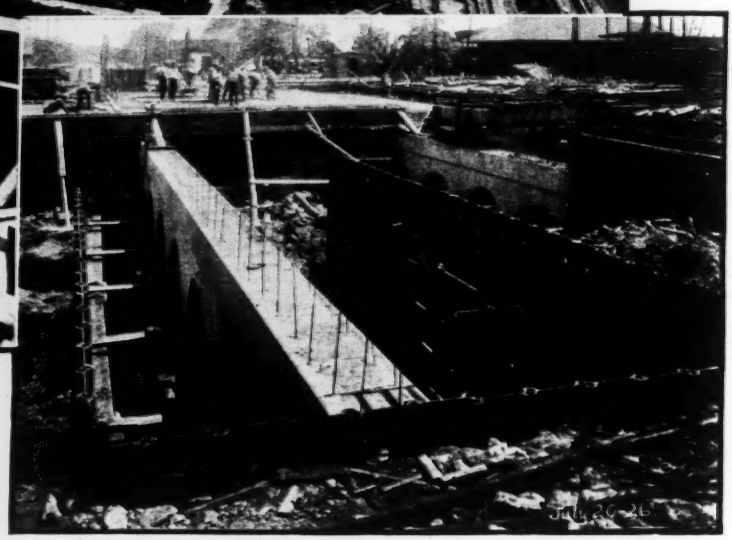

Above:
A general view showing cofferdams of Lackawanna Arched-Web Sections.

Right:
Close-up view of a Cofferdam built of Straight-Web Sections.

Lackawanna Steel Sheet Piling

Arched- and Straight-Web Sections

used in Cofferdams for elimination of the South Dearborn Road grade crossing in the city of River Rouge, Michigan.

Work under the supervision of the Wayne County Road Commission

BETHLEHEM STEEL COMPANY, *General Offices:* BETHLEHEM, PA.

DISTRICT OFFICES:

New York Boston Philadelphia Baltimore Washington Atlanta Buffalo Pittsburgh Cleveland
Cincinnati Detroit Chicago St. Louis San Francisco Seattle Los Angeles Portland Honolulu

Bethlehem Steel Export Corporation, 25 Broadway, New York City, Sole Exporter of Our Commercial Products

BETHLEHEM

Bridges (Continued)

Wis., $68,378; Contr. 3, to C. R. Meyers & Sons, Oshkosh, Wis., $198,304. Grand total $412,053. Noted May 17.

Tex., New Braunfels—State Hy. Dpt., Austin, 240 ft.—cantilever girder bridge, approaches over Comal River, to Walsh, Burney & Moore, c/o Frost Bank Bldg., San Antonio, $49,729.

Arizona — State Hy. Comn., Phoenix, bridge on Project 79-D, Cochise Co., to C. & F. W. Steffgen, Spreckles Bldg., San Diego, Calif., $59,333.

Dams

Proposed Work

Okla., Ardmore—See "Waterworks."

Railways

Proposed Work

California—Southern Pacific R.R. Co., E. J. Foulds, counsel, 65 Market St., San Francisco, 6.1 mi. new line railroad, Martinez, across Suisun Bay to Goodyear Station in Contra Costa and Solano Counties, Southern Pacific Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, will operate same.

Bids Desired

Missouri — See "Buildings — Commercial under St. Louis."

British Columbia — See "Contracts Awarded."

Contracts Awarded

British Columbia—British Columbia Electric Ry. Co., 425 Carrall St., Vancouver, A. C. Eddy, engr., concrete base for tracks, heavy rails on wood ties, double tracks on Hastings St. from Cordova to Granville St., Pender St. from Granville to Georgia Sts., on Alma Rd. from 10th to 12th Aves. in Vancouver, force account. $92,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

La., Mandeville—A. E. Manent, mayor, cancelled bids to have been opened June 13, dredging Bayou Castaing. Project postponed indefinitely. Noted June 17.

Bids Desired

Ohio — July 6, by Comrs. Summit Co. (Akron) straightening, widening, deepening, dredging 460,000 cu.yd. Tuscarawas River from Akron to point below Barberton. $80,500. H. G. Sours, Court House, engr.

Illinois — July 16, by Comrs. Clayton-Bennington D. D. of Woodford and Marshall Counties, at office W. Meierhofer, secy., Minonk, 152,000 cu.yd. excav. in main ditch, 20,000 cu.yd. in laterals. O. W. Boers, Lacon, engr.

New Brunswick — July 13, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing breastwork, Fort Dufferin, St. John Co. $25,000.

Ont., Toronto—See "Contracts Awarded."

Bids Received

Mo., Clayton—W. Stoecker, ch. engr. St. Louis Co. D. D. 2-A, Memorial Park Bldg., Webster Groves, June 13, straightening, widening, deepening Cold Water and Fontaine Creeks, from Pioneer Constr. Co., 270 Glover Bldg., Kansas City, $119,016. Noted June 7.

Contracts Awarded

Massachusetts—Metropolitan Dist. Comn., Boston, dredging 10,000 cu.yd. Lechmere Canal and 10,000 cu.yd. in Broad Canal, Charles River Basin, to Bay State Dredging & Contg. Co., East Boston, $12,000.

Mass., Chilmark—Dpt. P. Wks., W. F. Williams, comr., dredging 44,000 cu.yd. to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $18,802. Noted May 17.

W. Va., South Charleston (br. Charleston)—Carbide & Carbon Chemical Corp., 2 mi. levee embankment, 50 ft. wide on top, Blaines Island, incl. 100,000 sq.yd. rip rap, 250,000 cu.yd. floating dredgework, to Ohio River Dredging Co., Huntington. Est. $200,000. Noted Apr. 19.

Minn., Minneapolis—Park Comrs., C. E. Doell, secy., City Hall, 260,000 cu.yd. dredging and fill at Meadowbrook Golf Course, to McKenzie Hague Co., Inc., 422 Corn Exch., at $0.245 per cu.yd. Noted May 17.

Quebec—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Valleyfield and Port Lewis, to Les Chantiers Monseal Ltd., Sorel, $35,000 and $20,000 respectively. Noted May 24.

Ontario—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging Kincardine and Lions Head, to W. L. Forrest, Goderich, $15,000 and $20,000 respectively. Noted May 17.

Ont., Sault Ste. Marie—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging Saulte Ste. Marie Harbor, to Soo Dredging Co., 604 Queen St. $23,000, and A. B. McLean & Son, Brock St. $15,400.

Ont., Toronto—Canadian Natl. Ry., New Union Station, T. T. Irving, ch. engr., 500 ft. rein.-con. retaining wall, 18 ft. high, to Corbett Constr. Co., 2 Harbor St. Est. $25,000.

Ont., Toronto—Toronto Harbor Comrs., Harbor Bldg., land reclaimation work, incl. 1,500,000 yd. hydraulic fill, day labor. $750,000. J. G. Wainwright, Harbor Bldg., engr.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., State House, Boston, rejected bids June 19, bituminous macadam paving 3,290 ft. hy. in Blandford. Will readvertise. Noted June 14.

Mass., Boston—Dpt. P. Wks. reconstructing Greaton, Burwell and Leemington Rds., West Roxbury and Brighton as highways. $25,000. J. H. Sullivan, comr.

Mass., Cambridge (br. Boston)—Improving Ames St. and Lexington Ave. $50,000 appropriated.

Mass., Cambridge (br. Boston)—Improving Bway. from Prospect to Windsor Sts. $35,000.

Mass., Lowell—Dpt. P. Wks., bituminous macadam paving 6,500 ft. Pawtucket St. $65,000. W. F. Williams, comr.

N. J., Cranbury—Middlesex Co. (New Brunswick) 8 in. concrete paving 1 mi. Cranbury-Plainsboro Rd. W. F. Buchanan, Perth Amboy, engr.

N. J., Ft. Lee—Bd. Boro Council, Boro Hall, grading, paving Forest Rd., Virginia and Brinkerhoff Aves. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engr.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Stegman Pl. $30,000. C. A. Van Keuren, city engr.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt on concrete repaving Stevens Ave. from Hudson Blvd. to West Side Ave. $50,000. C. A. Van Keuren, city engr.

N. J., Livingston—Twp. Comn., Central School, grading, bituminous penetration paving Old Rd. $25,000. Freeman & Winston, McIntosh Bldg., West Orange, twp. engrs.

N. J., Longport—Plans amiestite paving 2 blocks Atlantic Ave. $45,000.

N. J., Maywood (sta. Hackensack)—Bd. Boro Council, Municipal Bldg., grading, 2 in. bituminous on 6 in. concrete paving Romaine Ave. $175,000. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Montclair—Bd. City Council, Administration Bldg., concrete sidewalks on Hilltop Pl., Virginia and Harrison Aves., Label, Amelia, Grove and Park Sts. $26,000. Address Town Engineer.

N. J., Newark—Bd. Comrs., City Hall, widening, sheet asphalt on concrete paving Mt. Prospect, Bloomfield and 4th Aves. $210,000. J. W. Costello, City Hall, engr.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., Court House, concrete paving 1 mi. Cranbury-Plainsboro Rd. $75,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

N. J., Nutley (br. Newark)—Bd. Town Council, Town Hall, grading, 7 in. bituminous macadam paving Nutley Ave. $35,000. G. R. Hartley, town engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, curbing, sidewalks, concrete paving Ernest St., Newark, Gliss and Bloomfield Aves. $135,000. G. R. Hartley, town engr.

N. J., Union—Bd. City Council, City Hall, sheet asphalt on concrete paving 24th St. from New York Ave. to West St. and from Summitt Ave. to Hudson Blvd. $30,000. J. Maulbrick, city engr.

N. J., West New York—Bd. City Council, Municipal Bldg., grading, bituminous macadam on concrete repaving Lincoln Pl. from 22nd to 24th Sts. $25,000. F. J. Oleri, city engr.

N. J., Teaneck (mail West Englewood)—Twp. Comn., Municipal Bldg., grading, 6 in. single line concrete paving Bedford Ave. $46,000. P. Fraleigh, Teaneck Rd., and Cedar Lane, twp. engr.

N. J., Union—Bd. City Council, City Hall, curbing, sheet asphalt resurfacing 24th St. from New York Ave. to West St. and 24th St. from Summitt Ave. to Hudson Blvd. $40,000. J. Maulbeck, city engr.

Pa., Pittsburgh—Soon takes bids grading, curbing, paving Ceres Way between Beltzhomer and Emerald Sts., $35,000; repaving Reedsdale St. between Allegheny and Ridge Aves., $49,000.

Pa., Pittsburgh—Soon takes bids grading, curbing, paving, Hillcrest St. between North Aiken and North Fairmont Sts. $33,000. Dpt. P. Wks., City-County Bldg., engrs.

Delaware—State Hy. Dpt., Dover, rejected bids June 19, grading, concrete paving 2.1 mi. Contr. 110. Noted May 31.

Md., Baltimore—Bd. Estimates, City Hall, paving Garrison Blvd., $90,200, 4 additional streets. $51,800.

North Carolina—State Hy. Comn., Raleigh, clearing, grading 7 mi. Project 1400, Halifax Co., $35,000; 8.3 mi. Project 7300, Davie Co., $41,500. L. R. Ames, Raleigh, engr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys improving 15 mi. Benton-Etowah Rd., Polk Co. — 25 mi. Linton-Centerville Rd., Davidson and Hickman Counties. H. F. Berry, comr.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, surveys improving 12 mi. Altamont-Palmersville Rd., Grundy Co.—6 mi. Centerville-Wrigley Rd., Hickman Co. H. F. Berry, hy. comr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys improving 3 mi. Glendale-Valdean Rd., Hamilton Co.; 12 mi. Gainesboro-Hillian Rd., Jackson Co. H. F. Berry, hy. comr.

Tenn., Benton—Polk Co. and State Dept. Hys. & P. Wks., Nashville, improving Benton-Parkville Rd. County appropriated $50,000, its share of cost.

Tenn., Springfield — J. R. Adams, city clk., rejected bids June 25, paving Main St. Long & Co., Bennie-Dillon Bldg., Nashville, engrs.

Ind., Anderson—Madison Co., curbing, concrete paving 1½ mi. B. J. Home Rd., 28 ft. $38,000. A. Steele, Anderson, engr.

Ind., Anderson—Madison Co., concrete paving 1¼ mi. Raible Ave. and Biddle Rd., $27,000; curbing, concrete paving 1¼ mi. 19th St., $32,000, both 30 ft. A. Steele, Anderson, aud.

Mich., Grosse Pointe (br. Detroit) — Wayne Co. Road Comr. (Detroit), widening, double concrete paving Jefferson Ave.

Mich., Port Huron — Concrete curbing, concrete or asphalt paving 31,300 sq.yd. River and Kearney Sts., Center and Electric Aves., 24 to 30 ft. $60,000. D. D. Worcester, City Hall, engr.

Ill., East St. Louis—Bd. Local Impvts. soon takes bids 7 and 8 in. concrete paving 55,110 sq.yd. 14th, 27th, 40th, 44th, 76th, St. Clair and M. L. Harriss Addition Paving Dist. $243,500. W. McK Brown, City Hall, engr.

Ill., Geneseo—Preliminary plans grading, curbing, concrete paving 15 blocks, 27 ft. S. Ogden, Geneseo, engr.

Ill., Monmouth—Grading, curbing, guttering, 7 in. concrete paving 5 blocks North 7th St., East 1st and Boston Aves., 25 ft. $28,416. Kinsey Eng. Co., Pekin, engrs.

Ill., Peoria—Soon takes bids asphalt on brick resurfacing 22 blocks South Washington St., 32 and 44 ft. $96,555. W. E. Backes, City Hall, engr.

Minn., Winona—Paving 33 blocks. $100,000. E. E. Chadwick, city engr.

Kan., Anthony — Harper Co. grading, culverts 8.919 mi. K 44, Federal Aid Project 361-B, 30 ft. H. K. Shideler, Anthony, engr.

Kan., Ashland—Clark Co., grading, bridging 12.2 mi. Rd. K12, 30 ft. T. J. Schall, Court House, engr.

Kan., Burlington—Coffey Co. preliminary plans grading, chat surfacing 6.938 mi. Rd. K12, Project 551, 30 ft. F. Wagner, Court House, engr.

Kan., Ft. Scott—Bourbon Co. soon takes bids bituminous macadam paving, 2 bridges, 4.613 mi. Hy. 73, Federal Aid Project 335-A. H. McCurley, Ft. Scott, engr.

Kan., Fredonia—Wilson Co. preliminary plans grading, bridging 7.379 mi. Rd. K47, Project 557; chat surfacing 0.951 mi. Rd. K96, Project 630. E. C. Baity, Court House, engr.

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Streets and Roads (Continued)

Kan., Garden City — Finney Co. soon takes bids grading 13.3 mi. U.S. Hy. 50-N, Project 568. B. L. Allen, Court House, engr.

Kan., Garnett—Anderson Co. soon takes bids grading 9 mi. Rd. K 6, Federal Aid Project 304, 30 ft. F. T. Bonebrake, Court House, engr.

Kan., Gates Center—Woodson Co. grading, culverts 6.22 mi. Federal Aid Project 367-C. $25,000 or more. H. O. Ashley, co. engr.

N. D., Grand Forks—Paving 15 blocks Paving Dists. 20 and 21. $40,000. E. L. Lium, city engr.

Kan., La Crosse—Rush Co. preliminary plans sand clay surfacing 17.2 mi. Rd. K96, Kansas Project 194. H. R. Miller, Court House, engr.

Kan., Marion—Marion Co. soon takes bids grading 12.5 mi. U.S. Rd. 50-N, Federal Aid Project 173, 30 ft. G. M. Hartsock, Court House, engr.

Kan., Meade—Meade Co., grading, culverts 11.052 mi. Federal Aid Project 406-A, 30 ft. To exceed $25,000. H. L. Gilman, Meade, co. engr.

Kan., Newton—Harvey Co. soon takes bids grading 11.5 mi. U.S. Rd. 50-S, Project 560. R. J. Justice, Court House, engr.

Kan., New Ulysses — Grant Co. soon takes bids sand clay surfacing 9 mi. Project 572, 4 mi. Project 573, and 16 mi. Project 574, 28 ft. C. W. Hickok, Court House, engr.

Kan., Tribune — Greeley Co., grading, culverts 16.019 mi. K. 96, Project 575, 30 ft. H. C. Snodgrass, Tribune, engr.

Kan., Yates Center—Woodson Co. soon takes bids sand surfacing 2.3 mi. U.S. Rd. 54, Project 602, and 6.29 mi. Project 603; grading 6.39 mi. Federal Aid Project 367, 30 ft. H. O. Ashley, Court House, engr.

South Dakota—State Hy. Comn., Pierre, grading 150,000 cu.yd. Hy. 15 from Sioux Falls to point 20 mi. north. $60,000. O. N. Hettle, ch. engr.

Mo., Butler—Preliminary plans grading, curbing, 6 in. concrete paving 7 blocks. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Mo., St. Louis—City Plan Com., widening Arsenal St. between Kingshighway and Jamieson St. $84,310; Bruno Ave. between Manchester Ave. and Benton Terrace $63,996; Canterbury Rd. between River Des Peres Parkway and city limits $11,950; Lee Ave.-Euclid Ave. cut-off $1,000; Manchester Ave. between Kingshighway and McCausland Ave. $467,691; Morganford Rd. between Arsenal St. and city limits $495,202; Vanderventer Ave. between Lucky St. and alley south of Kennerly St. $95,732; Wells Ave.-Hodiamont Ave. cut-off $22,942; Hampton-Billon Ave. between Oakland and Gravois Sts. $205,074; Macklind Ave. between Finkman and Loughborough Sts. $28,025; Sarah Ave.-Easton Ave. cut-off $41,877; 7th St. between Market and Spruce Sts. $310,811; and 20th St. O-Fallon cut-off $51,846; Vandeventer Ave. between Market St. and Washington Ave. $596,015. H. Bartholomew, Municipal Bldg., engr.

Mo., Sikeston — Plans resurfacing North and South Kingshighway. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs.; soon takes bids grading, concrete paving 15,000 sq.yd. state highway through town.

Ark., Parkin—Preliminary plans grading, curbing, paving 12 blocks. $45,000.

Texas—State Hy. Dpt., Austin, grading, bridging 15 mi. hy. Henderson Co., $184,000, S. J. Treadway, Athens, engr.—10.168 mi. Foard Co., $60,000, B. Reese, Crowell, engr. —grading, bridging, surfacing 13,875 mi. Refugio Co., $90,000, R. E. Kilmer, Refugio, resident engr.—concrete paving 16.95 mi. Austin Co., $350,000, H. Schroeter, Belleville, engr. — grading, bridging, concrete paving 7.419 mi. Hudspeth Co., $220,000, F. E. Wilson, El Paso, engr.—grading, drainage, structures 6.418 mi. Wilbarger Co., $35,000. J. B. Nabors, Vernon, engr.

Tex., Halletsville—Lavaca Co. bituminous macadam or concrete paving 8.068 mi. Hy. 72, Federal Aid Project 542. $200,000. W. H. Koether, Yoakum, engr. Noted Mar. 29.

Tex., Lockhart—Caldwell Co., surveys, improving 22 mi. Hys. 80 and 3-A. $250,000 or more. Address M. U. Smith, Lockhart, co. judge.

Tex., Matador—Motley Co., grading, paving 28 mi. Hy. 18, south of here to Dickens Co. line and Hy. 28 across county. $300,000. Address J. F. Jordan, Matador, co. judge.

Tex., Newton — Newton Co. election, $150,000, grading, bridging, asphalt on gravel paving 18 mi. Hy. 45; total $450,000 of which $300,000 to be borne by State and Federal Aid. Address E. A. Lindsey, Newton, co. judge.

Oklahoma — State Hy. Dept., Oklahoma City, concrte paving 102,000 sq.yd. Hy. 33, $220,000 and 12,770 sq.yd. Hy. 40, $27,000, Payne Co.—grading 12 mi. Hy. 8, Caddo Co., 30 ft. $40,000. C. R. Mandigo hy. engr.

Oklahoma — State Hy. Dept., Oklahoma City, surveys, concrete slab surfacing 29,000 sq.yd. U. S. Hy. 75, Atoka Co. $60,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Comn., Oklahoma City, preliminary plans grading, 10 mi. Hy. 44, Garfield Co., 30 ft. $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 8, Comanche Co. 30 ft. $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans grading 15 mi. Hy. 48, Seminole Co. 30 ft. $60,000. C. R. Mandigo, hy. engr.

Okla., Alva—Grading, 8 in. concrete paving 8,700 sq.yd. Cherokee Ave. $27,760. F. H. Peckham, 132 East 14th St., Oklahoma City, engrs.

Okla., Chandler—Grading sheet asphalt paving 15,400 sq.yd. Lincoln and Logan Aves. $61,338. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Chickasha—Preliminary plans asphalt, sheet resurfacing 36,000 sq.yd. Oklahoma Ave. $75,000. R. O. Bradley, Chickasha, engr.

Okla., El Reno—Preliminary plans sheet asphalt resurfacing 19,000 sq.yd. Bickford Ave. $36,275. E. W. Fassett, El Reno, engr.

Okla., Guthrie — Sheet asphalt resurfacing 31,000 sq.yd. Oklahoma Ave. $61,670. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Hitchcock — Preliminary plans grading, concrete paving 7,400 sq.yd. Main St. $28,000. E. A. Jones, Enid, engr.

Okla., Lawton—Grading, concrete paving 14,700 sq.yd. South Boundary St. $144,275. G. Dale, engr.

Okla., Mangum—Grading, concrete paving 10,600 sq.yd. Dist. 18. $35,110. E. W. Gantt, 1116 West Main St. Oklahoma City, engr.

Okla., Newkirk—Kay Co. grading 3.61 mi. Hardy Rd., 30 ft. $30,000. J. S. Clark, Newkirk, engr.

Okla., Okeene—Grading, concrete paving 8,400 sq.yd. Blaine, Kiowa, and Apache Sts. $29,207. E. A. Jones, Enid, engr.

Okla., Oklahoma City—Grading, concrete paving 7,200 sq.yd. South 27th St. $30,642. W. W. Small, City Hall, engr.

Okla., Oklahoma City — Widening, sheet asphalt paving 11,000 sq.yd. South Robinson Ave. $66,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 7,300 sq.yd. Culbertson Dr., $36,675; grading, concrete paving 9,100 sq.yd. Kelly Ave., $29,400; 4 ft. sidewalks 60 blocks Gatewood adition, $32,000. W. W. Small, City Hall, engr.

Okla., Okmulgee—Grading, concrete paving 8,700 sq.yd. Highland St. $27,482. W. C. Halleck, City Hall, engr.

Okla., Tahlequah — Grading, concrete paving 10,400 sq.yd. Downing St. $30,810. A. Covell, city clk. Engineer not selected.

Okla., Tulsa—Tulsa Co. surveys widening 3 mi. West Tulsa Rd., 12 ft. $40,000. H. A. Parker, Tulsa, co. engr.

Okla., Tulsa—Grading, sheet asphalt paving 8,200 sq. yd. Xanthus Ave. $31,660. B. M. Hart, City Hall, engr.

Okla., Tulsa — Widening, curbing, sheet asphalt paving 8,200 sq.yd. 6th St., $41,710; grading, paving 9,300 sq.yd. Birmingham St., $37,377. B. M. Hart, City Hall, engr.

Okla., Watonga—Blaine Co. preliminary plans grading 11 mi. Okeene-Loyal Rd., 30 ft. $45,000. C. W. Simonds, Watonga, engr.

Okla., Watonga — Grading, paving 10 blocks Bickford and Arapho Sts., 30 ft. $34,273.

Okla., Woodward—Grading, concrete paving 12,000 sq.yd. 10th St. $36,370. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Yukon—Grading, concrete paving 7,650 sq.yd. Dist. 4. $28,177. C. A. Wood, Stillwater, engr.

California—State Hy Comn., Sacramento, grading 806,000 cu.yd. road between San Francisco city limits and South San Francisco, San Mateo Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Laguna Beach — Asphaltic concrete paving 1st, 2nd and 3rd Sts. To exceed $25,000. A. J. Stead, city engr.

Calif., Oakland—Grading, curbing, guttering, paving Excelsior Ave. Hopkins St. To exceed $75,000. G. N. Randle, city engr.

Calif., San Francisco—Grading, walks, concrete, asphaltic concrete paving 11,720 cu.yd. Girard St. $30,000. M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Grading, sidewalks, initial paving 1.8 mi. Junipero Serra Blvd. $500,000. M. M. O'Shaughnessy, city engr.

Calif., Southgate — Concrete curbing, walks, street lighting, Deeble and Dearborn Aves. To exceed $25,000.

Ontario—Town of Sudbury and International Nickel Co.-Cuppercliffe Mond Nickel Co., macadam or gravel paving 3 mi. road between Sudbury and Frood. $25,000. F. C. Lane, Town Hall, Sudbury, engr.

Ontario — Dpt. Northern Development, Parliament Bldgs., Toronto, claering, grading, clay, gravel, paving 16.8 mi. road between Smooth Rock Falls and Driftwood. $100,000. C. H. Fullerton, Parliament Bldgs., Toronto, engr.

Ont., Fonthill—Concrete curbing, guttering, bituminous paving 16,000 sq.yd. Canboro and South Pelham Rds. $50,000. Ontario Eng. Co., Queen St., Fort Erie, engrs.

Ont., Haileybury—Concrete curbing, guttering, asphalt, concrete, bitulithic or macadam paving 1½ mi. Main St., Lake Shore Rd., Rorke and Ferguson Aves. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Orangeville—Concrete curbing, guttering, concrete, asphalt or bitulithic on concrete paving 3 mi. $150,000. Engineer not selected.

Ont., Oshawa—Concrete curbing, guttering, sidewalks, sheet asphalt paving 45,000 sq.yd. streets. $225,000. W. C. Smith, Municipal Offices, engr.

Ont., Peterborough — Concrete curbing, guttering, asphalt and concrete paving 10,000 sq.yd. $40,000. R. H. Parsons, Municipal Offices, engr.

Ont., Stratford — Concrete, asphalt or bitulithic paving Caledonia St., Ballantyne and Avondale Aves., $23,425; macadam paving Albert, Crooks and Brunswick Sts., $24,335. Est. $25,000. Work will probably be done by day labor. A. B. Manson, City Hall, engr.

Ont., Toronto—York Twp. concrete, asphalt or bitulithic paving 4,000 sq.yd. Bexley Crescent. $25,703. F. B. Goedike, 40 Jarves St., engr.

Ont., Walkerville—Soon takes bids concrete curbing, guttering, concrete, asphalt or bitulithic paving 1 mi. 4 avenues. $35,000. H. W. Paterson, Walkerville, engr.

Ont., Walkerville — Concrete paving 4 roads. $60,000. A. Patterson, City Hall, engr.

Bids Desired

Maine—July 10, by State Hy. Dpt., Augusta, bituminous macadam paving 2.61 mi. highway in Fort Fairfield and Presque Isle —gravel paving 8.5 mi. Strong, Dixfield, Abbot and Perry—concrete paving 7.63 mi. Hamden, Scarboro and Falmouth—concrete or bituminous macadam paving 3.89 mi. Saco and Scarboro. L. D. Barrows, ch. engr.

New Hampshire—July 13, by State Hy. Dpt., Concord, 6 in. one course—rein.-con. on earth fill paving 18,226 sq.yd. hy. in Tamworth, $67,000—3 in. bituminous macadam on 8 in. gravel paving 1.601 mi. Center—Harbor, $47,000—6 in. one course concrete on 8 in. gravel paving 21,082 sq.yd. Claremont, $73,000—3 in. on 6 in. gravel paving 1.29 mi. Belmont, $2,800. J. H. Noble, hy. engr.

Massachusetts—July 10, by Dpt. P. Wks., Boston, bituminous macadam paving 59,781 ft. in Groveland, Florida. Newburyport, Brimfield, Monson, Blanford — rein.-con. paving 3,300 ft. in Littleton and Palmer—bituminous concrete paving 6,675 ft. in Harwich—bituminous macadam or rein.-con. and bituminous macadam paving 18,544 ft. Dartmouth and Westport—gravel and bituminous macadam paving 3,150 ft. Blackstone. W. F. Williams, comr.

Mass., Boston—July 6, by Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt or bitulithic paving Arlington St. Ward 5. $25,000.

Mass., Longmeadow (mail Springfield)—July 16, by Bd. Selectmen, 417 Longmeadow St., constructing 5,054 lin.ft. road Durkee, White & Towne, 7 Hampden St., Springfield, engrs.; adv. E. N.-R. July 5.

N. Y., Brooklyn—July 11, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Alabama Ave., East 43rd and West 4th Sts.; grading, curbing, bituminous macadam paving West 5th St.; grading, sheet asphalt on 6 in. concrete paving Empire Blvd., Dahill Rd., Avenue T, 9th Ave. East 18th, East 39th, East 43rd, West 4th, West 10th, West 11th, 58th and 63rd Sts.; grading, flagging Milord St.

N. Y., Long Island City — July 9, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading Addison Pl. and 112th Sts.; sidewalks 118th (Church) St.; grading, sheet asphalt on concrete paving Edgemore and Griffith Aves., 112th, 118th (Church) Sts.; grading, curbing, granite block on concrete paving North Jane St. constructing bulkhead on Brookville Blvd. (Fosters Meadow Rd.)

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Streets and Roads (Continued)

N. Y., New York—July 9, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving 8th St.; grading, curbing, asphalt block on concrete paving Payson Ave.; granite block on concrete paving Beak and Staff Sts.

N. Y., New York—July 11, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bituminous concrete on concrete paving Lacombe Ave. and East 212th St.; grading, curbing, sidewalks, sheet asphalt on concrete paving Victor and East 181st Sts., Boynton, Leland, Barnes and Gleason Aves.

N. Y., New York—July 12, by J. Miller, pres., Manhattan Boro, Municipal Bldg., grading, granite block on concrete repaving Spring, Beach, Mail and 207th Sts.; grading, curbing, sheet asphalt paving Dongan Pl., Arden and Isham Sts.

N. Y., St. George — July 11, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, bituminous concrete paving Henderson Ave.

N. J., Bergenfield—July 9, by Bd. City Council, Municipal Bldg., grading, curbing, 6 in. rein.-con. paving Coleman St., Pelham and Linden Pls. $25,000. D. C. Boswell, 128 North Washington Ave., engr.

N. J., Freehold—July 18, by Bd. Freeholders Monmouth Co., Court House, rein.-con. repaving 2.76 mi. Red Bank-Holmdel Rd., 44, Sect. 3. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. July 5.

N. J., Hillside (br. Newark)—July 11, by Twp. Com., Municipal Bldg., curbing, sheet asphalt on 6 in. concrete paving Irvington Ave. from North Ave. to Elizabeth City line. $25,000. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., Woodbury—July 16, by Bd. Freeholders Gloucester Co., Court House, rein.-con. paving 55,966 sq.yd. Mullica Hill-Pitman Rd. W. C. Cattell, Woodbury, co. engr.; adv. E. N.-R. July 5.

Pa., Ben Avon Heights (mail Pittsburgh)—July 12, by P. W. Root, boro secy., Banbury Lane, Pittsburgh, grading, curbing, paving. Blum, Weldin & Co., 417 Grant St., Pittsburgh, engrs.

Pa., Burgettstown—July 17, by C. W. Davidson, secy. Boro Council, grading, curbing, rein.-con. paving 7,869 sq.yd. Center and Church Aves., High, Frederick and Kerr Sts. I. E. Stone, Wierton, W. Va., boro engr.

Pa., Stockdale—July 16, by Boro Council, R. Maxon, secy., grading, concrete paving 8,800 sq.yd. Bow, Chestnut, Railroad and Locust Sts. McDonald & Bigler, Municipal Bldg., Charleroi, boro engr.

Delaware—July 24, by State Hy. Dpt., Dover, grading, concrete paving (slag aggregate), 2.21 mi. Contr. 110—2.73 mi. Contr. 111—3.661 mi. Contr. CS 64—Broadkill Bridge, Contr. 53D—2,200 lin.ft. woven wire guard rail erection, Contr. 24-D; adv. E. N.-R., July 5.

Maryland—July 10, by State Roads Comn., Baltimore, hot and cold bituminous resurfacing 0.4 mi. Contr. P-21-B, Prince George Co.—concrete shoulders on 2.32 mi. Contr. C1-5-A, Carroll Co.—2.05 mi. Contr. H-2-B, Harford Co.—concrete shoulders, concrete paving 4.48 mi. Contr. 48-C, Allegany Co.—concrete shoulders 1.93 mi. Contr. W-57, Washington Co.—graveling 2 mi. Contr. Sm-42, St. Marys Co.—concrete paving 4.7 mi. Contr. AA-59, Anne Arundel Co.—penetration macadam resurfacing 2 mi. Contr. M-113, Montgomery Co. J. N. Mackall, chn.

Maryland — July 17, by State Roads Comn., Baltimore, concrete paving 1 mi. Contr. M-98—0.89 mi. Contr. M-89—penetration macadam paving 2 mi. Contr. M-102—2 mi. Contr. M-96, all in Montgomery Co. J. N. Mackall, chn.

Md., Baltimore—July 11, by Bd. Awards, concrete paving 17,700 sq.yd. Contr. 470; sheet asphalt paving 22,500 sq.yd. Contr. 471. N. L. Smith, Municipal Office Bldg., hys. engr.

Virginia—July 17, by State Hy. Comn., Richmond, improving roads on Projects F-259-D-C, S-410-A-C, S-464-D.E.S.B-2 and S-524; bridges on Projects S-206-B-1, F-259-B-E and F-259-B-4; adv. E. N.-R., July 5.

W. Va., New Martinsville—July 14, by Wetzel County Court, grading, alternate types surfacing 3.1 mi. Proctor Dist. Bond Project 1.4 mi. Project 3390-A; Projects 1 and 4, Magnolia Dist.; 2 sections Smithfield-Marion Co. line Rd., Grant Dist. G. A. Harman, clk.

W. Va., New Martinsville — July 21, by Wetzel Co. Court, G. A. Harman, clk., surfacing 2½ mi. Project 3-A, and 3 mi. Project 3-B.

Ala., Birmingham — July 24, by City Comn., 2 in. asphalt on 6 in. concrete paving 1 block Georgia Rd. $3,015, 5 blocks 4th Terrace W. $20,000, 2 blocks Avenue P $9,400; cement sidewalks, concrete curbing, guttering, 2 in. asphalt on 6 in. concrete paving 9 blocks Rugby Ave. 81st Pl. S. $48,000. 2 blocks 2nd Ave. S. $13,600, 200 ft. 7th Ave. S. $3,015; and 1 block 21st St., Ensley $5,800. A. J. Hawkins, city engr.

La., Mandeville — Taking bids grading, asphalt paving 8,000 ft. Lake St. A. E. Manent, mayor.

O., Akron—July 13, by Comrs. Summit Co., grading, traffic bound or slag or limestone paving 1.9 mi. Gillie Rd., 18 ft. $25,000.

Illinois—July 18, by State Dpt. P. Wks. & Buildings, Div. Hys. Springfield, concrete, vitr. brick or bituminous concrete with or without binder course paving 0.72 mi. Route 3, Sect. 85 Schuyler Co.—1.1 mi. Route 7, Sect. E-1, La Salle Co.—0.75 mi. Routes 7 and 29, Sects. R-4-G, Bureau Co.—0.47 mi. Route 9, Sect. 24-G, and 1.45 mi. 25-G, Hancock Co.—0.65 mi. Route 9, Sect. 38-G and 1 mi. 39-G, Fulton Co.—1.52 mi. Route 13, Sect. 15-X and 0.61 mi. Sect. 16-X, Perry Co.—0.5 mi. Route 19, Sect. 25-X and 0.25 mi. Route 20, Sect. 14-X, McHenry Co.—0.84 mi. Route 24, Sect. 11-G, Tazewell Co.—0.45 mi. Route 25, Sect. 22-X, Douglas Co.—8.1 mi. Route 47, Sect. 125, Livingston and Ford Counties—11.67 mi. Route 48, Sect. 128 Macon Co.—6 mi. Route 49, Sect. 144 Cook Co.—8.1 mi. Route 49, Sect. 138, Cook Co.—11.9 mi. Route 71, Sect. 116, De Kalb Co.—6.7 mi. Route 72, Sect. 120, Ogle Co.—6.54 mi. Route 75, Sect. 115, Winnebago Co.—7.76 mi. Route 76, Sect. 115, Whiteside and Henry Counties—5.7 mi. Route 78, Sect. 128, Stark Co.—4.6 mi. Route 78, Sect. 129, Starke and Peoria Counties—6.09 mi. Route 80, Sect. 123, Knox and Henry Counties—5.1 mi. Route 113, Sect. 113, Will and Grundy Counties—6.3 mi. Route 116, Sect. 120, Iroquois Co.—10.79 mi. Route 128, Sect. 101, Shelby Co.—6.33 mi. Route 142, Sect. 102, Effingham Co. 5 mi. Route 148, Sect. 129, Franklin and Williamson Counties—2.67 mi. Route 151, Sect. 110-X, Randolph Co.—6.76 mi. Route 173, Sect. 133, HcHenry Co.—grading 0.5 mi. Route 24, Sect. J-S, Tazewell Co.—4.8 mi. Route 47, Sect. 123-A. Livingston Co.—0.55 mi. Route 48, Sect. 127-A, Macon Co.—9.62 mi. Route 110-A and 9.3 mi. Route 75, Sect. 111-A, Stephenson Co.—2.16 mi. Route 94, Sect. 112-A, Hancock Co.—9.46 mi. Route 140, Sect. 105-A, White Co.—5.26 mi. Route 142, Sect. 101-A Effingham Co.—1.5 mi. Route 148, Sect. 129-A, Williamson and Effingham Counties—0.28 mi. Route 149, Sect. 105-A, Franklin Co.—3.83 mi. Route 150, Sect. 118-A, Randolph Co.—9.6 mi. Route 166, Sect. 101-A, Williamson and Johnson Counties. F. T. Sheets, ch. hy. engr.

Ill., Estherville—July 11, by Bd. Trustees Jack Creek Twp., at office Auditor Emmet Co., graveling 6 mi. Emmet-Kossuth Co. Hy.; grading 5 mi. F. A. Macdonald, Estherville, co. engr.

Wisconsin—July 10, by State and Grant Co. Hy. Comns., Court House, Lancaster, grading, 20 ft. concrete paving 1.726 mi. Federal Aid Project 209, Dubuque-Platteville Rd., U. S. Hy. 61. T. W. Reilly, div. engr.

Iowa—July 10, by State Hy. Comn., Ames, grading, paving, culverts, 35,284 sq. yd. U. S. Rd. 61, incl. 13 flumes, F. A. 17, Dubuque Co.—227,882 sq.yd. Rds. 9 and 59 incl. 23 flumes, P. 590, Howard Co.—50,222 sq.yd. U. S. Rd. 65, P-596, Warren Co.—graveling 20 mi. Rd. 27, P-39 and F-192, Plymouth Co.—1.36 mi. Logan Rd., F-14, Harrison Co.—grading 24,422 mi. Maquoketa Rd., P-532-A and C, Jackson Co.—9.723 mi. Rd. 32, P-577-A, Pottawattamie Co.—3,175 ft. cable guard rail and 30 anchors, Rds. 15 and 60, P-79, A and C, 1,925 ft. cable guard rail, 16 anchors on Rd. 20, P-254, Hamilton Co.—5,200 ft. guard rail, U. S. Rd. 61, F. A. 301, Des Moines Co. R. F. White, hy. engr.

Ia., Dysart—Bids about July 24, rein.-con. paving 8 blocks, 24 and 50 ft. $29,000. D. F. Harrington town clk.

Ia., Primghar—July 12, at office Auditor O'Brien Co., graveling 11 mi. Sheldon-Marcus Rd.; 4 mi. Caledonia Twp. Rd. W. L. Anderson, Primghar, co. engr.

Minnesota—July 17, by State Hy. Comn., St. Paul (**S.P. means State Project**), graveling 30,900 cu.yd. S.P. 12-25—36,800 cu.yd. S.P. 40-21, Sect. 2—23,400 cu.yd. S.P. 50-21—27,700 cu.yd. S.P. 62-21—and 21,000 cu.yd. S.P. 63-22, Div. 6.

Kan., Garden City—July 13, by Clerk Finney Co., sand gravel surfacing 17.414 mi. Projects 22-8-K 26 and 22-9- K 27. Noted June 28.

Kan., St. Johns—July 31, by Clerk Stafford Co., grading, culverts, sand gravel surfacing 5.303 mi. U.S. 50S, Project 566, 30 ft. J. Starke, St. Johns, engr.

N. D., Grand Forks—July 11, by C. J. Evanson, city aud., concrete, asphaltic concrete, bitulithic or vibrolithic concrete paving 32,000 sq.yd. Cherry and Oak Sts. $85,000. E. L. Lium, city engr.

Missouri—July 6, by State Hy. Comn., Jefferson City, grading, graveling, concrete paving 20 projects in Benton, Bollinger, Holt, Iron, Jasper, Monroe, New Madrid, Nodaway, Pemiscott, Phelps, St. Francois and Stoddard Counties. T. H. Cutler, ch. engr.

Tex., Ft. Stockton — July 17, by R. D. Bloydes, mayor, brick, vibrolithic of asphalt paving 17,460 sq.yd. $60,000. Montgomery & Ward, Wichita Falls, consult. engrs. Noted May 10.

Okla., Chickasha — July 12, by C. A. Chinchall, city clk., grading, concrete paving 42,700 sq.yd. $127,000. R. O. Bradley, Chickasha, engr.

Okla., Seminole—July 10, by P. Noe, city clk., grading, 7 in. concrete paving 7,000 sq.yd. Douglas, Walnut or Churn Sts. $28,144. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Nevada—July 11, by State Hy. Comn., Carson City, furnishing, applying 274,549 gal. asphaltic fuel oil on crushed rock or gravel on 16.85 mi. Route 2, Sects. C 3, D 1 and D, White Pine Co. S. C. Durkee, hy. engr.

Arizona — July 10, at office State Hy. Comn., Phoenix, grading 21,000 cu.yd., surfacing 3,200 sq.yd., bridging Rice-Springerville Hy., Schedule 1. W. C. Lefebvre, hy. engr.

California—July 18, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 2.1 mi. road between Fortuna and Fernbridge, Humboldt Co.—grading, screened gravel surfacing 12.5 mi. road between Bieber and Adin, Lassen and Modoc Counties—grading road between Indian Springs and Soda Springs, Placer and Nevada Counties—widening 5.1 mi. roadbed between Cherokee Lane and Live Oak, San Joaquin Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., San Francisco—July 11, by Bd. Pub. Wks., grading oil waterbound macadam paving 933,000 sq.yd. Great Hy. between Lincoln Way and Sloat Blvd. $150,000 or more.

Bids Received

Massachusetts—Dpt. Pub. Wks., Boston, June 26, bituminous macadam paving 15,868 ft., hy. in Amherst and Hadley, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $97,256—17,053 ft. Dighton and Taunton, from C. E. Horne, Millbury, $113,171—2,400 ft. Burlington, from Kelsey Constr. Co., 161 Massachusetts Ave., Boston, $8,854—graveling, bituminous macadam paving 6,000 ft. Freetown, from C. E. Horne, Millbury, $13,418. Noted June 21.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, heavy foundation paving 3.77 mi. Center Line Rd., C.A.T.H. 175, from East Aurora Gravel & Excav. Co., East Aurora, $99,500; 1.42 mi. Transit Rd. extension, Part 2, G.M.S. C.A.T.H. 206, from Meyer & Meyer Corp., 21 Transit Rd., Depew, $66,632.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, June 27, grading, granite block repaving Hyland Blvd., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $48,289. Noted June 21.

N. J., Hillside (br. Elizabeth)—Twp. Com., Town Hall, grading, curbing, sheet asphalt on concrete paving Salem Ave. from Ridgeway Ave to Elizabeth City line, from Loprete Asphalt Co., 423 Amherst St., East Orange, $101,090. Est. $110,000.

N. J., Hillside (br. Elizabeth)—Twp. Com., Municipal Bldg., June 20, from J. F. Chapman & Son, 1439 North Broad St., curbing, sheet asphalt on concrete paving Cram and Ridgeway Aves. $24,663, Harwood Ave. $23,370, Maple Ave. $63,255.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt on concrete repaving Henderson St., from Lettieri & Bellezza Co., 40 Journal Sq., 81.75%, $206,800 appropriation.

N. J., Midland—Twp. Comn., Municipal Bldg., Rochelle Park, June 18, curbing, bituminous macadam paving Collins, East Forest and East Terrace Aves., from Toriello & Sansone Constr. Co., 28 Essex St., Hackensack, $12,071; storm drains in above, from Midland Constr. & Contg. Co., Inc., Rochelle Park, $13,193. Noted June 14.

N. J., New Milford—Bd. Boro Council, Municipal Bldg., June 19, grading, asphalt bound macadam paving Charles St., from Wheil Constr. Co., New Milford Rd., Oradell, $27,219. Noted June 7.

N. J., Trenton—Bd. Freeholders Mercer Co., June 26, paving Washington's Crossing-Bear Tavern Rd., from Union Paving Co., 123 South 21st St., Phila., Pa., $108,000.

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Streets and Roads (Continued)

Maryland—State Roads Comn., Baltimore, June 26, concrete shoulders on 4 mi. Contr. HO-56, Howard Co., from Thomas, Bennett & Hunter, Westminster, $85,270—2 mi. Contr. M-23-A, Montgomery Co., from H. E. Bester, Hagerstown, $13,359—1.7 mi. Contr. AA-7-A, Anne Arundel Co., from I. Gudelsky, Overlea, $8,572—1.7 mi. Contr. 366-A, Cecil Co., from G. A. Atkinson, Port Deposit, $12,524—0.34 mi. Contr. Wo-57, Worcester Co., from Hannemann-Burroughs Co., Salisbury, $2,342—1.38 mi. Contr. Ho-55, Howard Co., from M. J. Grove Lime Co., Lime Kiln, $26,412—penetration macadam paving 1 mi. Contr. M-90, Montgomery Co., from P. E. Russell, Frederick, $30,446 — concrete shoulders, penetration macadam resurfacing 1.08 mi. Contr. B-91, Baltimore Co., from H. T. Campbell & Sons, Towson, $25,756. Noted June 14.

North Carolina—State Hy. Comn., Raleigh, June 19, from N. L. Teer, Durham, grading, topsoiling 8.96 mi. Project 621, Cabarrus Co. $59,680; 9 mi. Project 807, Avery Co., $105,519; 5.79 mi. Project 6502 A and C, Mecklenburg Co., $35,733—from W. E. Graham, Mt. Ulla, 3.8 mi. Project 709, Alleghany Co., $80,190, 5.04 mi. Project 7590, Surry Co., $55,514—from W. C. Carter, Mebane, 11.78 mi. Project 6911, Union Co., $59,334—from C. A. Ragland, Louisburg, 6.68 mi. Project 1660, Northampton Co., $44,399—from Beal Bros., Bear Creek, 4.02 mi. Project 3360, Cumberland Co., $25,622—from Hudson & Scruggs, Wilmington, grading, concrete or asphaltic concrete paving 15.15 mi. Project 3350, Columbus Co., $199,613—from F. J. McGuire, Norfolk, Va., 5.5 mi. Project 2710, Sampson Co., $104,433 — from Gregory & Weisiger, Pittsboro, 4.26 mi. Project 4300, Granville Co., $89,173—from W. F. Bowe, Jr., 541 Broad St., Augusta, Ga., 3.22 mi. Project 468 Person Co., $83,995—from R. C. Stevens, Asheville, 7.71 mi. Project 9001, Buncombe Co., $178,758 — from Powell Paving Co., Winston-Salem, 5.04 mi. Project 7380, Forsyth Co., $102,427 — from Porter & Peck, Orlando, Fla., 17.81 mi. Project 1900, Tyrell Co., $95,710. Noted June 14.

South Carolina—State Hy. Dpt., Columbia (**F.A.P. means Federal Aid Project and S.P. State Project**), June 27, paving 11.3 mi. U. S. Route 1, F.A.P. 37-A, Aiken Co., from F. J. McGuire, Durham, N. C., $260,592—4.3 mi. Route 78, F.A.P. 290, Aiken Co., from Concrete Constr. Co., Columbia, $89,697—1.5 mi. U. S. Route 17, F.A.P. 288-C, Beaufort Co., from Coastal Constr. Co., Florence, $37,113—0.831 mi. Route 2, F.A.P. 28-E, Oconee Co., from Claussen-Lawrence Constr Co., Augusta, Ga. $24,102—11 mi. Route 2, S.P. 683, Chester Co., from B. H. Martin, Easley, $277,620—3.6 mi. Route 176, S.P. 702, Union Co., from Ziegler Bros., Greensboro, N. C., $104,686—4.5 mi. Route 2, F.A.P. 64, reopened Lexington Co., from Pennel & Harley, Inc., Spartanburg, $90,741—grading, sand clay surfacing 3.3 mi. Route 35, S.P. 563, Chesterfield Co., from Turner Constr. Co., Florence, $17,484—8.3 mi. Route 39, S.P. 585-A, Barnwell Co., from J. F. Cleckley, Cope, $27,883—10.6 mi. Route 64, S.P. 644-A and B, Barnwell and Bamberg Counties, and 13.07 mi. Route 24, S.P. 589-F, Bamberg Co., from Franklin Constr. Co., Apalachicola, Fla., $38,831 and $48,876 respectively—grading, topsoiling 11.2 mi. Route 284, S.P. 667, Greenville Co., and 8.2 mi. Route 7, F.A.P. 235-G, Chester Co., from Brooks-Calloway Co., McGlawn-Brown Bldg., Atlanta, Ga., $82,619 and $67,791 respectively—2.7 mi. Route 215, S.P. 646-C, Chester Co., from Ruff Constr. Co., Columbia, $22,667—gravel surfacing 3.2 mi. U. S. Route 17, S.P. 591-B, Charleston Co., from Roberts & Johnson, Jacksonboro, $17,625—marl and sand clay surfacing 4.7 mi. Route 46, S.P. 710, Berkeley Co., from Conard Constr. Co., Florence, $25,904—surface treating 50.69 mi. Routes 3, 78 and 37, F.A.P. 204-72-117-151-139 and 169, Barnwell Co., from C. G. Fuller, Dover, O., $375,530. Noted June 14.

O., Cleveland—Cuyahoga Co., grading, curbing, guttering, concrete paving 3.71 sq.yd. McCracken Rd. 3, from Highway Constr. Co., Guarantee Title Bldg., $20,422; paving 21,500 sq.yd. Chardon Rd. 4, from Gould & Maybach, 16311 Saranec Rd., sheet asphalt $67,467, asphaltic concrete $60,040. Noted June 28.

Mo., St. Louis—Bd. P. Serv., City Hall, June 19, from Perkinson Bros. Constr. Co., 3237 Carter Ave., rein.-con. paving 2,500 sq.yd. Chippewa St. between Grand and Bamberger Sts. $12,565 3,900 sq.yd. Chippewa St. between Gravois and Morganford Aves. $19,038. 1,900 sq.yd. Chippewa St. between Bamberger and Gravois Sts. $9,296; from Skrainka Constr. Co., Security Bldg., 4,260 sq.yd. Lansdowne St. $20,227; from M. L. Flinn Paving Co., 728 South Teresa Ave., asphalt paving 441 sq.yd. McKinley Plaza $24,048, asphaltic concrete paving 2,440 sq.yd. Genevieve St. $15,164, amiesite paving 13,510 sq.yd. Fyler Ave. $76,435, 6,435 sq.yd. Montgomery St. $42,113; from W. A. Riley, 110 North 7th St., rein.-con. paving 1,750 sq.yd. Leona St. $7,025; from Eyerman Contg. Co., 1216 South Grand Blvd., rein.-con. paving 1,700 sq.yd. Oregon St. $12,369; from Central Paving & Constr. Co., 411 North 7th St., warrenite bitulithic paving 2,680 sq.yd. Wren Ave. $17,815; from Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 7,250 sq.yd. Euclid St. $1,585, and 8,880 sq.yd. Goodfellow St. $26,568. Noted June 7.

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Contracts Awarded

Me., Hermon—Concrete paving 0.36 mi. hy., to Wyman & Simpson, Augusta, $32,563. Noted June 28.

New Hampshire—State Hy. Dpt., Concord, 3 in. bituminous macadam on 8 in. Field stone paving 1.087 mi. hy. in Exeter, to A. W. Loud, Quincy, Mass., $34,798. Est. $45,000. Noted June 14.

Massachusetts—Dpt. P. Wks., State House, Boston, graveling, bituminous macadam paving 4,472 ft. hy. Rochestr, and 4,200 ft. Holden, to Reynolds Bros., Inc 179 Summer St., Boston, $14,923 and $15,240 respectively—bituminous macadam paving 4,350 ft. Lexington, to M. McDonough, Swampscott, $38,226—3,100 ft. Rehoboth, to G. L. McNeil, North Dighton, $16,992—bituminous concrete paving 4,600 ft. Brewster, to A. W. Jones, Barnstable, $18,534. Grand total $103,915. Noted June 14.

Massachusetts — Dpt. P. Wks., Boston, 7,019 ft., bituminous macadam paving in Amesbury, to F. Lanza & Sons, Pemberton Sq. Bldg., Boston, $156,465.

Mass., Boston — Dpt. P. Wks., sheet asphalt paving Boylston St., to B. E. Grant Co., 100 Floyd St., Roxbury, $35,470. Noted June 14.

Mass., Marblehead—Bd. Selectmen, sheet asphalt paving Nashua St., to O. Meneci, 27 Martineck Ave., Peabody. Est. $25,000. Noted Apr. 12.

Rhode Island—State Bd. P. Roads, Providence, bituminous macadam paving 2.3 mi. Contr. 2,806, Portsmouth, to Callen Constr. Co., Bristol, $78,421. Noted June 14.

Connecticut — State Hy. Dpt., Hartford, rein.-con. paving 5,059 ft. hy. in Ansonia, to D. V. Frione & Co., 505 Grand Ave., New Haven, $40,744—3,153 ft. Waterbury, to Altierei & Petrucconi, Waterbury, $25,060—16,350 t. rein.-con. and 15,840 ft. experimental paving Suffield, to Lane Constr. Corp., 37 Colony St., Meriden, $245,392—macadam paving 3,725 ft. Granby, to P. Suzio & Staff, New Britain, $20,098—bituminous macadam paving 7,756 ft. New Haven, to New Haven Road Constr. Co., New Haven, $32,779—waterbound macadam paving 14,600 ft. Bethlehem, to J. Mascetti, Torrington, $76,287—paving 6,791 t. Rocky Hill, to New Haven Road Constr. Co., Inc., 70 Colony St., New Haven, $27,767 — waterbound macadam paving and bridge superstructure Beacon Falls, to E. J. Durrschmidt, Derby, $25,769—waterbound macadam paving 5,982 ft., and grading 3,230 ft. Saybrook, to F. Arrigoni & Son, Middletown, $62,707 — trap rock waterbound macadam paving 15,270 ft. Enfield, to Lawton Constr. Co., Providence, R. I., $67,542—5,996 ft. Wethersfield, to Hagan-Thibodeau Constr. Co., Eden Park, R. I., $32,068—2 bridge superstructures in Woodbury, to Berlin Constr. Co., Berlin, $22,443—2 bridges in Sterling, to F. D. Miller, Norwich, $8,749. Grand total $603,369. Noted June 14.

N. Y., Brooklyn—J. J. Bryne, pres. Brooklyn Boro, Boro Hall, Persicano Constr. Co., 350 Fulton St., sidewalks on 60th st. $3,094; to T. V. Scott, 671 Halsey St., grading Barbey St. $1,320, East 46th St. $1,343 and Rockaway Parkway $1,794; to G. M. Mandato, 201 Neck Rd., 7th Ave. $2,982; to M. J. Grant, 125 Montague St., granite block paving Flushing Ave., $79,995; to Meehan Paving Constr. Co., 90 West St., New York, sheet asphalt paving Crescent Pl. $2,121 to B. Turecamo Contg. Co., 8706 16th Ave., Dahill Rd., $8,189, East 3rd St. $7,800, and West 33rd St. $6,741; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving 1st Court $3,603, West 6th St. $26,434, 4th Ave. $142,702, 9th Ave. $2,497, 13th Ave. $8,613; to W. J. McHale Contg. Co., 1250 Jefferson Ave., grading, paving East 94th St. $62,261. Grand total $361,489. Noted May 31.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, 4 in. granite block on concrete paving 1st Ave., to Meehan Paving & Constr. Co., 90 West St., $17,276; Grand St., to Casper Helbock Co., 633 Wales Ave., $118,790; Duane St., to W. J. Fitzgerald, 547 West 45th St., $21,614. Grand total $157,[illegible]. Noted June 28.

N. J., East Orange—Bitiluthic paving North 17th St., to Standard Bitulithic Co., foot Brill St., Newark, $32,000.

N. J., Harrington Park—Paving, Highway Norma and Florence Rds., to Burns & Hall, Park Ave., Dumont, $52,500. Noted Jan. 28.

N. J., Linden — Common Council, City Hall, curbing, sheet asphalt on 6 in. concrete paving Ingalls Ave., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $19,244; Monmouth Ave., to J. F. Burke, 305 Park Ave., Plainfield, $16,894.

N. J., Lyndhurst (br. Rutherford)—Twp. Town Comrs., Town Hall, bituminous macadam paving Thomas Ave., to A. Weyersberg, 634 Valley Brook Ave., $20,[illegible]. Noted June 28.

N. J., Teaneck (mail West Englewood)—Township Comn., Municipal Bldg., grading, 6 in. single line rein.-con. paving North St. from Larch to Chestnut Aves., to Sanna-Kanova Co., Rochelle Park, 84% $26,[illegible] appropriation.

N. J., Union—Township Com., Town Hall, curbing, 6 in. rein.-con. paving Kelly, Barbara, Plane and High Sts., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $43,453. Noted June 14.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 76,192 sq.yd. Project 173-D, Luzerne Co., to Georges Constr. Co., Uniontown $516,484—91,955 sq.yd. Project 2815, McKean Co., to F. D. Ross, Bradford $502,152.

Pa., Beaver—See "Bridges."

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) Battersby St. $7,08[illegible], Front St. $37,191, Herbert St. $5,759; to Union Paving Co., 123 South 21st St., Island St. $22,752, Whitaker St. $8,604, asphalt repaving Chester St. $2,241, 10th St. $7,132, 23rd St. $33,820, redressed granite block repaving track area of Spruce St. $27,490, 40th St. $7,088, 63rd St. $8,79[illegible], asphaltic concrete repaving Germantown Rd., $23,581; to Eastern Asphalt Co., Penn Bldg., asphalt repaving Castor St. $2,996, Dauphin St. $9,682; to Municipal Constr. Co., Washington Square Bldg., Larchwood St. $16,985, 5th St. $20,999; to Mazzola & Marano, 739 South 7th St., redressed granite block repaving track area Baltimore St. $44,915, to Elkins Paving & Constr. Co., 834 North Holly St., South College St. $5,758, 58th St. $11,134, to Fish-Rutherford, Inc., 4058 Chestnut St., 63rd St. $27,582. Grand total $329,590. Noted June 7.

Md., Baltimore—Bd. Awards, sheet asphalt paving 15,900 sq.yd. Contr. 466, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $65,469; concrete paving 7,500 sq.yd. Contr. 467, to Mahoney Bros., 1111 Rutland Ave., $17,376. Noted June 14.

Md., Towson—Comrs. Baltimore Co., concrete paving 1.25 mi. Group 9, to H. T. Campbell & Sons, Towson, $34,777. Noted June 14.

W. Va., Cumberland—Amiesite on concrete paving Virginia Ave., to Cumberland Contg. Co., Cumberland, $26,167.

W. Va., Fairmont—For 7 in. limestone aggregate concrete paving Bentons Ferry Rd., to R. W. Fimble, $47,088; Colfax Rd., to A. Shuttle, Fairmont, $42,041. Noted May 24.

N. C., Charlotte—Widening, sheet asphalt paving 93,300 sq.yd., concrete paving 6,000 sq.yd. to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $390,374.

Miss., Pascagoula—Jackson Co., asphaltic concrete paving 2.89 mi., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn. $28,352; wire guard rail, to Cyclone Fence Co., Ft. Worth, Tex., $3,025. Noted May 31.

La., Bastrop—Morehouse Parish, graveling 7.25 mi. Project B, to W. O. McKeithen, Grayson, $24,215; 5,760 cu.yd. washed gravel or 8,640 cu.yd. sand clay gravel, f.o.b. Bastrop, to Monroe Sand & Gravel Co., Monroe, $12,685; No. 2 creosoted lumber and piling, to American Creosote Co., 1305 Dublin St., New Orleans, $1,200; rein.-con pipe, to Shearman Concrete Pipe Co., Shreveport, $537. Grand total $38,637.

La., New Orleans — Grading, curbing, guttering, permanent paving 11,420 sq.yd. 1st or Front Sts., to Southern Roads Co., Pioneer Bldg., Birmingham, Ala., $37,270.

Tenn., Jackson—Curbing, guttering, 6 in. concrete on plain concrete paving 13,000 sq.yd., to Y. Conger, Jackson, $40,400.

O., Akron—F. E. Swineford, dir. Pub. Serv., to T. E. McShaffrey Constr. Co., 173 South Forge St., grading, curbing, walks, paving 17,100 sq.yd. Akron-Massillon Rd., Texaco asphalt $99,641, 1,835 sq.yd. Dierz Ave., vitr. brick, $10,849, resurfacing 5,700 sq.yd. South Main St., Texaco asphalt $17,886; to Hollinger & Davidson, 435 South Bway., 3½ in. brick paving 15,230 sq.yd. Brittain Rd., $85,713; to Columbus Asphalt

Streets and Roads (Continued)

Paving Co., 304 Buckeye Bldg., Texaco asphalt paving 2,800 sq.yd. Andrus St. $14,040 and 4,000 sq.yd. Girard Ave., $18,722; to McAlonan Bros., 506 Woodland Ave., grading, concrete guttering, sewers Shaw Street al. $100,409. Grand total $347,266. Noted May 31.

O., Akron—Comrs. Summit Co., grading, curbing, 30 ft. brick and 20 ft. rein.-con., paving 2 mi. Romig Rd., to D. A. Phillips & Son, Ashland, limestone, $107,257. Est. $118,486. Noted May 24.

O., Akron—Summit Co., grading, concrete curbing, 12,000 sq.yd. concrete, widening existing brick pavement, South Main St., to Costigan Shroyer Co., Metropolitan Bldg., $60,640. Est. $67,000. Noted June 14.

O., Alliance — Bd. Control, widening, granite curbing, asphalt repaving State St., to General Asphalt Paving Co., Witters Bldg., Cleveland St. N.W., Canton, $67,573. Est. $65,000-$70,000. Noted June 28.

O., Cincinnati—Hamilton Co., grading, curbing, sidewalks, concrete paving 6,000 sq.yd. Ferguson Rd., to F. Franz & Sons, Cincinnati Ave., North Bend, $26,753; grading, tar bound macadam repaving 6,700 sq.yd. Lawyer Rd. and 21,000 sq.yd. Race Rd., to A. C. Pickelheimer, Newtonville, $18,748 and $48,705 respectively, 8,600 sq.yd. Delhi Rd., to Delhi Constr. Co., Sayler Park Station, $59,464, 12,300 sq.yd. Pfeiffer Rd., to J. S. Slone, 2312 Mound Ave., Norwood, $26,630, 11,200 sq.yd. Symmestown Rd., to O. E. Radabaugh, Cornell Rd., Hazelwood, $22,928, 14,400 sq.yd. Given Rd., to Craig & Jordan, Newtonville, $34,097. Grand total $237,325. Noted May 31 and June 21.

O., Cincinnati — Hamilton Co., grading, tar bound macadam repaving 2,000 sq.yd. Lenser Rd., to W. E. Pickelheimer, Newtonville, $35,600. Est. $41,265. Noted May 3.

O., Cleveland—Cuyahoga Co., grading, concrete curbing, guttering, concrete paving 28,600 sq.yd. Bennett Rd., to N. Siegal, 1668 Eddington Rd., $175,698.

O., Zanesville—Concrete paving Seborn Ave., to Payne Constr. Co., New Lexington, $25,528. Est. $25,000.

Ind., Elkhart—Concrete paving Greenleaf Blvd. and Michigan St., to Plummer Constr. Co., $48,034 and $25,542 respectively.

Ind., Mt. Vernon—Posey Co., concrete paving E. V. Spencer Rd., to G. J. Thomas, Mt. Vernon, $14,746; L. A. Pfeiffer Rd., to C. K. Knowles, Oliver, $30,777.

Mich., Detroit—Wayne Co., one course concrete paving 2 mi. Warren Ave. and Merriman Rd., to Bishop & Weir, 955 East Jefferson Ave. Est. $90,000.

Mich., Muskegon Heights — City Clerk, grading, concrete paving 17 blocks Summit Ave., Jefferson and 5th Sts., to O. P. Carpenter Contg. Co., 800 Sanford St., $28,753. Est. $30,000.

Ill., Franklin Park — Rein.-con. paving 53,750 sq.ft., to Bway. Constr. Co., 205 West Wacker Dr., Chicago, $327,567.

Ill., Glencoe—Grading, curbing, guttering, sewers, 8 in. concrete paving 10,775 sq.yd. Glencoe Woods Pavement Dist., Special Assessment 270, to E. A. Meyer Constr. Co., Highland Park, $80,088.

Ill., Maywood — Concrete paving 24,890 sq.yd., to Standard Paving Co., 341 North Parkside Ave., Chicago, $105,351.

Ill., Palatine — Concrete paving 9,130 sq.yd., to Highways Constr. Co., Highland Park, $37,776.

Wis., Manitowoc — Vibrolithic concrete paving 33,500 sq.yd., to Cherney Constr. Co., Francis Creek, $68,000.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Cezrwinski Constr. Co., 816 Clinton St., grading, paving Capitol Dr. $18,507, Cornell St. $4,324, Elmhurst Rd., $30,771, 15th Ave. $16,000, 51st St. $19,612, 54th St. $6,818, 41st St. $6,812, Olive St. $11,297, 3rd Ave. $3,626, 22nd St. $7,632, 25th St. $7,685, 26th St. $1,629, 28th St. $11,438, 29th St. $11,511, Vienna Ave. $11,666; to Gumz & Switalski, 831-13th Ave., 47th St. $27,978, one alley $1,953; to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., 2 alleys $5,692 to F. W. Blodgett, 521 Newton Ave., alley $3,044; from N. Harris, Girard and St. Albian Sts., alley, $812; to A. J. Koch, 1297 Craner St., alley $2,436; to Parkinson Constr. Co., 322-27th St., alley $3,346; to Bleck Const. Co., 2123 Vliet St., alley $1,751. Grand total $214,341. Noted June 14.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., sheet asphalt paving Garfield Ave. $15,678, Juneau Ave. $14,158, Madison St. $2,053, St. Paul Ave. $14,078, 2nd St. $8,088, Wells St. $8,390. Grand total $62,445.

Ia., Dysart—Grading, curbing, 7 in. rein.-con. paving 16 blocks, 24 ft. and 1 block, 50 ft. to Haegg Constr. Co., 1105 12th Ave. W. Cedar Rapids, $39,134. Noted May 10.

Kan., Atchison—J. R. Gilman, clk. Atchison Co., sand gravel or chat surfacing 10.302 mi. Project 73E-32-K518, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $17,882. Noted June 7.

N. D., Williston—J. M. Hunt, city aud., 6 in. concrete paving 39,144 sq.yd. Paving Dist. 1, to Northern Constr. Co., Grand Forks, $98,569. Noted May 10.

Mo., Kansas City—For 8 in. concrete paving 75th St. between Wornall Rd. and Oak Sts., to Kelly Welsh, 1122 East Gillham Rd., $32,359; 75th St. between Oak St. and Troots Ave., to J. A. Tobin, 5524 Mission Rd., $30,175.

Mo., Kansas City—Jackson Co., 3 m.g. road oil on roads, to P. Patton Contg. Co., 1921 Woodland St. at $0.0695 per gal.

Mo., Kirkwood—Bd. Alderman, City Hall, to Independent Asphalt & Constr. Co., 5523 Manchester Ave., St. Louis, amasco paving 4,100 sq.yd. Argone Dr. $4,633, 2,329 sq.yd. Rose Hill Ave. $2,632, 2,922 sq.yd. Harrison Ave. $3,302, and 2,250 sq.yd. Jefferson Ave. $2,486; to Industrial Track Constr. Co., Title Guaranty Bldg., St. Louis, roc-hill paving 4,100 sq.yd. Argone Dr. $3,813, 5,894 sq.yd. Geyer Rd. $5,835, and 887 sq.yd. Dickson St. $905; to Bangert Bros. Constr. Co., 44A South Florissant Rd., bituminous macadam paving 5,280 sq.yd. Dickson St. $2,534, 1,786 sq.yd. Harrison Ave. $857, tarvia paving 3,856 sq.yd. Taylor Ave. $1,850, 1,071 sq.yd. Clinton Pl. $514, and 3,819 sq.yd. Rose Hill Ave. $1,833, to Fehlig-Ferrenbach, Inc., 3500 Hickory St., St. Louis, 1,286 sq.yd. Essex Ave. $617, 767 sq.yd. Taylor Ave. $368, 1,368 sq.yd. Jefferson Ave. $657, and 1,345 sq.yd. Pitman Pl. $646. Grand total $33,482.

Texas—G. Gilchrist, state hy. engr., Austin (**e.e. means engrs. est.**), concrete paving 15.641 mi. hy. Hardeman Co., to McClung Constr. Co., 1309 Fort Worth $405,000—grading 1.477 mi. hy. Anderson and Cherokee Counties, to Howard Kenyon Dredging Co., 3603 McKinney St., Houston, $26,472 e. e. $32,600—grading, drainage structures 1.138 mi. hy. Colmon Co., to Crouch & Noland, Strawn, $22,252 e. e. $26,000; grading, concrete paving 14,128 mi. hy. Fort Bend Co., to A. Smith, P. O. Box 713, Bryan, $338,694 e.e. $396,000. Grand total $762,242. Noted June 14.

Tex., Waxahachie—Bituminous on gravel macadam paving 80 mi. Road Dist. 1, to Cocke & Turner, Marshall, $117,000. Est. $130,000. Noted May 24.

Oklahoma—State Hy. Dept., Oklahoma City, concrete paving 56,117 sq.yd. Federal Aid Project 145-B, Comanche Co., to Hyde Constr. Co., Amer. Bank Bldg., Enid, $151,216. Est. $155,000. Noted May 31.

Okla., Geary—Grading, concrete paving 6,500 sq.yd. South Bway., to Ward-Beekman & Brooks, 1801 East 9th St., Oklahoma City, $28,096. Est. $28,138.

Okla., Guthrie—Grading, concrete paving 6,500 sq.yd. East Oklahoma Ave., to T. Gudgel, Stillwater, $26,328. Est. $28,000. Noted June 27.

Okla., Norman—Grading, concrete paving 9,660 sq.yd. Normal Blvd., to Baum & Dyer, Durant, $29,018. Est. $30,000.

Okla., Tulsa—Tulsa Co., concrete slab surfacing 26,000 sq.yd. Turkey Mountain Rd., to Standard Paving Co., 2115 East 11th St., $60,220. Est. $65,000.

California — State Hy. Comn., Sacramento, grading, crushed stone surfacing 3.8 mi. Shasta Co., to Mathews Constr. Co., Forum Bldg., Sacramento, $226,107. Est. $359,909. Noted May 24.

California—C. V. Purcell, state hy. engr., Sacramento, grading, oil treated crushed rock surfacing 3 mi. Solano Co., to Larsen Bros., Sonoma $62,704. Est. $69,450. Noted May 31.

Calif., Los Angeles—Grading, curbing, walks, concrete paving 3rd St., between Lakershim Blvd. and Riverside Dr., to E. L. Fleming, Glendale, $43,689.

Calif., San Carlos—Macadam oil and rock screening on 4 in. macadam paving 130,000 sq.ft. Pelps Rd., to Peninsula Paving Co., Standard Oil Bldg., $94,485. Noted June 14.

Calif., San Diego—San Diego Co., curbing 1½ in. Durite on 3½ in. asphalt concrete paving 207,000 sq.ft. Vassar Ave. in University Park, to R. E. Hazard Contg. Co., 2548 Kettner Blvd., $112,960.

Calif., San Diego—San Diego Co., sidewalks, culverts, 1½ in. Amiesite on 3½ in. asphalt concrete paving 153,402 sq.ft. streets in Villa Cara Heights, to Butterfield Constr. Co., 5th St. and University Ave., $89,504.

Ont., Erin—Asphaltic macadam paving 20,000 sq.yd., to Brennan Paving Co., 400 Gage Ave. N., Hamilton, $46,000. Est. $50,000.

Ont., Haileybury—Bitulithic paving, to Warren Paving Co., University Ave., Toronto, $60,000.

Ont., Kincardine—G. E. Stephenson, engr., Walkerton, asphalt on bituminous macadam paving 25,000 sq.yd. Main St., to Standard Paving Co., Central Chambers, Ottawa, $72,745. Est. $75,000.

Ont., Millbrook—L. C. Russell, town clk., concrete curbing, guttering, sewers, asphalt on macadam paving 13,400 sq.yd. King St. and Middle Rd., to Ontario Amiesite Co., foot of Spadina Ave., Toronto, $40,000.

Ont., New Toronto—W. H. C. Millard, town clk., concrete curbing, guttering, concrete paving ¾ mi. 8th St., to R. C. Huffman Constr. Co., 331 Bay St., Toronto, $36,133. Est. $35,000.

Ont., Oakville—Concrete paving 18,000 sq.yd. King and Reynold Sts., to W. W. King Constr. Co., Oakville, $39,614. Est. $40,000.

Ont., Sandwich—Curbing, concrete paving 13,000 sq.yd. Grand Marias Rd., to Labute & Cannel, Tecumseh, $38,000. Est. $40,000.

Ont., Toronto—Asphalt on concrete paving Malborough Ave., to Kilmer & Barber, 73 Adelaide St. W., $9,983; Spencer Ave., to Godson Contg. Co., 203 Richmond St. W., $7,749; Strathallan Blvd., to Constructing & Paving Co., Confederation Life Bldg., $6,459; Bedford Rd., Crawford St. and Spadina Ave., to owners by day labor, $24,164. Grand total $48,355.

Ont., Toronto—York Co. waterbound macadam paving 2½ mi. road from Ringwood to Markham, to A. E. Jupp Constr. Co., 170 Berkley St., Toronto, $37,500. Est. $40,000.

Ont., Toronto—York Twp., asphalt on concrete paving Old Weston Rd., to Godson Contg. Co., 203 Richmond St. W., $17,970, Beachwood Ave., to Constructing & Paving Co., Confederation Life Bldg., $14,333, concrete sidewalks on Vaughan Rd. and Lambton Ave., to owners by day labor, $3,631. Grand total $35,934.

Ont., Windsor—Concrete curbing, concrete paving 6,800 sq.yd. in Maidstone Twp., to Morand & Walker, Tecumseh. Est. $25,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Fort Scott, Kan., August, $225,000.
Waterworks—Chickasha, Okla., $350,000.
Waterworks—Sacramento, Calif., Aug. 28, $1,350,000.
Sewerage System—Lebanon, Mo., July 17, $73,000.
Sewers — Vista, Calif., Sanitary Dist., $70,000.
Paving—Elizabethtown, Tenn., $225,000.
Paving — Kansas City, Mo., Aug. 7, $5,500,000.
Roads — Hidalgo County, Tex., July 12, $1,000,000.
Roads—Lavaca County, Tex., $550,000.
Roads—Newton County, Tex., $150,000.
Roads — Major County, Okla., Aug. 7, $600,000.
Roads — Muskogee County, Okla., Aug. 7, $1,500,000.
Court House—Macon County, Ga., Nov. 6, $250,000.

Bonds Voted

Waterworks—Barnes, Kan., $25,000.
Waterworks—Hico, Tex., $38,000.
Waterworks—San Marcos, Tex., $150,000.
Sewers—Asherton, Tex., $25,000.
Sewers—Chickasha, Okla., $70,000. R. O. Bradley, engr.
Sewerage System—Okeene, Okla., $47,000.
Paving—Huntingdon, Tenn., $50,000.
Paving—Alice, Tex., $25,000.
Paving, etc.—Asherton, Tex., $45,000.
Roads—Pettis County, Mo., $54,000.
Roads—St. Louis County, Mo., $10,000, J. Jablonsky, Clayton, engr.
City Hall—Granite City, Ill., $150,000.
City Hall—Coffeyville, Kan., $225,000.
School—Jackson, Tenn., $225,000.
High School—Laramie, Wyo., $250,000.
Power Plant Extension — Tarboro, N. C., $100,000.

Bonds Defeated

Waterworks—Gracemont, Okla., $26,000.
High Schools—Alhambra, Calif., $1,675,000.

Buildings—Commercial

Proposed Work

Mass., Lowell—HOSPITAL—Lowell General Hospital, J. F. Sawyer, pres., soon lets contract 2 story, basement, 45 x 160 ft., brick, stone hospital for incurables, plain found., hospital grounds. To exceed $150,000. Appleton & Stearns, 53 State St., Boston, archts. Noted May 10.

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Buildings—Commercial (Continued)

Mass., Lowell — WARD — Appleton & Stearns, archts. 53 State St., Boston, soon lets contract 2 story, basement, 45 x 160 ft., brick, ward building for incurables, plain found., hospital grounds, for Lowell. General Hospital, J. F. Sawyer, treas., Varnum Ave. $200,000.

Mass., Winthrop (br. Boston) — HOSPITAL — Community Hospital, R. F. Whittier, pres. and chn., revised plans by Stevens & Lee, 45 Newbury St., Boston, 4 story, basement, 40 x 180 ft., brick, rein.-con., plain found., Lincoln St. $175,000. Former bids rejected. Noted Apr. 26.

R. I., Westerly—MERCANTILE—H. P. Milner sketches by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., and Jackson, Robertson & Adams, associated archts., Turks Head Bldg., Providence, Mercantile Building, Broad St. $150,000 or more.

Conn., New Haven—CITY HALL—City Hall Building Comn. sketches by Edgerton Swartout, 18 West 34th St., New York, 2 and 5 story city hall, Orange and Church Sts. $1,750,000. Noted Dec. 8.

Conn., Newtown—TOWN HALL—Town, c/o Edmond Memo Town Hall Com., new town hall, $250,000. Engineer and architect not selected.

Conn., Stamford—HOTEL, etc.—Shippen Point Hotel, c/o C. S. Adams, 2038 Spruce St., Phila., Pa., 15 story, basement, 600 room, irregular sized hotel and swimming pool.

N. Y., Brooklyn—APARTMENT—M. H. Koeppel, Inc., 26 Court St., plans by Malkind & Weinstein, 93 Court St., 6 story, 29 x 75 ft., brick, timber, Ocean Ave. and Ave. N. $210,000.

N. Y., Brooklyn—APARTMENT — L. Rothman, 1512 East 17th St. and S. Lasoff, 1143 Sutter Ave., plans by H. J. Daidone, 55 West 42nd St., New York, 6 story, 89 x 140 ft., brick, timber, Bedford Ave. and Ave. O. $300,000.

N. Y., Brooklyn — APARTMENT — Lemore Realty Corp., I. Weiner, pres., 191 Joralemon St., plans by Prober & Blaufeux, 66 Court St., 6 story, 90 x 100 ft., brick, timber, Sunnyside St. and Miller Ave. $250,000.

N. Y., Brooklyn—APARTMENT and STORE—Lap Realty Corp., 547 Rockaway Parkway, S. Lapidus, pres., plans by J. Flin, 1773 Pitkin Ave., 4 story, 90 x 100 ft., brick timber, Wilson Ave. and Cornelia St. $150,000.

N. Y., Brooklyn — DEPARTMENT STORE—Namm Stores, Inc., 452 Fulton St., sketches by Kohn & Butler, 56 West 45th St., New York, 8 story, 22 x 75 ft., steel, limestone addition, Fulton and Hoyt Sts. $150,000.

N. Y., New York — APARTMENT — Driveway Realty Corp., J. H. Schwartz, pres., 1440 Bway., plans by Gronenberg & Leuchtag, 1385 Bway., 15 story, 107, x 116 ft., brick, steel, 116 Riverside Dr., $600,000.

N. Y., New York — APARTMENT — C. Goldner Realty Corp., 1041 Fox St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 100 x 124 ft., brick, timber, Gun Hill Rd. and Holland Ave. $200,000.

N. Y., New York—APARTMENT—Montelenox Corp., A. F. Seliaberg, pres., 15 William St., plans by R. Candela, 578 Madison Ave., 17 story, 100 x 139 ft., 720 Park Ave. $2,000,000.

N. Y., New York—APARTMENT—Northview Investing Corp., A. F. Schigsberg, pres., 15 William St., plans by L. A. Goldstone, 420 Madison Ave., 19 story, 100 x 140 ft., brick, steel 730 Park Ave. $2,000,000.

N. Y., New York—APARTMENT—40 West 67th St. Corp., J. A. Cambell, pres., 50 Central Park West, plans by R. Candela, 578 Madison Ave., 9 story, 75 x 84 ft., brick, steel, 36 West 67th St. $350,000.

N. Y., New York—APARTMENT—Sawa Realty Corp., 765 Allerton Ave., plans by L. Pisciotta, 563 East Tremont Ave., 5 story, brick, timber, Rhinelander and Holland Aves. $150,000.

N. Y., New York—APARTMENTS and STORES — Soundfield Holding Corp., S. Grossman, pres., Legett Ave. and Truxton St., plans by H. I. Feldman, 415 Lexington Ave., one 5 story, 88 x x191 ft. and one 5 story, 88 x 125 ft. apartments, Stratford and Westchester Aves., $400,000 and $250,000 respectively; one 88 x 125 ft. apartment, $250,000, four 88 x 125 ft. apartments, $1,000,000, 6 story, 90 x 128 ft. apartment and store building, $275,000, all foregoing Morrison and Watson Aves.

N. Y., New York—BANK, APARTMENT and HOTEL—Fifty-One 5th Ave. Corp., J. A. Garry, vice-pres., 644 9th Ave., plans by T. W. Lamb, 644 8th Ave., 21 story, 62 x 125 ft., brick, steel, 49-51 5th Ave. $1,700,000.

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N. Y., New York—BANK AND OFFICE—Thirty-five-forty-one Broad St. Corp., D. Durant, vice-pres., 43 Exchange Pl., plans by Cross & Cross, 385 Madison Ave., 9 story, 106 x 128 ft., brick, steel, 35 Broad St. $1,500,000.

N. Y., New York—HOSPITAL—Eighty-seven St. East End Corp., 250 Park Ave., plans by Crow, Lewis & Wick, 200-5th Ave., 14 story, 96 x 201 ft., brick, steel, 545 East 87th St. $1,750,000.

N. Y., New York—HOSPITAL—Missionary Sisters of Sacred Heart, 226 East 20th St., plans by R. Meier, 226 East 20th St., 9 story, brick, 227 East 19th St. $500,000.

N. Y., New York—OFFICE and STORE—F. Frieden, 1375 Garrison Ave., plans by L. Pisciotta, 563 Tremont Ave., 3 story, 111 x 119 ft., brick, Webster and Tremont Aves. $200,000.

N. Y., New York—OFFICE and LOFT—L. Adler, 550 7th Ave., sketches by Buchman & Kahn, 49 West 45th St., 35 story, 107 x 146 ft. office and loft building. $7,000,000.

N. Y., New York—STORE and APARTMENT—Rodolph Building Corp., A. Immarata, pres., 831 Arnow Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 125 ft., brick, timber, Mace and Holland Aves. $250,000.

N. Y., New York—STORE and APARTMENT—Northbrook Corp., J. H. Harde, pres., 4316 Bway., plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, 100 x 100 ft., brick, timber, 4337 Bway.

N. Y., New York—STORE and OFFICE—W. Hagedorn, 1896 1st Ave., plans by C. Schaefer, Jr., 332 East 149th St., 2 story, 164 x 165 ft., brick, Morris Ave. and Fordham Rd. $250,000.

N. Y., North Tarrytown (Ind. br. Tarrytown—APARTMENT—J. D. Rockefeller, Jr., 26 Bway., New York, sketches by A. J. Thomas, 2 west 46th St., New York, 5 story apartment on site 400 x 500. $1,000,000.

N. J., Caldwell—HOME—Thresa Grota, c/o E. H. Fougner, archt., 197 Market St., Newark, sketches 2 story, basement, brick, steel convalescent home. $150,000.

N. J., Elizabeth—APARTMENT—Kowalsky & Gold, 541 Linden Ave., sketches by W. L. Finne, 91 Broad St., 3 story, basement, 55 x 110 ft., brick, plain found. $150,000.

N. J., Hoboken—BANK—City Steneck Trust Co., H. Steneck, pres., 95 River St., plans by W. Neuman, 40 Journal Sq., Jersey City, and F. Perna, associated archt., 68 Hudson St., Hoboken, 2 story, basement, 45 x 80 ft., brick, steel, plain found., 4th and Grand Sts. $150,000.

N. J., Jersey City—STORE and APARTMENT—Tube Realty Corp., c/o C. Sholowitz, archt., 26 Journal Sq., sketches 5 story, basement, brick, steel, plain found., Summit, Magnolia and Wests Sts, $150,000.

N. J., Jersey City—STORE, OFFICE and DISPLAY ROOM—Universal Security Co., c/o M. McDermott, Tube Concourse Bldg., plans 3 story, basement, brick, steel, plain found., 922 Bergen Ave. $150,000.

N. J., Morristown—Owner, c/o D. H. Trevor, archt, 45 Branford Pl., Newark, 10 story, basement, brick, steel, plain found., South and Pine Sts. $350,000. Noted May 24.

N. J., Newark — APARTMENT — H. Lilien, 234 Highland Ave., plans by Lilien & Lilien, 155 West 72nd St., New York, 6 story, basement, 50 x 150 ft., brick, steel, plain found., 532-4 Clinton Ave. $200,000.

N. J., Newark—STORE—M. Stairtsky, 889 Broad St., 4 story basement, brick, steel, plain found., Market St. and Pierson Pl. $150,000. Engineer and architect not selected.

N. J., Passaic — COMMERCIAL — M. Lindenstruth, c/o B. J. Bellay, archt., 625 Main Ave., 3 story, basement, 50 x 100 ft., brick, steel, plain found., 26 Passaic Ave. $150,000. Noted June 28.

N. J., Perth Amboy—STORE and LOFT—A. Kaufman, 239 State St., will not construct 4 story, basement, 100 x 135 ft. brick, plain found. New Brunswick Ave. $150,000. Project abandoned. Noted Dec. 8.

N. J., Raritan—CASINO and HOTEL—Diglio Democratic Assn., 340-4th St., Jersey City, sketches by P. O. Simeone & Co., Inc., 22 Journal Sq., Jersey City, 2 story, basement, 125 x 125 ft., brick, steel, plain found. incl. swimming pool, bath house, Oak Tree Park. $150,000.

N. J., Red Bank—AUTO SALES ROOM and APARTMENT—H. L. Zobel Co. plans by V. J. Eck, Broad St., 2 story, basement, 75 x 100 ft., brick, steel, plain found., Broad St. and Harding Rd. $150,0000.

N. J., Ridgefield — APARTMENT — E. Light, c/o Lucht & Anderson, archts., 432 Palisade Ave., Cliffside, 4 story, basement, 50 x 100 ft., brick, steel, plain found $150,000.

N. J., Ridgewood—CLUB HOUSE—C. C. Wendehack, archt., 101 Park Ave., New York, soon lets general contract 2 story, basement, brick, steel, rein.-con., plain found., for Ridgewood County Club, McKinley Pl. $150,000. Noted June 14.

N. J., Scotch Plains — STORE and APARTMENT—Mobile Constr. Co., c/o C. Bell, archt., 17 Union Ave., Cranford, 2 story, basement, 65 x 160 ft., brick, steel, plain found. $150,000.

N. J., Trenton—HOTEL—Owner, c/o W. Hankin, archt., 224 East Hanover St., 8 story, basement, brick, steel, addition, plain found. $150,000.

Pa., Connellsville—THEATRE and OFFICE—K. M. Wallace, plans by C. R. Gessler, Ferguson Bldg., Pittsburgh, and soon takes bids 2 and 3 story, brick, steel, Main St. $150,000.

Pa., Pittsburgh—APARTMENT—A. M. Campbell, Denniston Ave., plans by Hannah & Sterling, 209 9th St., 3 story, basement, brick, steel, Ellsworth Ave. $160,000.

Miss., Ellisville—INFIRMARY—Colony for Feeble Minded sketches by C. H. Lindsley, Lamar Life Bldg., Jackson, brick, concrete dormitory, service and laundry buildings. $500,000.

O., Apple Creek—ADMINISTRATION—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., plans by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 3 story, basement, 42 x 175 ft., steel, brick, concrete, stone, Institution for Feeble Minded $200,000.

O., Apple Creek—COTTAGES—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., plans by H. B. Briggs, Ohio Hartman Bldg., Columbus, two 2 story, basement, L shaped one wing 30 x 50 ft., other 30 x 80 ft., brick, steel, stone, concrete walls, Institution for Feeble Minded $175,000.

O., Dayton—AUTO TIRE SERVICE and SALES—Four Hundred Seventy-Six Co., H. H. Low, pres., 114 North St. Clair St., 2 story, basement, 50 x 100 ft., rein.-con., steel, stucco, East 2nd St. $150,000. Private plans.

Ind., Ft. Wayne—HOSPITAL—St. Josephs Hospital, plans by Pohlmeyer & Pohlmeyer, Central Bldg., 7 story, basement, 80 x 130 ft., rein.-con., brick, steel, stone, Berry and Van Buren Sts. $750,000.

Mich., Detroit — OFFICE and EXCHANGE—Michigan Bell Telephone Co., Cass Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 2 story, basement, rein.-con., brick, steel, plain found., Greiner Ave. $150,000.

Ill., Chicago—APARTMENT—Syndicate, c/o Hooper & Janusch archts., 879 North State St., 20 story, basement, 85 x 155 ft., brick, steel, stone, 1420 Lake Shore Dr. $3,000,000.

Ill., Chicago — OFFICE and STORE — A. N. Rebori, archt., 332 South Michigan Ave., soon takes bids 25 story, sub-basement, 60 x 100 ft., brick, steel, caisson found., 125-135 West Wacker Dr., for J. M. Patterson, 431 North Michigan Ave. $2,000,000. Holabird & Root, 333 North Michigan Ave., associated archts.

Ill., Chicago — PLANETARIUM — South Park Comrs., 5700 Cottage Grove Ave., concrete, steel, on river front in Grant Park. $500,000. Engineer and architect not selected.

Minn., Faribault—HOTEL and STORE—Harvey Hotel Co., c/o T. J. Harvey, plans by L. C. Pinault, St. Marys Bldg., St. Cloud, 4 story, basement, rein.-con., brick, stone hotel. $250,000.

Mo., St. Louis — STORE and APARTMENT—F. L. Dittmeier, 624 Chestnut St., 3 story, basement, 126 x 161 ft., rein.-con., brick, Kingshighway and Aldine Pl. $150,000.

Tex., Austin — HOTEL — Driskill Hotel Hotel Co., c/o C. M. Bartholomew, pres., plans by Frost & Frost, Two Republics Bldg., El Paso, 12 story, basement, L shaped, 80 x 100 ft., annex, with arcade and courtyard 32 x 54 ft., 7th St. $275,000.

Tex., Beaumont—MASONIC TEMPLE—Masonic Orders, c/o Secretary, Beaumont, temple. $350,000.

Tex., Corpus Christi — APARTMENT — Sketches by W. A. Nethercot, 7 Lovenskiold Bldg., 2 and 3 story, rein.-con., brick, stone trim, concrete tile apartment.

Tex., Houston — STORE — J. H. Jones, Bankers Mortgage Bldg., plans by A. C. Finn, Bankers Mortgage Bldg., 3 story, basement, 58 x 100 ft. store, Main and Walker Sts. $150,000.

Tex., San Antonio—MOTOR BUS TERMINAL—Martin-Navarro Co., c/o L. Lipscomb, pres., Frost Bank Bldg., plans by Herff & Jones c/o San Antonio Loan Trust Co. Bldg., and soon takes bids 2 story, large sized basement, 80 x 160 ft., brick, rein.-con., hollow tile, stucco, plain found.,

Buildings—Commercial (Continued)

Martin, Navarro and Pecan Sts. $300,000. Union Bus Co., 219 East Travis St., Southland Red Ball Motor Bus Co., and Union Bus Lines, lessees. Noted June 7.

Tex., Temple—CITY HALL—City, c/o G. E. Byars, city mgr., 2 or 3 story, brick, rein.-con., city hall. $125,000-$150,000. M. W. Scott, 412½ Franklin Ave., Waco, archt.

Okla., Muskogee — CITY HALL — City plans by Niemann & Howenstine, 710 Barnes Bldg., 3 story, basement, 140 x 212 ft., rein.-con., brick, stone city hall. $400,000. Noted Apr. 19.

Okla., Tulsa—HOTEL—C. W. Bliss, Bliss Bldg., sketches by L. I. Shumway, Alexander Bldg., 10 story, basement, 60 x 140 ft., rein.-con., brick, Boston St. $500,000.

Okla., Tulsa — HOTEL — C. Barton sketches 10 story, basement, 75 x 140 ft., rein.-con., brick, plain found., 2nd St. $700,000. Engineer and architect not selected.

Wash., Seattle—APARTMENT—J. Hudson, Amer. Bank Bldg., 25 story, rein.-con., steel, terra cotta, Terry Ave. and Seneca St. $1,000,000.

Calif., Berkeley—HOSPITAL—Bohannon Cancer Institution, 1813 University Ave., plans by J. W. Plachek, Mercantile Bank Bldg., 4 story, basement, rein.-con., University Ave. To exceed $150,000.

Calif., Folsom—HOSPITAL and CELLS—State plans by G. B. McDougall, state archt., 615 Forum Bldg., Sacramento, 4 story, 5 x 300 ft., rein.-con. cell-block with hospital addition at Folsom State Prison. $200,000.

Calif., Hollywood—APARTMENT—Hope Street Building Assn., Inc., c/o F. H. Webster, archt., Guaranty Bldg., Hollywood, 6 story, basement, rein.-con., South Hope St. $200,000.

Calif., Los Angeles—APARTMENT—J. A. Rosencranz, et al., c/o R. Nicholais, archt., 686½ South Vermont Ave., sketches 6 story, basement, 115 x 125 ft., rein.-con., 8th St. $175,000 or more.

Calif., Oakland — OFFICE — Guarantee Building & Loan Assn., 69 South 1st St., San Jose, plans by A. F. Roller, Crocker 1st Natl. Bank Bldg., San Francisco, Class "A," 19th St. and Bway. $200,000 or more.

Calif., Palo Alto—EXCHANGE—Pacific Telephone & Telegraph Co., 444 Bush St., San Francisco, 2 story, basement, rein.-con., brick, terra cotta, Bryant St. $150,000. Private plans.

Calif., San Francisco—APARTMENT—Owner, c/o C. N. Burrell, archt., Amer. Bank Bldg., Oakland, 10 story, basement, steel, concrete, Nob Hill. $250,000.

Calif., San Francisco—OPERA HOUSE—City and San Francisco Co., plans by G. A. Lansburgh, 140 Montgomery St., and A. Brown, 251 Kearny St., Class "A," 4,000 seating capacity, 500 standing room, opera house, Van Ness Ave. $1,500,000.

Calif., Woodland—HOSPITAL—Yolo Co. plans by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, fireproof hospital. To exceed $150,000. Noted Dec. 29, 1927.

Ont., Hamilton — GARAGE — Hamilton Ramp Garage Ltd., Federal Bldg., plans by G. T. Evans, Federal Bldg., 4 story, 65 x 175 ft., rein.-con., brick, steel, plain found., Rebecca St. $250,000.

Ont., Ottawa — OFFICE — Medical Arts Society Ltd., c/o Noffke, Morin & Sylvester, archts., Central Chambers, 4 story, basement, rein.-con., brick, steel, plain found. $200,000.

Ont., Peterboro — HOSPITAL — Hospital Bd., hospital addition, incl. heating and refrigeration plants. $350,000.

Ont., Toronto—APARTMENT—Clarendon Properties, 330 Bay St., 5 story, basement, rein.-con., brick, steel, plain found., Avenue Rd. $400,000. Engineer and architect not selected.

Ont., Toronto—CLUB HOUSE—Eglinton Hunt Club, Eglinton Ave. W., plans by V. Chadwick, 132 Church St., 2 story, part basement, rein.-con., brick, steel, plain found., Eglinton Ave. W. $200,000.

Ont., Toronto — OFFICE and WAREHOUSE—G. Tamblyn, Ltd., 129 Richmond St. W., 4 story, basement, 80 x 100 ft., rein.-con. brick, steel, plain found., Jarvis St. $150,000. Engineer and architect not selected.

Que., Montreal—Y.M.C.A. new building, Notre Dame de Grace St. $310,000. Engineer and architect not selected.

Que., Quebec City—GARAGE—F. A. Lawrie rein.-con. garage, Grande Allee St. $300,000.

P. E. I., Charlottetown—HOSPITAL—Directors of Prince Edward Island Hospital, new hospital. $200,000. Engineer and architect selected soon.

Bids Desired

Mass., Cambridge (br. Boston)—HOSPITAL—July 13 by Kendall, Taylor & Co., archts., 142 Berkley St., Boston, 3 and 4 story basement, irregular sized, brick additions incl. nurses home, $175,000, childrens hospital $175,000, and private ward building, plain founds. Mt. Auburn St., for Cambridge Hospital, W. F. Earle chn. executive com. Noted May 3.

Mass., Dorchester (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Roslindale (Sta. Boston)—BANK, STORE and OFFICE—See "Contracts Awarded."

R. I., Providence — CLUB — July 6, by Providence Boys Club, 226 South Main St., 3 story, basement, brick, steel, Branch St. $150,000. K. C. Richmond, 526 Grosvenore Bldg., archt.

Conn., Norwalk—STORE and OFFICE—W. Bishop, Toilsome Ave., taking bids 4 story, basement, 75 x 110 ft., brick, stone, plain found., Wall St. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. J., Asbury Park—APARTMENT—See "Contracts Awarded."

N. J., Cranford — APARTMENT — See "Contracts Awarded."

N. J., East Orange—STORE and APARTMENT—See "Contracts Awarded."

N. J., Englewood—APARTMENT—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Westfield — APARTMENT — See "Contracts Awarded."

Pa., Phila.—BANK—July 11, by Davis, Dunlap & Barney, archts., 1805 Walnut St., 1 story, mezzanine, basement, 67 x 86 ft., rein.-con., brick, steel, stone, plain found., Frankford Ave. and Rhawn St., for Holmesburg Trust Co., W. M. Rowland, pres., 8033 Frankford Ave.

D. C., Wash.—APARTMENT—Poretsky & Silver, 521 Irving St. N.W., taking bids separate contracts apartment, Georgia Ave. and Dahlia Sts., N.W. G. T. Santmeyer, 917 15th St. N.W., archt.

Ind., Indianapolis—WAREHOUSE and OFFICE—Kroger Co., 230 West McCarthy St., taking bids 4 story, basement, rein.-con., brick warehouse and office building. $300,000. E. H. Nieman, 3816 Shaw Ave., archt.

Ill., Chicago — APARTMENT — R. De Goyler & Co., archts., 307 North Michigan Ave., taking bids and opens same about July 10, 13 story, basement, 86 x 137 ft., rein.-con., brick, stone, wood pile found., 78th St. and Rainbow Park, for W. C. Bannerman & Co., 77 West Washington St. $1,000,000.

Ill., Evanston—APARTMENT—Cable & Spitz, archts., Chicago, taking bids 3 story, basement, 152 x 183 ft. brick, stone, Sherman and Noyes Aves., for Dolin Building Corp., c/o architects. $350,000.

Ill., Evanston—C. H. Walcott, archt., 431 North Michigan Ave., Chicago, taking bids 5 story, basement, 140 x 175 ft., rein.-con., brick, Maple and Grove Sts., for Y. M. C. A., 300 Adams St. $900,000. Noted Apr. 26.

Wis., Menasha—THEATRE—July 9, by H. D. Werwath, Inc., archts., 1535 Oakland Ave., Milwaukee, 2 story, basement, 67 x 118 ft., brick, plain found., for Owner, c/o J. M. Cobe, 629 Farwell Ave., Milwaukee.

Mo., St. Louis—HOTEL and APARTMENT—See "Contracts Awarded."

Mo., St. Louis—PASSENGER DEPOT—July 16, by R. E. Mohr, archt., 1765 Ry. Exch. Bldg., 2 story, 50 x 100 ft., rein.-con., brick, stone, terra cotta depot and 2-track, 800 ft. train shed, Delmar Blvd. and Wabash R.R. tracks, for Wabash Ry. Co., R. H. Howard, ch. engr., Reading Exch. Bldg., $350,000.

Wash., Seattle—GARAGE—H. Bittman, archt., Securities Bldg., bids about July 18, 6 story, basement, 60 x 108 ft., concrete, terra cotta, granite, 1915-3rd Ave., for W. E. Grimshaw, c/o architect. $150,000.

Calif., Los Angeles — APARTMENT — Schilling & Schilling, archts., Farmers & Merchants Bank Bldg., Los Angeles, taking bids 5 story, basement, 100 x 125 ft. rein.-con., Bway and Linden Ave., for Bway. Land Co., c/o architects.

Calif., Los Angeles — STORE — Morgan, Wells & Morgan, archts., Van Nuys Bldg., taking bids part 1 and 2 story, 210 x 310 ft., and 44 x 135 ft. rein.-con. warehouse, 6th St., for Chapman Bros., c/o architects.

Calif., Sacramento—MAUSOLEUM—B. J. S. Cahill, archt., 857-12th St., Oakland, taking bids rein.-con., marble bronze, St. Mary's Cemetery, for Roman Catholic Archbishop. $150,000. Noted Mar. 15.

Ont., Toronto—APARTMENT—See "Contracts Awarded."

Bids Received

N. J., Somerville—CLUB and STORAGE—P. C. Van Nuys, archt., 1 West Main St., general contract 3 story, basement, 70 x 150 ft., brick, steel, plain found., 149 West Main St., from Macchi & Co., West Main St., for Raritan Valley Aerie 2013, Fraternal Order of Eagles. Est $150,000. Noted June 7.

Contracts Awarded

Mass., Boston—OFFICE—A. F. Goodwin, 5 Middlesex Ave., Somerville, 4 story, basement, 40 x 90 ft., rein-con. brick, steel, marble, wood pile found., 14-16 Newbury St., to Canter Constr. Co., 6 Beacon St. Est. $150,000.

Mass., Dorchester (sta. Boston)—APARTMENTS—A. J. Marks, 131 Columbia Rd., 3 story, basement, 80 x 100 ft., brick, stone, plain found., Esmont St., separate contracts. $150,000. S. E. Mottie, 51 Cornhill, Boston, archt.

Mass., Lynn—CLUB—Boys Club of Lynn, 169 Liberty St., F. A. Strong, supt., 3 story, basement, 75 x 130 ft., brick, plain found., incl. gymnasium and concrete swimming pool, 11-15 Pleasant St., to C. H. Cummings & Son Co., 23 Central Ave. Est. $150,000. Noted May 3.

Mass., Roslindale (sta. Boston)—BANK, STORE and OFFICE—P. Basile, 22 Taft Pl., 2 story, basement, 10,000 sq.ft. floor space, rein.-con., brick, steel, stone, plain found., Washington and Poplar Sts., separate contracts. $150,000. M. E. Levy, 43 Tremont St., Boston, archt.

N. Y., Brooklyn — APARTMENT — S. Sokolov, 1670 East 17th St., 6 story, 100 x 105 ft., brick, timber, Ocean Ave. and Ave. R, separate contracts. $250,000. G. I. Prowler, 367 Fulton St., archt.

N. Y., Brooklyn—HOSPITAL—Brooklyn Eye & Ear Hospital, 94 Livingston St., hospital, to W. Kennedy, 215 Montague St. Est. $1,000,000. Noted Feb. 2.

N. Y., New York — APARTMENT — Feralton Apartments, Inc., J. Feraca, pres., 783 Grote St., 6 story, 85 x 6 ft., brick, timber, Hubbell St. and Maclay Ave., separate contracts. $285,000. G. G. Miller, 1482 Bway., archt. Noted May 31.

N. Y., New York — APARTMENT — Thayerway Constr Co., M. Herman, pres., 349 East 149th St., 6 story, 87 x 150 ft., brick, timber, 172nd St. and Commonwealth Ave., separate contracts. $250,000. C. Kreymborg & Son, 2534 Marion St., archts.

N. Y., New York — APARTMENT — Woodel Investment Holding Corp., S. S. Schwartz, pres., 421 West 162nd St. apartment, Bronx Blvd. and 228th St., separate contracts. $250,000. Glick & Dumas, 400 East Fordham Rd., archts. Noted May 31.

N. Y., New York—BANK and WAREHOUSE—Lincoln Forty-Second Street Corp., 60 East 42nd St., general contract bank and warehouse, 915,000 sq.ft. floor space, to Dwight P. Robinson Co., 125 East 46th St. Est. $30,000,000.

N. Y., New York—STORE and APARTMENT—Manor Hall, Inc., S. Metzner, pres., 1355 Grand Concourse, 6 story, store and apartment, Grand Concourse and 182nd St., separate contracts. $275,000. J. L. Cransman, 341 East 149th St., archt.

N. J., Asbury Park — APARTMENT — Traymore Holding Corp., 515 8th Ave., 5 story, basement, brick, plain found., 5th Ave., separate contracts $175,000. P. Freshman, 50 Court St., Brooklyn, N. Y., archt.

N. J., Cranford — APARTMENT — G. I. Lehman, 31 Clinton St., Newark, 3 story, basement, 100 x 100 ft., brick, plain found., Forrest Ave., separate contracts. $150,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted June 28.

N. J., East Orange—STORE and APARTMENT—Wille-Kilgus, Inc., 5 Montrose St., South Orange, 4 story, basement, 100 x 100 ft., brick, plain found., 550-556 Central Ave., separate contracts. $150,000. Warren & Warren, 31 Clinton St., Newark, archts.

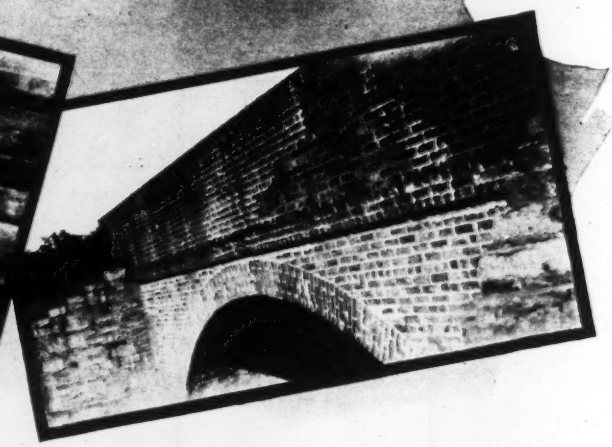
N. J., Englewood — APARTMENT — S. Sarapin & Son, 3 Lucille Pl., Passaic, 4 story, basement, 85 x 152 ft., brick, steel, plain found., Engle St., separate contracts. $150,000. Former bids rejected. J. DeRose, 119 Ellison St., Paterson, archt. Noted June 14.

N. J., Jersey City—BANK—Jackson Trust Co., 104 Jackson Ave., general contract, brick, steel, plain found., 115-19 Jackson Ave. and Woodland Ave., to J. Mitchell, 40 Journal Sq. Est. $150,000. Noted Apr. 12.

N. J., Jersey City—BANK—Trust Co. of New Jersey, W. C. Heppenheimer, pres., 35 Journal Sq., general contract 1 story, mezzanine, basement, 40 x 115 ft. brick, steel, plain found., 199-201 Newark Ave., to P. F. Redfern, 569 Jackson Ave. Est. $200,000.

Constr. News page 9

Good Old Common Brick



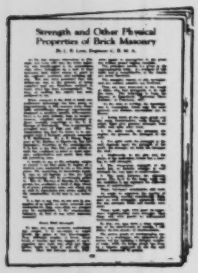
Some of this country's famous engineers tell us that when they have to design masonry structures to safely carry the heaviest loads they use good, old common brick masonry, and forget all fear of subsequent failure or deterioration.

When heavy loads and impact and vibration forces have to be resisted in a structure which must last for all time without maintenance costs, you can depend upon brick masonry. No other material can exceed and but few equal its record.

At the left are shown two views of Brick Skew Arch Bridge, Locust Valley, N. Y. carrying Long Island traffic since 1889.

Below are shown two views of Brick Arch at Yaphank, N. Y., carrying Long Island Railroad traffic since 1849.

After years of constant use, Engineer of Bridges, Frederick Auryansen says both bridges are in excellent condition.



This paper

gives in detail the results of these tests made by the Bureau of Standards and shows the strength AND OTHER PHYSICAL PROPERTIES of brick masonry. Write for a copy—no obligation.

At Your Service
These District Association Offices and Brick Manufacturers Everywhere

BOSTON
11 Beacon Street
CHICAGO
228 No. LaSalle Street
CLEVELAND
2124 Guarantee Title Bldg.
DENVER
1735 Stout Street
DETROIT
400 U. S. Mortgage Trust Bldg.
HARTFORD
226 Pearl Street
NEW YORK CITY
1716 Grand Central Terminal

THE COMMON BRICK MANUFACTURERS' ASSOCIATION OF AMERICA

2121 Guarantee Title Building
CLEVELAND, OHIO

BRICK *forever*

At Your Service
These District Association Offices and Brick Manufacturers Everywhere

NORFOLK, VA.
112 W. Plume Street
PHILADELPHIA
121 N. Broad Street
PITTSBURGH
702 First National Bank Bldg.
RALEIGH, N. C.
508 Commercial Nat'l Bank Bldg.
ROCHESTER, N. Y.
P. O. Box 773
SALT LAKE CITY
301 Atlas Block
SEATTLE
913 Arctic Bldg.

Buildings—Commercial (Continued)

N. J., Newark—APARTMENT—North Newark Holding Co., 759 Bway., 5 story, basement, 82 x 144 ft., brick, steel, plain found., 769-79-781-91 Bway., separate contracts. $200,000. Lilien & Lilien, 155 West 72nd St., New York, archts.

N. J., Newark—APARTMENT—Plotkin Bros., 10 Harding Terrace, 3 story, basement, 75 x 100 ft., brick, steel, plain found., Sheppard and Osborne Terrace, separate contracts. $150,000. S. Cohen, 130 Branford Pl., archt. Noted June 7.

N. J., North Bergen (Ind. br. Englewood)—SHOWROOM and GARAGE—Jersey City Cadillac Co., 2401 Hudson Blvd., Jersey City, general contract 2 story, basement, 70 x 165 ft., brick, steel, plain found., Spring St., Hudson Blvd., to James Billington, 198 Fairmount Ave., Jersey City. Est. $150,000.

N. J., West Englewood—APARTMENT—N. Ayres, c/o J. Peterkin, archt., 285 Madison Ave., New York, general contract 5 story, basement, brick, steel, State and Lossier Sts., to A. A. LaFountain, Railroad Ave. and Beech St., Hackensack. Est. $250,000.

N. J., Westfield—APARTMENT—Carlton Constr. Co., 60 Park Pl., Newark, 4 story, basement, brick, plain found., Carlton Rd. and Ross Pl., separate contracts. $150,000. A. J. Silberstein, 60 Park Pl., Newark, archt. Noted June 28.

N. J., West New York—APARTMENT—Auf Der Heide & Johansen, 443-16th St., general contract 3 story, basement, brick, steel, plain found., Highland Pl. and 18th St., to Auf Der Heide Contg. Co., 443-16th St. Est. $150,000.

N. J., West New York—BANK and OFFICE—First Natl. Bank, 440-16th St., general contract 2 story, basement, brick, steel, plain found., Park Ave. and 19th St., to H. G. Auf Der Heide Contg. Co., 443-16th St. Est. $150,000. Noted Sept. 15.

Pa., Lansdowne—APARTMENT—Owner, c/o H. Klein, archt., 709 Chestnut St., Phila., 7 story, basement, 85 x 236 ft., rein.-con., brick, steel, plain found., Lansdowne Ave., to Graham-Chambley, 3649 Filbert St., Phila. Est. $800,000.

Pa., Wilson—PASSENGER STATION—Pennsylvania R.R. System, W. D. Wiggins, ch. engr. (Central Region), Pittsburgh, general contract 1 and 2 story, basement passenger station, to F. C. Dresser Co., 1082 The Arcade, Cleveland, O. Est. $150,000.

Md., Baltimore — WAREHOUSE — Bd. Awards, 2 story, 90 x 150 ft., rein.-con., steel, to P. C. Streett Eng. Co., 404 St. Paul St., for Port Development Comn., City Hall. $568,900. Noted June 14.

D. C., Wash.—AUDITORIUM—Daughters of Amer. Revolution, 17th and D Sts. N.W., general contract auditorium building, to G. A. Fuller Co., 949 Bway., New York, and Munsey Bldg., Wash., D. C., $1,875,000. Contractor takes sub-bids about July 15. Noted May 18, 1927.

O., Cleveland — APARTMENT — A. E. Dudley, 2570 Overbrook Rd., masonry contract 4 story, basement, 61 x 93 ft., brick, timber, 1680 East 117th St., to Mecker Bros., 1021 Thornhill Rd. Est. $150,000.

O., Columbus—APARTMENT—Townley Court, Inc., 30 North Washington Ave., C. Gray, secy., 3 story, basement, 48 x 165 ft., and 48 x 108 ft. with 2 wings, brick, stone, concrete, East Town St., to R. L. Wirtz, 88 North Front St., Columbus. $300,000.

O., Lorain — STORE and OFFICE — J. Gould, general contract 2 story, basement, 100 x 135 ft., brick, steel, concrete, to L. A. Burgett Co., Lorain. Est. $150,000. Noted June 7.

Ind., Indianapolis—HOTEL—Chesapeake Realty Co., general contract 12 story, basement, 71 x 90 ft., rein.-con., brick, steel, to S. & J. Falendar, c/o Bennett Kay, archt., 738 Lemcke Bldg. Est. $500,000. Noted June 14.

Ind., South Bend—OFFICE and LODGE—Odd Fellows Lodge, general contract 9 story, basement, 67 x 122 ft., rein.-con., brick, steel, stone, to Hay-Weaver Co., 2410 South Main St. Est. $400,000. Noted May 31.

Mich., Detroit—HOSPITAL—A. Kahn, archt., 1000 Marquette Bldg., 5 story, basement, 120 x 240 ft., rein.-con., brick, plain found., to Bryant & Detwiler, 2336 Dime Bank Bldg., for Womans Hospital & Infants Home, F. H. Holt, 443 Forest Ave. Est. $1,000,000. Noted May 31.

Mich., Detroit—THEATRE and OFFICE—A. G. Wilson, c/o Fidelity Trust Co., 147 West Congress St., 6 to 10 story, basement, 100 x 160 ft., rein.-con., brick, steel, caisson found., to Bryant & Detwiler, 2336 Dime Bank Bldg. Est. $1,500,000. Noted June 14.

Ill., Chicago—APARTMENT—Plotke & Grosby, 111 West Washington St., general contract 16 story, basement, 150 x 150 ft., brick, steel, to Trimmer Nydele Co., 111 West Washington St. Est. $3,000,000. Noted June 7.

Ill., Chicago—CLUB—E. H. Clark, archt., 8 East Huron St., general contract 4 story, basement, 100 x 160 ft., for Eleanor Club, 16 North Wabash Ave., to Adams Constr. Co., 217 Clarkson Court; electrical work, to C. Johnson Electrical Co., 26 North Jefferson St., plumbing, to Nilson Bros., 3222 North Halsted St., heating, to L. H. Prentice Co., 1048 West Van Buren St. Est. $275,000. Noted May 31.

Wis., Waupaca—HOSPITAL—State Managers, J. S. Salsman, agt., Veterans' Hospital, general contract 2 and 3 story, 101 x 197 ft. brick, plain found., to J. P. Cullen & Sons, 109-8th St., Janesville, $125,346. Noted May 31.

Minn., Fergus Falls—HOTEL—V. A. Wright, Fergus Falls, and 121 Clifton Ave., Minneapolis, general contract 3 story, basement, rein.-con., brick, to John Lauritzan Co., Fergus Falls. Est. $226,000.

Minn., Minneapolis — OFFICE — W. B. Foshay Co., 9th St. and 2nd Ave. S., general contract 32 story, basement, 82 x 86 ft., rein.-con., brick, stone, 9th St. between Marquette and 2nd Aves., to National Contg. Co., 311 Metropolitan Bank Bldg. Est. $2,500,000. Noted June 21.

Mo., St. Louis—HOTEL—Hotel Investment Co., % G. W. Hunter, Ry. Exch. Bldg., 15 story, basement, 70 x 109 ft., rein.-con. stone, terra cotta, Market and 8th Sts., to Kopeman Constr. Co., 4225 Lindell Blvd. Est. $1,300,000. Steam heating, elevators, etc.

Mo., St. Louis—HOTEL and APARTMENT—Coronado Hotel Co., % P. J. Bradshaw, archt., 718 Locust St., 14 story, basement, 170 x 200 ft., rein con., brick, stone, terra cotta hotel and apartment, incl. swimming pool, garage, Lindell and Spring Aves., separate contracts. $2,500,000.

Tex., Dallas—THEATRE and APARTMENT—University Park Development Co., 7 story, 120 x 128 ft., theatre and apartment, Snider Plaza and Rosedale St., to Churchill & Humphrey, Bur Bldg., $430,000.

Okla., Oklahoma City—OFFICE—Oklahoma Savings & Loan Co., 5 story, 50 x 140 ft., rein.-con., brick, plain found., 2nd St., to Harmon & Mattison, 420½ North Hudson St., $153,000.

Wash., Seattle—STORE and OFFICE—H. Bittman, archt., Securities Bldg., 3 story (ultimately 6 story), basement, 120 x 126 ft., rein.-con., brick, steel, to Warrack Constr. Co., McDowell Bldg., for J. G. Von Herberg, c/o architect. $200,000. Noted May 31.

Calif., Los Angeles — APARTMENT — Owner, 7 story, basement, Class "A" Valencia St., to J. M. Cooper, Rives-Strong Bldg., $175,000.

Calif., Oakland—OFFICE—Corporation, c/o W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, 20 story, basement brick, steel, terra cotta, concrete, 14th and Harrison Sts., to Cahill Bros., 206 Sansome St., San Francisco, $1,500,000. Noted June 21.

Calif., Rio Del Mar (Santa Cruz Co.)—HOTEL—Monroe, Lynch & Miller, c/o B. G. McDougall, archt., 353 Sacramento St., Sacramento, 2 and three story, brick, to E. T. Leiter & Son, 811 West St., Oakland. Noted May 24.

Calif., San Francisco — OFFICE and LOFT—Owner, c/o F. H. Meyer, archt., 742 Market St., 8 story, basement, rein.-con., Clay and Sansome Sts., to Cahill Bros., 206 Sansome St., $500,000. Noted June 21.

Calif., San Jose — MAUSOLEUM — Oak Hill Impvt. Co., W. Veith, dir., Commercial Bldg., rein.-con., Oak Hill Cemetery, to K. E. Parker, 1st Natl. Bank Bldg., San Francisco, $200,000.

Ont., Hamilton—BANK—Bank of Montreal, 109 St. James St., 3 story, basement, 40 x 100 ft., rein.-con., brick, steel, stone, plain found., to Pigott Constr. Co. Ltd., 4 Hughson St. Est. $500,000. Noted Jan. 26.

Ont., Niagara Falls — STORE and APARTMENT—R. C. Young & A. Holmwood, Queen St., 2 story, basement, 100 x 160 ft., rein.-con., brick, steel, plain found., Victoria Ave., to Smith Bros. Constr. Co., 1740 Ellen Ave. Est. $150,000.

Ont., Tecumseh — CLUBHOUSE — Deauville Beach Club, c/o Reaume Organization, Ford City, general contract 10 story, basement, rein.-con., brick, steel, plain found., near here, to F. R. Patterson Constr. Co., McKerchey Bldg., Detroit, Mich. Est. $1,000,000.

Ont., Toronto — APARTMENT — E. C. Bastable, 23 Martin Crescent, 3 story, basement, four 42 x 100 ft. units, rein.-con., brick, steel, plain found., Eglinton Ave., day labor. $200,000. F. MacKinnon, 2279 Queen St. E., archt.

Ont., Toronto—APARTMENT—H. Goldman, c/o Kaplan & Sprachman, archts., 305 Dundas St. W., general contract 4 story, basement, 40 x 109 ft., rein.-con., brick, steel, stone, plain found., Vaughan Rd., to D. Sher, 295 Crawford St. Est. $150,000.

Ont., Toronto—ELECTRICAL and ENGINEERING—S. M. McBridge, mayor, City Hall, general contract 1 and 2 story, basement, 250 x 500 ft., concrete, brick, steel, to Sullivan & Fried, 81 Victoria St., $443,-565; electrical work, to Canada Electric Co., 175 King St. E., $39,700. Noted Feb. 2.

Ont., Toronto—EXPRESS—J. W. R. Ambrose, ch. engr. Toronto Terminals Ry. Co., New Union Sta., general contract 3 story, basement, 50 x 600 ft., rein.-con., brick, steel, plain found., York and Station Sts., to Peter Lyall & Sons Constr. Co., New Union Sta. Est. $750,000. Noted June 7.

Ont., Toronto — HOSPITAL — Toronto General Hospital Bd., 101 College St., general contract 9 story, basement, 180 x 230 ft., rein.-con., brick, steel, stone, plain found., University Ave., to W. H. Yates Constr. Co., 95 King St. E. Est. $1,500,000.

Sask., Saskatoon—STORE—T. Eaton Co. Ltd., Yonge and Queen Sts., general contract 8 story, basement, rein.-con., brick, steel, stone, plain found., to Smith Bros. & Wilson, 1420-8th Ave., Regina; steel, to Dominion Bridge Co. Ltd., Canada Bldg., Winnipeg, Man. Est. $600,000. Noted Jan. 12.

B. C., North Vancouver—HOSPITAL—North Vancouver City and Dist., City Hall, 3 story, 60 bed, rein.-con., stucco, plain found., 13th St. W., to H. C. Redmond, 3715 West 38th St., Vancouver, $175,080. Noted June 14.

N. S., Digby—HOTEL—Canadian Pacific R.R., Windsor Sta., Montreal, Que., 100-room hotel, and swimming pool, to Parsons Ed Co. Ltd., Moncton, N. B. Noted Jan. 26.

Buildings—Industrial

Proposed Work

Mass., Chelsea (br. Boston)—FACTORY—Panco Rubber Co., F. Bermstein, pres., 31 Highland Ave., revised plans by Schein & Levine, 448 Bway., 2 story, 90 x 100 ft., concrete found., Highland Ave. To exceed $40,000. Former bids rejected. Noted Dec. 29.

Mass., Foxboro—POWER HOUSE—Dpt. Mental Diseases soon takes bids 1 story, rein.-con. brick addition, pump room, plain found., State Hospital. $40,000. McLaughlin & Burr, 88 Tremont St., Boston, archts.

Mass., Hyannis—SERVICE GARAGE, SHOWROOM and REPAIR SHOP—Robertson Motor Co., School St., Taunton, brick. Barnstable Rd. $50,000. Private plans.

Mass., Millbury—POWER PLANT—Millbury Steel Fdry. Co., c/o C. T. Lund, pres., 1 story, 60 x 100 ft., brick, rein.-con., steel power plant. To exceed $40,000.

Conn., Danbury — FACTORY — Danbury Industrial Corp., c/o J. E. Pike, plans by Sutherland & Watson, 248 Main St., 1 story, brick, Shelter Rock Rd. $75,000.

Conn., Norwalk—STORE and OFFICE—W. F. Bishop, Birch St., plans by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, 4 story, basement, 75 x 100 ft., brick, stone, steel, Wall St. $150,000.

N. Y., Buffalo—FACTORY—Dupont Cellaphane Co., River Rd., sketches by Dupont Eng. Co., River Rd., factory, River Rd.

N. Y., New York—FACTORY and SHOWROOM—Vestrymen of Trinity Church, 72 Wall St., plans by V. Mayper, 15 East 40th St., 12 story, 130 x 200 ft., brick, steel addition, 160 Varnick St. $500,000.

N. Y., New York—SERVICE GARAGE—R. Kelly, 4375 Carpenter Ave., plans by J. P. Boyland, 305 East Kingsbridge Rd., 1 story, 75 x 150 ft., brick, concrete, Bronx Blvd. and 237th St. $40,000.

N. Y., New York—SERVICE GARAGE—Mulliner Realty Corp., F. Freiden, pres., 1875 Garrison Ave., plans by C. A. Clark, 441 Tremont Ave., 1 story, 95 x 100 ft., brick, concrete, Mayflower and Wilkinson Aves. $40,000.

N. Y., New York—SERVICE GARAGE—Stores Building Co., M. Brenerstock, pres., 463 7th Ave., plans by Shampan & Shampan, 188 Montague St., Brooklyn, 2 story, 100 x 277 ft., brick, concrete, Brady Ave. and Unnamed street. $200,000.

N. Y., New York—SHOP and GARAGE—Woodlawn Cemetery, H. C. Smith, pres., 20 East 23rd St., plans by J. R. Ward, 10 West 33rd St., 2 story, 62 x 100 ft., brick, concrete, 233rd St. and Katonah Ave. $100,000.

N. Y., New York—SHOP and GARAGE—Consolidated Gas Co., 130 East 15th St., 1 story, 28 x 138 ft., brick, timber, 400 East 22nd St. $40,000. Private plans.

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Buildings—Industrial (Continued)

N. J., Carlstadt (Ind. br. Rutherford)—FACTORY—Koeppen Metal Products, Inc., 361 Manhattan Ave., Union City, 2 story, 80 x 350 ft., concrete chromium plating factory. $60,000.

N. J., Jersey City — PASTEURIZING PLANT—C. H. Ziegler, archt., 75 Montgomery St., rejected bids general contract 2 story, basement, 80 x 180 ft., brick, steel, plain found., 14th and 15th Sts., for Peck Products Co., c/o architect. Noted June 28.

N. C., Charlotte — GARAGE — See "Streets and Roads."

N. C., Rocky Mount — MILL — Rocky Mount Cotton Mills Co., new mill unit.

N. C., Tarboro—POWER PLANT—City Comrs. issuing $100,000 bonds, enlarging power plant.

Ala., Mobile—FACTORY—General Cable Corp., c/o R. M. Fraser, ch.engr., 420 Lexington Ave., New York, plans factory.

Miss., Cleveland — HEATING PLANT — See "Buildings-Educational, Religious."

Miss., Ellisville—LAUNDRY—See "Buildings Commercial."

Miss., Greenville—POWER PLANT—City power plant. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs.

O., Apple Creek—POWER HOUSE—Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., plans by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 80 x 109 ft., steel, brick, rein.-con. power house, 32 ft. high, Institution for Feeble Minded. $40,000.

O., Cleveland — FACTORY — Ferbert-Schorndorfer Co., 12815 Elmwood St., A. J. Ferbert, pres., brick, steel extension, 12815 Elmwood St. $60,000. Engineer and architect not selected.

O., Columbus — REPAIR GARAGE — Stanton Motors, Inc., 841 North High St., plans by Richards, McCarty & Bulford, 584 East Broad St., 2 story, basement, brick, stone, concrete, 584 East Broad St. $85,000.

Mich., Detroit—FACTORY—Forham Tool Co., c/o Lane, Davenport & Peterson, archts., Charlevoix Bldg., 2 story, 60 x 60 ft., rein.-con., brick, plain found., Woodrow Wilson Ave. $75,000.

Mich., Pontiac — FOUNDRY — Oakland Motor Car Co., 1 story, 245 x 260 ft. foundry, 2 story, 60 x 360 ft. service building, 1 story, 160 x 247 ft. core building, 80 x 225 ft. sand storage building, 3 story, 60 x 100 ft. cupola building, 1 story, 120 x 270 ft. casting cleaning building, all rein-con., brick, steel, plain found., Baldwin and Joslyn Rds. $2,000,000. L. A. Blackburn, c/o owners, engr.

Ill., East St. Louis — FURNACE FACTORY—East St. Louis Casting Co., c/o R. M. Hill, pres., 16th St. and Kansas Ave., rein.-con. factory, St. Clair Ave. and Alton & Southern R.R. tracks.

Ia., Marshalltown—FACTORY—Marshalltown Trowel Co., 1 story addition. $150,000.

Mo., Springfield—STOCK FEED MANUFACTURING — Missouri Farmers Assn., Springfield, and H. A. Howden, Virginia Bldg., Columbia, sketches feed manufacturing plant, concrete, brick. $100,000.

Tex., Driscoll—COTTON GIN PLANT—Farm Bureau Gin Co., Robstown, 100 bale capacity, five 80 saw gin stands, electrically driven plant. $40,000. Private plans.

Tex., Laredo — REFINERY PLANT — Texas-Mexican Oil & Refinery Co., enlarging plant, installing new machinery. $60,000. Private plans.

Tex., Plainview—POWER PLANT—Community Power & Light Co., c/o Planters Bldg., St. Louis, Mo., and Texas Utilities Co., Plainview (recently merged), superpower plant. Private plans.

Tex., San Angelo—PLANT—Texas Compress Co., Ballinger, 1 story plant, on 8 acre site, near here. $65,000. Private plans.

Okla., Page—CARBON PLANT—Page Carbon Co. sketches, new carbon plant. $75,000. Private plans.

Wash., Seattle—SUBSTATION and OFFICE—City Light Dpt., J. D. Ross, supt., 2 story, basement, sub-basement, 70 x 111 x 126 ft. sub-station and office building, 3rd and Madison Sts. $300,000. Engineer and architect not selected.

Calif., Lindsay — PACKING PLANT — Pepper Fruit Co., concrete packing plant. $45,000 or more.

Calif., Napa—PRE-COOLING PLANT, etc.—Union Ice Co., 354 Pine St., San Francisco, pre-cooling and storage plant, 7th St. and Soscol Ave. $300,000. Private plans.

Calif., South San Francisco — SHOPS — Pacific Coast Steel Co., Hunter-Dulin Bldg., San Francisco, 2 and 3 story, 100 x 450 ft. shops, 80 x 1,408 t. machine shop, timber, concrete. $600,000. Private plans.

Que., Buckingham—LUMBER MILL—McLaren Lumber Mill Co. Ltd., mill. To exceed $100,000.

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Que., Cap de la Madeleine—FACTORY—Natl. Forest Products Co. Ltd., c/o Canada Power & Paper Co. Ltd., factory. Private plans.

Que., St. Hyacinthe—FACTORY—Otto Higel Co. Ltd., 680 King St. W., Toronto, factory. $100,000.

Ont., London—HEATING PLANT—City Council extending heating plant, new brick boiler house, installing 400 hp. boiler at Victoria Hospital. $40,000.

Ont., Mount Denis — FACTORY — Firstbrook Bros., 283 King St. E., Toronto, rein.-con., brick, steel, plain found. $300,000. Engineer and architect not selected.

Ont., Toronto—FACTORY—Kilgours Ltd., 21 Wellington St. W., 7 story, basement, 100 x 200 ft., rein.-con., brick, steel, plain found., Fleet St. $250,000. Engineer and architect not selected.

Ont., Toronto—MACHINE SHOP—Link Belt Ltd., 791 Eastern Ave., plans by Ewart, Armer & Byam, 36 Toronto St., and soon takes bids 1 story, 105 x 160 ft., rein.-con., brick, steel, plain found., Eastern Ave. $60,000.

Ont., Weston — FACTORY — Arco Co. Ltd., 16 Liberty St., Toronto, plans by Chapman & Oxley, Northern Ontario Bldg., Toronto, rein.-con., brick, steel, plain found. $150,000-$200,000.

Sask., Saskatoon—MOTOR ASSEMBLY PLANT — General Motors of Canada, Oshawa, plans by Hutton & Souter, 6 James St. S., Hamilton, 2 story, rein.-con., brick, steel, plain found. $150,000.

Bids Desired

Mass., Bridgewater—POWER PLANT—Commonwealth of Massachusetts, Dpt. Educ., Boston, taking bids rebuilding 1 story, brick power plant at State Normal School. $80,000. E. D. Kimball Co., 6 Beacon St., Boston, engr. Henry & Richmond, 12 West St., Boston, archts. Noted May 17.

Conn., Norwalk — FACTORY — Sunfast Hats, Inc., c/o Fletcher-Thompson Inc., archts., 542 Fairfield Ave., Bridgeport, bids about July 1, 3 story, basement, 200 x 300 ft., rein.-con., plain found., Rowan St.

N. Y., New York — GARAGE — A. J. Thomas, archt., 2 West 46th St. bids about July 14, garage, 338 East 48th St., for J. P. C. Realty Corp., J. P. Carney, pres., Grand Central Terminal Bldg. $90,000.

N. J., Newark—RADIO TUBE FACTORY —See "Contracts Awarded."

Pa., Aliquippa—LAUNDRY—J. F. Bontempo, archt., Woodlawn, taking bids 1 and 2 story, basement, 50 x 150 ft., brick, steel, concrete laundry, for Woodlawn Laundry Co., Aliquippa. $50,000.

O., Cleveland—FACTORY and OFFICE —Federal Fdry. Supply Co., R. Ditty, pres., 2639 East 79th St., taking new bids on revised plans 1 story, 90 x 260 ft., brick, steel, East 71st St. and Belt Line R.R. Former bids rejected. E. A. Weiland & Co., 2725 Prospect Ave., archts. Noted June 28.

Ill., Chicago—PRINTING PLANT—A. S. Alschuler, Inc., archts., taking bids 10 story, 125 x 150 ft., rein.-con., brick, 318-328 South Jefferson St., for J. T. Igoe, Van Buren and Jefferson Sts. $1,000,000. Noted Nov. 10.

Kan., Kansas City—MANUFACTURING —See "Contracts Awarded."

Contracts Awarded

N. H., Claremont—PRINTING PLANT —Eagle Press, 1 story, basement, 40 x 90 ft., brick, plain found., to W. B. Fletcher, 1 Brookside Ave. Est. $40,000.

Mass., South Boston (sta. Boston) — MANUFACTURING — Hunt-Spiller Mfg. Co., 383 Dorchester Ave., altering and constructing 1 story, 45 x 75 ft., brick, steel addition plain found, to Gibson & Williams, Inc., 65 Long Warf.

Mass., Chelsea (br. Boston)—MANUFACTURING—Forbes Lithograph Mfg. Co., 1 story, 60 x 200 ft. top addition, to Aberthaw Co., 80 Federal Marine Dept., 201 Marginal St., Boston.

Mass., Somerville (br. Boston)—PLANT —American Radiator Co., 129 Federal St., Boston, 1 story, 75 x 165 ft., brick, rein.-con. additional unit, plain found., Park St., to F. O. White Constr. Co., 100 Everett St., Arlington. Est. $50,000. Noted June 28.

Conn., East Norwalk—LABORATORY—R. T. Vanderbilt Co., c/o W. H. Cope, 50 East 42nd St., New York, 3 story, 50 x 80 ft., brick, steel, Winnfield St., to Hewlett Co., 886 Main St., Bridgeport. Est. $55,000. Noted June 2.

Conn., New Britain—MANUFACTURING —Fafnir Bearing Co., 6 story, 60 x 290 ft., rein.-con. addition to Aberthaw Co., Federal Marine Dept., 201 Marginal St., Boston, Mass.

N. Y., Brooklyn—PRINTING PLANT—Hamilton Bank Note Co., G. A. Fields, 4 story, brick, concrete addition, to J. R. Wild, 8 West 40th St., New York. Est. $75,000. Noted June 21.

N. Y., Brooklyn—STORAGE and FACTORY—New York Dock Co., 44 Whitehall St., New York, storage and factory, over 950,000 sq.ft., floor space, to White Constr. Co., 95 Madison Ave., New York. Est. $2,218,000. Noted Mar. 1.

N. Y., Mechanicsville — PLANT — West Virginia Pulp & Paper Co., 200 5th Ave., New York, brick, steel additions, to Morton C. Tuttle Co., 31 St. James Ave., Boston, Mass. Est. $500,000.

N. Y., Niagara Falls—FACTORY—Carborundum Co., Buffalo Ave., 81 x 224 ft., rein.-con. factory, to Laur & Mack, 1400 College Ave., $225,000. Noted June 28.

N. J., Asbury Park—BOILER HOUSE—Mayfair Theatre Corp., general contract 1 story, 30 x 60 ft., brick, steel, plain found., to Edgewater Constr. Co., 156 East 42nd St., New York. Est. $40,000.

N. J., Newark—RADIO TUBE FACTORY —Radio Tube Corp., 88 8th Ave., 3 story, basement, brick, steel, plain found., separate contracts. $60,000. Siegler & Greenberg, 164 Market St., archts. Noted June 28.

N. J., North Bergen — FACTORY — P. Summer, 1827 Bergen Turnpike, general contract 1 story, 90 x 100 ft., brick, steel, plain found., 995—39th St., to Bowanno Bros., 1827 Bergen Turnpike. Est. $40,000.

Pa., Allentown—GARAGE and OFFICE—Lehigh Telephone Co., 1 story, basement, 60 x 120 ft., rein.-con., brick, plain found., Linden and Jefferson Sts., to G. H. Hardner & Son, Lentz Bldg., Allentown.

Pa., Meadville — MANUFACTURING — Viscose Co., Marcus Hook, brick, steel service buildings, to J. P. Pettyjohn Co., Lynchburg, Va. Est. $1,000,000. Noted Apr. 5.

D. C., Wash. — PRINTING PLANT — United States Daily Publishing Corp., D Lawrence, pres., 27th and M Sts., printing building and office addition, 22nd and M Sts., to F. Drew, 2525 Penn. Ave. N. W. Est. $100,000.

O., Cleveland — FACTORY — Ohio Fdry. Co., W. H. Smith, pres., 9806 Quincy Ave., 1 story, 150 x 200 ft., brick, steel, 9608 Quincy Ave., to H. B. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Est. $100,000. Noted June 14.

O., Cleveland—FORGE SHOP—Gears & Forgings, Inc., 2952 East 92nd St., 1 story, 50 x 132 ft., steel, 2952 East 92nd St., to R. S. Ursprung, Berea. Est. $40,000.

Ind., Ft. Branch—PACKING PLANT—Emge Packing Co., general contract brick, steel to Scarborough & Davis, Old State Bank Bldg., Evansville. Est. $100,000.

Ind., Ft. Wayne — FACTORY — Wayne Knitting Co., general contract rein.-con., brick, steel factory, dye house, boiler room, to Indiana Eng. Co., 201 Central Bldg. Est. $50,000.

Ind., Muncie—FACTORY, etc.—Warner Gear Co., general contract 2 story, rein.-con., brick, steel factory, to A. J. Glaser, 610 Jefferson St., est. $75,000; 1 story, 150 x 250 ft., brick, steel machine shop, to Austin Co., 16112 Euclid Ave., Cleveland, O., est. $50,000.

Mich., Detroit—ALUMINUM FOUNDRY —Packard Motor Car Co., 1580 East Grand Blvd., general contract brick, steel addition, concrete tunnel for conveyor equipment, to Everett Winters Co., 1651 East Grand Blvd. Est. $100,000. Noted June 14.

Ill., East St. Louis — FERTILIZER PLANT—Darling & Co., Mississippi Ave., and Alton & Southern R.R., rein.-con., steel, protective metal addition, to Austin Co. Arcade Bldg., St. Louis, Mo., and 510 South Dearborn St., Chicago. Est. $100,000.

Ia., Clinton—FACTORY—Lubbers & Bell Mfg. Co., 200 North 2nd St., 1 story, 86 x 161 ft., concrete, brick, to O. Haring, Clinton. Noted June 28.

Ia., Clinton—FURNITURE FACTORY—Kelly Mfg. Co., 3 story, basement, 82 x 160 ft., brick, stone, to W. L. Yokom, Dubuque.

Kan., Kansas City—MANUFACTURING —J. T. Gilman Granite Co., 1304 Elmwood Ave., Kansas City, Mo., 50 x 250 ft., and 40 x 40 ft. steel, tile manufacturing buildings, day labor.

Ore., Portland—INDUSTRIAL SHOPS—Southern Pacific Ry. Co., G. W. Boschke, ch. engr., San Francisco, Calif., to Tranchell & Parellius, 155 Tillamook St., blacksmith Shop $17,500; flue shop $3,700; iron house $7,000; electric repair shop $7,000; school building $7,300, all 1 story, concrete, steel. Grand total $42,500.

Calif., San Jose—PACKING PLANT—Bisciglia Bros., Monterey Rd., frame, galvanized packing plant, Monterey Rd., to H. Bolwin, 1041 Garland Ave., $45,000.

Ont., London — FACTORY — Richards-Wilcox Canadian Co., W. R. Yendall, mgr., 1 story, 80 x 250 ft. addition, Chelsea

Buildings—Industrial (Continued)

Green, to John Hayman & Sons, 432 Wellington St.

Ont., Toronto—MALTING PLANT, etc.—Canada Malting Co., Royal Bank Bldg., superstructure 4 story, 150 x 200 ft., rein.-con. malting plant, and 80 x 190 ft. grain elevator, 100 ft. high, to MacDonald Eng. Co. Ltd., 434 St. Francois Xavier St., Montreal, Que. Est. $500,000. Noted May 10 under "Unclassified."

Ont., Toronto — PRINTING PLANT — McLean Publishing Co. Ltd., 149 University Ave., general contract 8 story, basement, 100 x 100 ft., rein.-con., brick, steel addition, plain found., to G. A. Fuller Co. of Canada, Metropolitan Bldg. Est. $400,000. Noted May 3.

Buildings—Educational, Religious

Proposed Work

N. H., Claremont—HIGH SCHOOL—Bd. Educ., F. H. Foster, chn., soon takes bids Senior and Junior High School, 2 story, basement, brick, stone, plain found., Broad and Summer Sts. $250,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts. Noted Apr. 26.

Mass., Lexington—CHURCH—St. Bridget's Roman Catholic Church, W. J. McCarthy, pastor, plans by E. T. P. Graham, 171 Newbury St., Boston, 1 story, basement, brick, stone, plain found., Follen St. $150,000. Noted May 31.

Mass., Lowell — PARISH HOUSE — St. Josephs Roman Catholic Church, c/o H. P. Graves, 40 Middlesex St., soon takes bids 3 story, basement, brick, stone, plain found., Decatur Ave. $150,000.

Mass., Marlboro—SCHOOLS—City, E. P. Carr, supt. schools, two grade schools, Hildreth and Bigelow Sts. $150,000 or more. Engineer and architect not selected.

Mass., Melrose—SCHOOL—City, H. H. Stuart, Main St., altering and constructing 2 story basement, brick addition to Lincoln School, Wyoming St. $180,000. Engineer and architect not selected.

Mass., New Bedford—SCHOOL—City, J. F. Tinkham, City Hall, for Vocational School for Girls. $150,000 or more. Engineer and architect not selected.

Mass., Quincy (Ind. br. Boston) — SCHOOLS — City, J. N. Muir, supt. schools, 1305 Hancock St., soon takes bids two, 2 story, basement, brick, stone, plain founds., Adams Shore and Merrymont Dist. $150,000 or more. W. Chapman, 15 Ashburton Pl., Boston, archt.

Conn., Norwalk—CONVENT—St. Joseph's Parish, D. P. Hurley, pastor, plans by W. Schmidt, 144 Golden Hill St., Bridgeport, brick, steel, Chestnut and Henry Sts. $150,000. Noted May 3.

N. Y., Brooklyn — CHURCH — Third Church of Christian Scientist, c/o S. S. Beman, 105 Monroe St., Chicago, Ill., plans by G. J. Lobenstein, 885 Flatbush Ave., 2 story, 94 x 116 ft., brick, stone, Kenmore Pl. and Albemarle Rd. $250,000.

N. Y. Hempstead—SCHOOL—Bd. Educ. (Union Free School Dist), sketches by E. Sibley, Bluff Rd., Palisades, N. J., 2 story, basement, brick, steel, plain found. William St. and Jerusalem Ave. and William St. $150,000.

N. Y., New York—COMMUNITY—Y.M.H.A., Inc., J. M. Proskauer, pres., 148 East 92nd St., plans by Racarulmer & Lehlback, 420 Lexington Ave., 100 x 195 ft., brick, steel, 92nd St. and Lexington Ave. $1,300,000.

N. Y., New York—HIGH SCHOOL—Missionary Sisters of Sacred Heart, 226 East 20th St., plans by R. Meier, 226 East 20th St., 3 story, brick, 701 Ft. Washington Ave. $200,000.

N. Y., Yonkers — HOME — New York Guild for Jewish Blind, 200 West 72nd St., bids probably in September, home Saw Mill River Parkway. $500,000. W. Katz, 6 Hudson St., archt. Noted Jan. 5.

N. J., Hackensack—SCHOOL—Bd. Educ., Administration Bldg., 12 room addition to Fairmount School. $281,430. Engineer and architect not selected.

N. J., Highland Park (br. New Brunswick)—SCHOOL—Bd. Educ., Boro Hall, bids about July 16, 2 story, basement, brick, steel addition, plain found., 3rd Ave. $150,000. A. Merchant, 52 Paterson St., New Brunswick, archt. Noted May 31.

N. J., Little Ferry — SCHOOLS — Bd. Educ., Main St., E. J. Cronin, pres., sketches by Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, two 2 story, basement, brick, steel, plain founds., one on Marchinonne Property, other location given later. $185,000 each.

N. J., Lyndhurst (br. Rutherford)—SCHOOL—Bd. Educ., Town Hall, 12 room addition to Washington School. $200,000. Engineer and architect not selected.

N. J., Metuchen—HIGH SCHOOL—Bd. Educ., Boro Hall, 2 story, basement, brick, steel, plain found. $250,000. Engineer and architect not selected.

N. J., Millburn—HIGH SCHOOL—Bd. Educ., Township Hall, high school addition, Old Short Hills Rd. $400,000. Engineer and architect not selected.

N. J., Montclair — PARISH HOUSE — First Baptist Church of Montclair, A. Cohoe, pastor, 93 Union Ave., soon takes bids, general contract 2 story, basement, brick, steel, plain found., Trinity Pl. $150,000. S. J. Baum, Spuyten Duyvil Parkway and Waldo Ave., New York, archt. G. E. Merrill, 23 East 26th St., New York, associated archt. Noted Jan. 26.

N. J., North Haledon (mail Paterson)—ORPHANAGE—Sisters Order, Daughters of Mary Help of Christians, 41 Ward St., Paterson, revised plans by J. Bellomo, 6 Park Ave., Paterson, 3 story, basement, 60 x 125 ft., brick, steel, plain found., Belmont Ave. $150,000. Former bids rejected. Noted May 3.

N. J. Teaneck (mail West Englewood) — SCHOOL and AUDITORIUUM — St. Anastiasia Roman Catholic Church, B. J. O'Neill, pastor, Robinson St., sketches by De Pace & Juster, 151 West 45th St., New York, 2 story, basement, 100 x 125 ft., brick, steel, plain found., Teaneck Rd. $150,000. Noted May 17.

Pa., Harrisburg—CHURCH—St. Marys Roman Catholic Congregation, W. V. Daily, pastor, 2121 North 3rd St., plans by Link, Weber & Bowers, 407 North Craig St., Pittsburgh, 1 story, basement, stone 3rd and Woodbine Sts. $250,000.

Md., Baltimore—CATHEDRAL—Protestant Cathedral of Incarnation, Charles St. and University Parkway, plans by Frohman, Robb & Little, 140 Boylston St., Boston, Mass., 2 story, stone, Charles St. and University Parkway.

Miss., Cleveland—COLLEGE—Delta State Teachers College, sketches by C. H. Lindsley, Lamar Life Bldg., Jackson, brick, concrete academic building, dormitory, dining hall, cottages, heating plant, $350,000.

Miss., Columbia—TRAINING SCHOOL—Mississippi Industrial & Training School, sketches by V. B. Smith, Jr., Gulfport, brick, concrete power plant, girls dormitory. $175,000.

La., New Orleans — CHURCH — Grace Episcopal Church, Canal St., plans by E. Weile, Whitney Bldg., rein.-con., stone, wood pile found., Canal St. $150,000.

Tenn., Jackson—SCHOOL—Voted $225,000, school for Bd. Educ. Noted Apr. 26.

Mich., Detroit—CHURCH—Knox Presbyterian Church, c/o A. R. Morrison, archt., 804 Wormer & Moore Bldg. (1st unit), 2 story, basement, rein.-con., brick, steel, stone, plain found., Dickerson Ave. $150,000.

Mich., Detroit—CHURCH—St. Gregorys Roman Catholic Church, 6202 Hamilton Ave., plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., 2 story, basement, 65 x 180 ft., brick, steel, plain found., Dexter Blvd. $150,000.

Mich., Olivet—DORMITORY—Olivet College, E. A. Vesture, plans by Bowd & Munson, 409 Wilson Bldg., Lansing, 2 story, basement, mens dormitory, rein.-con., brick, steel, plain found. $150,000.

Ill., Park Ridge—CHURCH—E. A. Nitsche, archt., 28 East Huron St., Chicago, soon takes bids 1 and 2 story, L shaped, brick, stone, Prospect and Cedar Sts., for St. Lukes English Lutheran Congregation. $150,000. Noted May 24.

Ia., Cedar Rapids—GYMNASIUM—Coe College, H. G. Page, pres., plans by Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., new gymnasium. $250,000.

Ia., Ottumwa — CHURCH — St. Marys Congregation church. $150,000. Engineer and architect not selected.

Neb., Omaha — ART MEMORIAL — Society of Liberal Arts, S. H. Joslyn, pres., 3902 Davenport St., soon lets contract 2 story, basement, 160 x 333 ft., rein.-con., steel, tile, marble, Dodge St. J. and A. McDonald, 604 Standard Oil Bldg., archts. Noted May 17.

Mo., St. Louis — HOME for AGED — Lutheran Altenheim, 1906 Lafayette Ave., sketches rein.-con., brick, stone home for aged. $500,000.

Ark., North Little Rock (Ind. br. Little Rock)—SCHOOL—Bd. Educ. plans by G. R. Mann, Donaghey Bldg., Little Rock, 4 story, basement, brick, art stone, concrete, 22nd and Main Sts. $350,000.

Tex., Houston—HIGH SCHOOL—Houston Independent School Dist., c/o H. L. Mills, 1600 Washington Ave., plans by Hedrick & Gottlieb, 2008 Post Dispatch Bldg., Senior High School addition, incl. auditorium and shops, 13th and Arlington Sts. $200,000.

Wash., Seattle — CHURCH — St. Josephs Parish, W. J. Deeney, pastor, plans by C. F. Mahon, Lloyd Bldg., 1 story, basement, 80 x 220 ft., concrete, steel, stone, 18th and Aloha Sts. $250,000.

Calif., Chico—ADMINISTRATION—State plans by G. B. McDougall, state archt., 615 Forum Bldg., Sacramento, 2 story, basement, 100 x 260 ft., rein.-con., brick, steel, plain found., for State Teachers College. $175,000.

Calif., Crescent City—SCHOOL—Crescent City Elementary School Dist., plans by N. R. Coulter, 46 Kearny St., San Francisco, rein.-con. school. $150,000.

Calif., Eagle Rock — CHURCH — Roman Catholic Archbishop, Los Angeles, plans by W. P. Major, 2051 Addison Way, rein.-con., Merton Ave. $150,000.

Calif., Fresno—HIGH SCHOOL—Roman Catholic Archbishop, plans by Swartz & Ryland, Brix Bldg., timber on 10 acre site. $300,000.

Calif., Hollywood — CHURCH — St. Thomas Episcopal Church sketches by H. H. Martin, Slavin Bldg., Pasadena, rein.-con., Hollywood Blvd. $300,000.

Calif., Livermore — HIGH SCHOOL — Livermore Union High School Dist. fireproof high school. To exceed $150,000. Engineer and architect not selected.

Calif., San Lorenzo — SCHOOL — San Lorenzo School Dist. plans by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, brick or concrete, school. $150,000.

Que., Montreal—CHURCH—Roman Catholic Parish of St. Louis de Gonzague, new church, Rachel St. $600,000. Private plans.

Ont., Oshawa — INSTITUTE—Governors Collegiate Institute, 17 room addition, Simcoe St. $200,000.

Ont., Toronto—LIBRARY—Wycliffe College, Haskin Ave., plans by Chapman & Oxley, Northern Ontario Bldg., 2 story, basement, rein.-con., brick, steel, incl. alterations to present building, plain found., Haskin Ave. $150,000.

Ont., Walkerville—SCHOOL—Bd. Educ. plans by Nichols, Sheppard & Masson, Equity Bldg., Windsor, 2 story, basement, rein.-con., brick, steel, stone, plain found., Lens Ave. $160,000. Noted Feb. 16.

B. C., Vancouver—SCHOOL—Bd. School Trustees, 590 Hamilton St., plans by H. W. Postle, 590 Hamilton St., completing 4 story, rein.-con., incl. swimming pool, auditorium, shops, Bway. E. and Clinton St. $195,000. P. P. Brown, 407 London Bldg., engr.

Bids Desired

N. H., Concord—SCHOOL—Sacred Heart Roman Catholic Church, A. A. Sylvester, pastor, taking bids 2 story, basement, brick, stone, plain found., Pleasant St. $150,000. W. E. Provest, 1061 Elm St., Manchester, archt.

Mass., Springfield—SCHOOL—July 10, by H. L. Dorman, chn. com., 1 and 2 story, brick steel addition, incl. gymnasium and cafeteria, Chestnut and Prospect Sts. $270,000. E. C. and G. C. Gardner, 33 Lyman St., archts. Noted May 10.

Conn., New Britain—SCHOOL—July 16, by City, J. M. Halloran, chn., 4 story, 150 x 190 ft., brick, steel addition, plain found., Bassett St. $500,000. Holmer-Powers Co., Capital Loan Bldg., Lansing, Mich., archts. Noted June 30.

N. J., Elizabeth—SCHOOL—Bd. Educ., 417 South Broad St., bids about Aug. 1, general contract, School 20, 2 story, basement, brick, steel, plain found., 5th St. and Magnolia Ave. $300,000. H. B. Brady, 333 North Broad St., archt. Noted May 24.

N. J., Roselle (Ind. br. Elizabeth)—HIGH SCHOOL—Bd. Educ., Boro Hall, bids about July 2, 3 story, basement, brick, steel, plain found. $250,000. F. A. Flasasser, Falls Bldg., Morris Ave., Union, archt. Noted Apr. 5.

Pa., Altoona—HIGH SCHOOL—July 20, by Bd. Educ. and Hersh & Sholler, archts., Commerce Bldg., West Side Junior High School, 2 and 3 story, basement, brick, steel. $800,000.

Pa., Hillsville — CONSOLIDATED SCHOOL — July 6, by Bd. Educ., Mahoning Twp. R. McBridge, R. F. D. Lowellville, O., and W. G. Eckles Co., archts., New Castle, Pa., 2 story, basement, 200 x 200 ft., brick, hollow tile, Mahoning Twp. $150,000.

Fla., Gainesville—DORMITORY—July 9, by Florida State Bd. Control, dormitory on University grounds. R. Weaver, 200 Peabody Hall, archt.

La., New Orleans—SCHOOL—Aug. 7, by E. A. Christy, archt., City Hall, 3 story, rein.-con., stone, steel, pile found., Mio St.,

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Buildings—Educational, Religious (Cont.)

for Orleans Parish School Bd., City Hall. $150,000.

La., St. Martinsville—SCHOOL—July 17, by I. G. Monteguot, superv. St. Martins Parish School Bd. 2 story, rein-con., brick, steel wood pile found. $150,000. W. T. Nolan, Canal Bank Bldg., New Orleans, archt.

Ky., Erlanger—(br. Covington)—HIGH SCHOOL—July 9, by Erlanger-Elmer Public School Welfare Assn., at office H. McClorey, archt., Bank of Commerce Bldg., 4th and Main Sts., Cincinnati, O., high school.

Mich., Detroit—SCHOOL—July 12, by C. A. Gadd, bus. mgr. Bd. Educ., 2 story, basement, rein.-con., brick, steel, stone, plain found., Mt. Elliott and Canfield Sts. $175,000.

Mich., Ludington — CHURCH — S. C. Allen, archt., 205 Eddy Bldg., Saginaw, taking bids and opens same about July 10, 3 story, basement, irregular shaped, 115 x 132 ft., rein.-con., brick, steel, plain found., Court St., for Community Church Congregation. $150,000. Noted Sept. 29.

Ill., Wilmette — CHURCH — Wilmette Methodist Episcopal Congregation, H. G. Smith, pastor, 1018 Lake St., bids about Aug. 15, 2 story, basement, rein.-con., brick, stone, Lake St. and Wilmette Ave. $400,000. Granger & Bollenbacher, 333 North Michigan Ave., Chicago, archts. Noted June 21.

Bids Received

Mich., Flint — SCHOOL — Bd. Educ., 2 story, basement, 110 x 230 ft., rein.-con., brick, steel, plain found., from F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $218,800. Noted May 24.

Mich., Flint — SCHOOL — C. J. French, secy. Bd. Educ., June 6, 2 story, basement, 110 x 230 ft., rein.-con., brick, steel, plain found., Mott Ave., from Sorensen & Gross Constr. Co., Grand Rapids, $209,600. Noted May 31.

Contracts Awarded

Mass., Lynn—HIGH SCHOOL—City, c/o City School Comn., City Hall, general contract altering and constructing 2 story, basement, 75 x 160 ft., brick, stone addition to Western Junior High School, plain found., incl. boiler house, coal pocket, Hood St., to E. J. Rappoli, 53 Central St., Arlington, $105,439. Noted June 21.

Mass., Shelburne Falls — CHURCH — Congregational Church, J. Purdue, pastor, 1 story, basement, brick, to F. T. Ley & Co., Inc., 1215 Main St., Springfield. $150,000. Noted June 21.

Mass., South Boston—(sta. Boston)—CHURCH and PARSONAGE—South Boston Baptist Church, L. W. West, pastor, 1 story, basement irregular sized, brick, stone, plain found., to Somers & Drisco, 31 St. James Ave. Est. $150,000. Noted May 31 under "Boston."

R. I., Providence—SCHOOL and AUDITORIUM—St. Pius Chapel, W. A. Sullivan, pastor, 2 story, basement, brick, stone, plain found., Eaton St., to O. and S. Lavigne, 10 Weybosset St. Est. $150,000. Noted June 7.

Conn., Norwalk — CONVENT — Holy Ghost Fathers, 4 and 5 story, 45 x 110 ft., brownstone, tile, to J. Christiano, 431 Greenwich Ave., Greenwich. Est. $200,000. Noted Apr. 19.

N. Y., Cooperstown — HIGH SCHOOL — Bd. Educ., general contract high school addition, to C. M. McLean & Son., 332 Water St., Binghamton. Est. $150,000.

N. Y., Corona—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 143, 113th St., 34th and 37th Aves., to G. F. Driscoll Co., 115 Schermerhorn St., Brooklyn, $305,940; heating, to Astoria Heating Co., 41-51 70th St., Astoria, $50,220. Noted May 31.

N. Y., Jackson Heights (sta. Flushing)—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 148, to Concord Constr. Co., 476 Seneca Ave., Brooklyn, $519,800; heating, to H. Starkman & Sons, 1482 2nd Ave., New York, $77,000. Noted June 14.

N. J., Morristown—HIGH SCHOOL—Bd. Educ., 50 Early St., general contract 3 story, basement, brick, steel, plain found. Early St. and Atno Ave., to Closson Parkhurst Eng. Corp., 105 West 40th St., New York, $249,396; steam heating, to F. P. Farrell, 269 Camden St., Newark, $33,327; plumbing, to J. A. Faber Plumbing Co., 237 Diamond Bldg., Hawthorne, $18,458. Noted June 21.

Pa., Meadville—RECITATION HALL—Allegheny College, J. A. Beebe, pres., general contract 2 story, basement, 64 x 130 ft., brick, steel, to H. Platt Co., Scott Blk., Erie. Est. $150,000.

O., Akron—HIGH SCHOOL—Bd. Educ., I. M. Moses, clk., 2 story, basement, 85 x 210 ft., brick, steel, concrete, to Smith Constr. Co., Dover, $226,500. Noted June 7.

O., Gambier—RECREATION HALL—Kenyon College, W. S. Pierce, pres., general contract brick, steel, concrete recreation hall, to Crowell & Little Constr. Co., 930 Hanna Bldg., Cleveland. Est. $250,000.

O., Wooster—SCHOOL—Immaculate Conception Parish, W. L. Moriarity, pastor, 2 story, basement, 60 x 106 ft., rein.con., brick, steel, to Super-Built Constr. Co., 1836 Euclid Ave., Cleveland. Est. $150,000.

Ind., Indianapolis — CHURCH — North Methodist Episcopal Church, F. Hoke, chn. com., 3445 Washington Blvd., general contract brick, steel, to L. Colvin, Continental Bank Bldg.; steel, to R. E. Berner, 401 South Harding St. Est. $350,000. Noted Feb. 16.

Mich., Pontiac—RECREATION and GARAGE—M. D. Hubbard, South Saginaw St., 3 story, basement, 135 x 195 ft., rein.-con., brick, plain found., Water St., to H. K. Ferguson Co., General Motors Bldg., Detroit. Est. $250,000.

Ill., Maywood—SCHOOL—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, 2 story, 100 x 150 ft., to G. W. Bond, 144 North Kedzie Ave., Chicago; heating, to W. B. Graves Heating Co., 162 North Des Plaines Aves., Chicago; plumbing, to Marcus Weil & Sons Co., 3222 Elston Ave., Chicago; electrical work, to Davies Electric Co., 128 North Jefferson St., Chicago. Est. $155,000. Noted May 3.

Mo., St. Louis—NURSES HOME—Jewish Hospital of St. Louis, 216 South Kingshighway, general contract 7 story, basement, 107 x 125 ft., to Selden Breck Co., Fullerton Bldg. Est. $300,000. Noted May 24.

Calif., Bakersfield—AUDITORIUM and CLASSROOM—Kern Co. High School Dist., rein.-con., brick, to Currie & Dulgar, Kern County Land Bldg., $155,300. Noted June 28.

Ont., Hamilton — SCHOOL — Bd. Educ., general contract 2 story, basement, rein.-con., brick, stone, plain found., Wexford Ave., to W. H. Cooper, Ltd., 6 Hughson St. N. Est. $175,000.

Ont., Leamington—SCHOOL—R. M. Selkirk, secy. P. School Bd., general contract 2 story, basement, rein.-con., brick, steel, stone, plain found., to W. W. Link & Son, Albert St. Est. $150,000. Noted May 10.

Ont., Port Arthur—SCHOOL—Bd. Educ., general contract 3 story, basement, rein.-con., brick, steel, stone, to M. H. Braden, Orillia. Est. $300,000. Noted Apr. 5.

Ont., Sarnia—SCHOOL—Bd. Educ., general contract 3 story, basement, 20 room, rein.-con., brick, steel, stone, plain found., to Britnell Contg. Co., Baxter St., Toronto, $131,356; heating and ventilating, to K. White, Sarnia, $29,971. Noted June 30.

Ont., Toronto — SCHOOL — East York Twp., 443 Sammon Ave., Toronto, general contract 2 story, basement, rein.-con., brick, steel addition, plain found., to Witchall & Son, 156 St. Helens Ave. Est. $175,000. Noted May 10.

Federal Government Work

Proposed Work

Va., Hampton Roads—STOREHOUSE—Spec. 5623—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 3 story, 102 x 242 ft., rein.-con., steel, cinder block and hollow tile, at Naval Operating Base (Air Station).

Bids Desired

Connecticut — DREDGING — Aug. 3, by U. S. Engineer Office, Providence, R. I., dredging in Thames River; adv, E. N.-R. July 5.

Connecticut — DREDGING — Aug. 4, by U. S. Engineer Office Providence, R. I., dredging in Housatonic River, Conn.; adv. E. N.-R. July 5.

N. Y., Albany—DREDGING, etc.—Aug. 2, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, dredging, rock removal in Hudson River about 10.75 mi. south of here; adv. E. N.-R. July 5.

Pa., Phila.—DREDGING—Spec. 5624—July 11, Bureau Yards & Docks, Navy Dpt., Wash., D. C., dredging.

Maryland—ROADS—July 27, by U. S. Engineer Office, Wilmington, Del., constructing 3.92 mi. road between Bethel and Chesapeake City; adv. E. N.-R. July 5.

D. C., Wash.—GRANITE—July 18, at office Executive Officer, Arlington Memorial Bridge Comn., Navy Bldg., granite for Boundary Channel Bridge of Arlington Memorial Bridge Project; adv. E. N.-R. July 5.

Va., Fort Humphreys—BARRACK—July 26, at office Constructing Quartermaster, 2 engineering company barrack buildings; adv. E. N.R. July 5.

Va., Quantico — ROADS — Spec. 5641 — July 6, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., bituminous macadam paving roads at Marine Barracks.

North Carolina—DREDGING—Aug. 2, by U. S. Engineer Office, dredging in Alligator River; adv. E. N.-R. July 5.

Miss., Vicksburg—MIXING PLANT MACHINERY—July 16, at office Third Mississippi River Dist., P.O. Box 404, concrete mixing plant machinery; adv. E. N.-R. July 5. Noted June 21.

La., Carville—ENGINE—July 19, by Treas. Dpt., at office Supervising Archt., Wash., D. C., new engine at Lepers Home.

O., Sandusky—DREDGING, etc.—July 27, by U. S. Engineer Office, dredging, excavating in Sandusky Harbor; adv. E. N.-R. July 5.

Michigan—ROCK REMOVAL—July 18, by U. S. Engineer Office, Detroit, removing 1,630,700 cu.yd. earth and rock in Course 6, and 155,400 cu.yd. from near Course 3, both in Middle Neebish Channel, St. Marys River; adv. E. N.-R. July 5.

Ill., Chicago—STOREHOUSE—July 18, by Treas. Dpt., at office Supervising Archt., Wash., D. C., storehouse, at U. S. Marine Hospital.

Tex., Fort Sam Houston (sta. San Antonio)—ICE PLANT—A. W. Parker, Quartermaster Corp., taking bids 20 or 25 ton ice plant. $35,000.

California—BRIDGE—July 12, by C. H. Sweetser, dist. engr. U. S. Bureau P. Rds., 461 Market St., San Francisco, bridge, culvert on Route 1, Sect. B, Yosemite Natl. Park Hy., Mariposa Co.

Calif., Riverside—REMODELING, etc.—July 31, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E. N.-R. July 5.

Bids Received

N. Y., Beacon—DISTRIBUTING SYSTEM—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., complete outside steam distribution system, at U. S. Veterans Hospital, Castle Point, from Callahan Eng. Co., Inc., 20 Grove St., White Plains, $58,936 (120 days). Noted June 21.

N. Y., Rosebank (sta. Staten Island)—CHEMICAL STORAGE BUILDING—Treas. Dpt. at office Supervising Archt., Wash., D. C., June 21, constructing chemical storage building at U. S. Quarantine Station, from Booth Constr. Co., Inc., 69 Court St., Brooklyn, $2,769. Noted June 14.

Pa., Pittsburgh—WARD—Treas. Dpt. at office Supervising Archt., Wash., D. C., June 27, additional wards at U. S. Marine Hospital, from Unkefer Bros. Constr. Co., Bessemer Bldg., Pittsburgh, $4,640. Noted June 7.

Pa., Sharpsburg—APARTMENT, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., June 26, apartment house and officers duplex quarters at U. S. Veterans Hospital, Aspinwall, from W. P. Thurston Co., Richmond, Va., $65,000 (150 days). Noted June 14.

Ky., Dawson Springs—SHOP, etc.—U. S. Veterans Bureau, Arlington, Bldg., Wash., D. C., June 16, shop and storage building at U. S. Veterans Hospital, Outwood, from Smythe & Co., 1416 F St. N.W., Wash., D. C., $29,779. Noted June 21.

O., Cleveland—QUARTERS, etc.—Treas. Dpt. at office Supervising Archt., Wash., D. C., Hune 26, quarters and residences at Marine Hospital, from W. P. Thurston Co., Richmond, Va.; $264,000; mechanical equipment, from Virginia Eng. Co., Newport News, Va., $143,000. Noted May 24.

Illinois—EARTHWORK—U. S. Engineer Office, Northern Mississippi River Comn., Courthouse, St. Louis, Mo., June 19, earthwork in Henderson Co. D. D. 1, from La-Crosse Dredging Co., Plymouth Bldg., Minneapolis, Minn., at $0.27 per cu. yd. Noted June 7.

Wyoming—ROAD—Bureau P. Rds., Custom House, Denver, Colo., May 22 and 23, grading 4.5 mi. Norris-Junction-Madison Junction, Gibbons Canyon Sect. and 3.45 mi. East Entrance Sylvan Pass Sect. Yellowstone Natl. Park, from Morrison-Knudson Constr. Co., 319 Bway., Boise, Idaho, $122,894 and $281,555 respectively. Noted May 10.

Tex., Waxahachie — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., June 25, remodeling U. S. Post Office, from L. Van Dorp & Sons, 509 Jackson St., Topeka, Kan., $3,832. Noted June 7.

Colorado—ROAD—Bureau P. Rds., Denver, grading 3.03 mi. North and South Hy., Point Lookout Sect., Mesa Verde Natl. Park, from Shields & Flatt, 1301 South York St., Denver, $76,882; 6.09 mi. Bear Lake

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Federal Government Work (Continued)

Surfacing Project, Rocky Mountain Park, from W. A. Colt & Sons, Las Animas, $37,-250. Noted May 10 and June 7.

Oregon—ROAD—U. S. Engineer Office, Portland, improving 1.85 mi. Salmon River Rd., from Vonderhelm & Pierson, Medford, $57,942.

Oregon—ROADS—W. H. Lynch, dist. engr. U. S. Bureau Roads, Portland, improving 11 mi. Canyon City Burns Hy., Harney Co., from R. E. Harness,, Roseberg, $45,310; 4 mi. Trail Dr. 4, Douglas Co., from Elick & Co., Seattle, Wash., $35,519.

Contracts Awarded

N. Y., New York—ROOF—Treas. Dpt., at office Supervising Archt., Wash., D. C., reconstructing roof on U. S. Court House, to Natl. Ventilating Co., 75 10th St., Long Island City, $10,990. Noted May 31.

N. J., Lakehurst — REFRIGERATING EQUIPMENT—Spec. 5423—Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerating and ice making equipment, etc. at Naval Air Station, to York Mchy. Corp., 2224 Arch St., Phila., Pa., $14,418. Noted June 28.

Va., Danville—POST OFFICE, etc.—Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to King Lumber Co., Charlottesville, $4,481. Noted June 21.

Ala., Montgomery—HULL—U. S. Engineer Office, steel hull for dredge "Blackwater," to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $32,550. Noted Apr. 26.

Louisiana—LEVEE WORK—U. S. Engineer Office, New Orleans, levee work in Red River, Atchafalaya and Bayou Boeuf Levee Dists., to J. A. Lindstrom, Port Arthur, Tex., $13,365. Noted June 21.

La., Carville—WATER TANK—Treas. Dpt., at office Supervising Archt., Wash., D. C., water tank, filters, etc. at U. S. Marine Hospital, (Natl. Home of Lepers), to W. C. Spratt, Fredericksburg, Va., $19,-900. Noted June 28.

N. D., Fargo — INFIRMARY — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., infirmary buildings, to Mads Madsen Co., 702 National Bldg., Minneapolis, Minn., $229,100; elevators, to Otis Elevator Co., 810 18th St. N.W., Wash., D. C., $5,234. Noted June 14.

Mo., Kansas City — RETARDS — U. S. Engineer Office, retards at Franklin Island, Missouri River, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $35,144.

Mo., St. Louis — REPAIRING — Treas. Dpt., at office Supervising Archt., Wash., D. C., repairing U. S. Marine Hospital, to International Co. of St. Louis, 722 Chestnut St., St. Louis, $5,360. Noted June 21.

Washington—ROAD—U. S. Bureau Pub. Rds., Office District Engineer, Portland, Ore., constructing 4.1 mi. Frying Pan Sect. Rainier Park Road System, to Lidral Constr. Co., 208 Columbus St., Seattle, $153,102.

California—BARRACKS, etc.—Construction Officers, Construction Quartermaster, March Field, barracks, field officers quarters, to Mittry Bros., Detwiler Bldg., Los Angeles, $675,815; combined headquarters and operation building, radio, parachute and armament building, paint, oils and dope warehouse, also hangars, to Los Angeles Contg. Co., 4915 West Pico St., Los Angeles, $103,900 and $239,480 respectively. Noted June 21.

Calif., San Diego—PUMPING STATION—Spec. 5478—Bureau Yards & Docks, Navy Dpt., Wash., D. C., salt water pumping station, to R. E. McKee, 1128 Central Bldg., Los Angeles, $16,000. (150 days). Noted June 21.

Calif., San Francisco—STORAGE VAULT—Treas. Dpt., at office Supervising Archt., Wash., D. C., additional storage vault at Mint Building, to Clinton Constr. Co. of California, 923 Folsom St., $57,000.

Unclassified

Proposed Work

SHEEP and HOG PENS — **New York, N. Y.**—Estate C. E. Appleby, 135 Bway., altering 4 story, 98 x 500 ft., sheep and hog pens, timber, rein.-con. $300,000.

PLAYGROUND — **Millburn, N. J.** — Bd. Educ., Township Hall, grading, sidewalks, playground apparatus at Wyoming School Playground. $25,000. E. R. Halsey, 79 Academy St., Newark, engr.

GAS MAINS—**Mount Kisco, N. Y.**—Westchester Lighting Co., 45 South Bway., Yonkers, extending gas mains.

PLAYGROUND—**Union, N. J.**—Bd. City Council, City Hall, playground. $25,000. J. C. Maulbeck, City Hall, city engr.

PIER — **Reserve, La.** — **Mississippi-Warrior** Service, 320 Magazine St., New Orleans, pier, 300 ft. into river, 12 ft. wide, 30 x 100 ft. loading platform at end of pier, on Mississippi River. $30,000. A. R. Wurtele, New Orleans, engr.

LIGHTING SYSTEM—**Springfield, Tenn.**—City white way system. $25,000.

TRANSMISSION LINE, etc.—**Texas**—West Texas Utilities Co., Abilene, 10 mi. 6,600 volt high transmission line between Dodsonville and Wellington, also distribution system. $50,000. Private plans.

AIRPORT — **Henryetta, Okla.** — Preliminary plans airport. $25,000. H. M. LaRue, Henryetta, engr.

AIRPORT — **Sulphur, Okla.** — City preliminary plans airport. $25,000.

LIGHTING SYSTEM—**Waynoka, Okla.**—City preliminary plans white way system. $25,000. E. A. Jones, Enid, engr.

TRANSMISSION LINE — **Washington**—Morton City Council rejected bids transmission line between La Grande and Morton. $60,000. Will readvertise. Noted Dec. 8.

OVERPASS—**Sargeant, Calif.**—State Hy. Comn., Sacramento, overpass over Southern Pacific R.R., Santa Clara Co., here. $90,-000. Portion of cost to be borne by Southern Pacific R.R., G. W. Boschke, ch. engr., San Francisco.

HYDRO-ELECTRIC DEVELOPMENT—**Ontario**—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, 1,800 hp., probably 2 unit power plant, turbines, generators, transformer, dam, power house, cofferdams, wiring, station equipment, at Elliott Chutes on South River. $300,000. F. A. Gaby, c/o owner, ch. engr.

TEST TRACK—**Walkerville, Ont.**—General Motors of Canada, Walker Rd., grading, excavating, paving automobile test track. $50,000. Private plans.

Bids Desired

BASEBALL CAGE—**Exeter, N. H.**—July 6, by H. W. Andrews, engr., 15 East 40th St., New York, baseball cage, academy grounds, for Philips-Exeter Academy, c/o L. Perry, principal. $25,000. Noted Mar. 15.

SWIMMING POOL—**Belmar, N. J.**—C. B. Cook, archt., Asbury Park Trust Bldg., Asbury Park, bids about July 15, general contract 2 story, basement, 120 x 150 ft., brick, steel, plain found., 5th Ave. and Ocean Blvd. $375,000. Noted June 28.

HEATING—**North Bergen** (Ind. br. Weehawken), **N. J.**—July 12, by Bd. Educ., Town Hall, heating for P. S. 9, 38th and 39th Sts. Noted May 31 under "Buildings—Educational, Religious."

WOVEN WIRE FENCE—**Delaware**—See "Streets and Roads."

LIGHTING SYSTEM and AIRPORT EQUIPMENT—**Brownsville, Tex.**—July 20, by City c/o A. W. Munday, secy., lighting system for municipal airport; airport equipment, incl. storage tanks, compressor, and pumping and softening equipment. Noted June 21.

HYDRAULIC and ELECTRIC EQUIPMENT—**Oakland, Calif.**—Aug. 17, at office East Bay Municipal Utility Dist., 1924 Bway., Ray Bldg., constructing, furnishing f.o.b. Valley Springs, hydraulic and electric equipment for Pardee Power Plant, Mokelumne River. J. H. Kimball, secy.; Adv. E. N.-R. July 5.

Bids Received

PIER, etc.—**Boston, Mass.**—Repairing Commonwealth Pier 5 and altering office, from B. & M. Constr. Co., Statler Bldg., alternates from $73,807 to $75,685.

FERRYBOAT — **New York, N. Y.** — A. Goldman, comr. Plant & Structures, Municipal Bldg., June 29, steel screw ferry boat, from Todd Dry Dock Engine & Repair Co., 25 Bway., $353,241. Noted June 21.

FIRE SPRINKLERS — **Binghamton, N. Y.**—Commissioner Dpt. Mental Hygiene, Capitol, Albany, June 27, automatic fire sprinklers Binghamton State Hospital, from Automatic Sprinkler Corp. of America, 411 Heffernan Bldg., Syracuse, $15,295. Noted June 7.

GENERATING UNITS — **Ogdensburg, N. Y.**—Commissioner Dpt. Mental Hygiene, Capitol, Albany, June 27, electrical work, alternating current generating units at St. Lawrence State Hospital, from O'Connoll Electric Co., 63 Mt. Hope Ave., Rochester. Proposal 1 $162,500, Proposal 2 $151,445, Proposal 3 $140,000, and Proposal 4 $131,-500. Noted June 7.

REFRIGERATION EQUIPMENT — **Thiells, N. Y.** — Commissioner Mental Hygiene, Capitol, Albany, June 27, refrigerating equipment, Service Building, Adult Male Group, Letchworth Village, from Automatic Refrigerating Co., Inc., 618 Capitol Ave., Hartford, Conn., $6,700. Noted June 7.

REFRIGERATION EQUIPMENT—**Utica, N. Y.**—Commissioner Dpt. Mental Hygiene, Capitol, Albany, June 27, refrigeration equipment, at Utica State Hospital, from Automatic Refrigerating Co., Inc., 618 Capitol Ave., Hartford, Conn., Proposal 1 $9,400 Proposal 2, $7,891, and Proposal 3 $5,595. Noted June 7.

Contracts Awarded

WHARF—**Lynn, Mass.**—City, R. S. Bauer, mayor, City Hall, reconstructing Breed Wharf, timber wood pile, to Rendle Corp., 271 Marginal St., Chelsea. Est. $25,-000. Noted May 31.

TRAFFIC LIGHTING SYSTEM—**Newark, N. J.**—Bd. City Comrs., City Hall, traffic lighting system on Broad St., to Horni Signal Mfg. Co., 281 Hudson St., New York, $30,488. Noted June 28.

LIGHTING SYSTEM—**Modesto, Calif.**—Ornamental electrolier system 1st and 10th Sts., to Walker, Martin & Montgomery, 1005 M. St., $25,335. Noted June 28.

MOORING MAST—**Montreal, Que.**—City fabricating, constructing St. Hubert Flying Field Mooring Mast, to Canadian Vickers Ltd., Maisonneuve St.

PIER—**Burlington, Ont.**—S. E. O'Brien, secy., Dpt. P. Wks., Ottawa, rebuilding south pier, to Randolph MacDonald Co. Ltd., 1130 Bay St., Toronto, $26,000. Noted May 10.

GRAIN ELEVATOR — **Toronto, Ont.** — See "Buildings—Industrial."

Materials

Proposed Work

WATER METERS — **Pulaski, Tenn.** — Town purchasing 250 water meters for Waterworks Dpt.

Bids Desired

INORGANIC DUST—**New York, N. Y.**—July 12, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 3,000 tons inorganic dust, 650 street sign frames.

LAMP STANDARDS—**Harrisburg, Pa.**—July 9, by B. E. Taylor, secy. Dpt. Property & Supplies, State Capitol, 129 c.i. lamp standards, f.o.b. Harrisburg, at Capitol Park, Contr. F-15.

TIE RODS, FROGS, etc.—**Phila., Pa.**—July 12, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., at 15 North 32nd St., tie rods, frogs and switches, Contr. 56-1928; girder rail and girder guard rail Contr. 4323.

GUARD RAIL and ANCHORS—**Iowa**—See "Streets and Roads."

CEMENT—**Westley, Calif.**—July 14, by E. Smith, sec. West Stanislaus Irrigation Dist., 14,000 bbl. cement, f. o. b. Westley. W. E. Woolley, Patterson, engr.

Contracts Awarded

ASPHALTIC OIL, etc.—**New York, N. Y.**—J. Miller, pres. Manhattan Boro, Municipal Bldg., 700,000 gal. asphaltic oil and 600 tons asphaltic joint filler, to Standard Oil Co. of New York, 26 Bway., $43,190 and $12,438 respectively; 50,000 special 5 in. granite paving blocks, to John Meehan & Son, 90 West St., $6,075; 20,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., Brooklyn, $19,800; iron castings, to Campbell Fdry. Co., 317 Manor Ave., Harrison, $33,680; steel castings, to J. F. Pennell Co., 206 Bway., $4,525. Grand total $119,-708. Noted June 28.

Foreign

Mexico, Tia Juana—W. G. Bowman, Commonwealth Bldg., San Diego, Calif., 12 story, basement hotel, to E. F. Rodriguez, Tia Juana. $750,000.

New Zealand, Auckland—Secretary Stores Division, Port and Telegraph Dpt., General Post Office, Wellington, in market 30 mi. 1/.036 in., 130 mi. 1/.044 and 55 mi. 1/.036 in. wire tinned annealed copper.

Spain — Compania Colon Transaerea, Seville, operating under subsidy from Spanish government awarded contract airport to be the base of a line of zeppelins from Seville to Buenos Aires, Argentina, S. A., to Fox Bros. International Corp. of New York, 33 Rector St., New York, N. Y. Est. $5,000,000.

See proposal advertising on page 160

UNIT PRICES

Summaries of bids gathered by field correspondents or contributed by readers

Unit Price Lists Published in June, 1928

		Issue of
Bridge	Wyoming	June 7
Bridge	Pennsylvania and New Jersey	June 21
Bridge	New York and Vermont	June 28
Conduit	Oklahoma City, Okla.	June 14
Grading and bridges	Wyoming	June 28
Highway	New York	June 28
Road	Pennsylvania	June 7
Road	Pennsylvania	June 14
Sewer	St. Louis, Mo.	June 7
Water-Works	St. Louis, Mo.	June 14

Sewerage and Water Systems—Southgate, Calif.

Eleven bids were opened by City, Feb. 21, for sewerage and water systems in various sections, difference between low and average 11 per cent. Involves 273,944 lin.ft. 6-21-in. cement and vitrified sewer and 178,887 lin.ft. cast iron pipe. Lowest four and highest bidders are: (A) L. Vuksich, 2851 Guirado St., Los Angeles, (awarded contract); (B) Bebek, Brkich & Chutuk; (C) G. Mitchell & Co.; (D) Torson Construction Co.; (E) T. Haverty Co.

	A	B	C	D	E
2,009 ft. 21 in. cement sewer	$4.00	$3.00	$2.80	$3.00	$3.46
967 ft. 18 in. cement sewer	2.75	2.35	2.30	2.45	2.93
2,864 ft. 15 in. cement sewer	1.85	1.90	1.85	2.00	2.38
1,844 ft. 15 in. vitrified sewer	1.90	1.90	1.85	2.00	2.45
4,509 ft. 12 in. cement sewer	1.53	1.58	1.60	1.60	2.87
532 ft. 12 in. vitrified sewer	1.58	1.58	1.60	1.60	1.92
5,505 ft. 10 in. cement sewer	1.27	1.32	1.40	1.40	1.58
167,978 ft. 8 in. cement sewer	.97	1.02	1.05	1.10	1.37
87,258 ft. 6 in. cement sewer	.70	.75	.75	.75	.92
478 manholes and junction chamber	68.00	75.00	70.00	70.00	93.00
138 flushing manholes	88.00	96.00	90.00	90.00	102.00
23 drop manholes	88.00	95.00	80.00	90.00	115.00
733 ft. 12 in. c.i. pipe	2.85	2.90	3.00	3.00	2.90
31,726 ft. 10 in. c.i. pipe	2.17	2.25	2.45	2.10	2.21
5,134 ft. 8 in. c.i. pipe	1.66	1.71	1.80	1.70	1.75
68,483 ft. 6 in. c.i. pipe	1.15	1.19	1.40	1.25	1.25
72,811 ft. 4 in. c.i. pipe	.90	.91	1.10	1.00	.95
48 ft. 2 in. copper service pipe	2.50	1.88	2.00	2.00	1.95
463 ft. 1½ in. copper service pipe	2.20	1.60	1.70	1.70	1.70
46,264 ft. 1 in. copper service pipe	.84	.84	.95	.90	.90
178 6 in. fire hydrants, one 2½ in. and one 4 in. connection, 6 in. bury pipe	65.00	65.00	67.50	65.00	70.00
22 6 in. fire hydrants, one 2½ in. connection, 6 in. bury pipe	48.00	46.00	50.00	50.00	51.00
3 6 in. fire hydrants, one 2½ in. and one 4 in. connection, 4x6 in. taper	64.00	63.00	67.50	70.00	68.00
57 6 in. fire hydrants, one 2½ in. connection, 4x6 in. taper	47.00	45.00	50.00	50.00	50.00
405,005 ft. oiled roadways	.03	.03	.04	.035	.04
2,830,000 ft. reoil roadway	.03	.03	.04	.035	.04
70,962 ft. sidewalks, reconstructed	.15	.16	.15	.14	.16
Totals	$692,335	$713,414	$741,399	$749,656	$847,340

Engineering News-Record, Issue of July 5, 1928

Bridge—Pennsylvania

State Highway Department, Harrisburg, opened bids May 4, bridge across Oswayo Creek on Route No. 236, McKean Co.; 136½ ft. long, 24 ft. roadway, 5 ft. sidewalk, from (A) Milliron Construction Co., Du Bois, (awarded contract); (B) P. N. Carll, Olean, N. Y.; (C) Purdy & Sanders, Clinton; (D) D. A. & W. E. Clark, Johnsonburg; (E) W. S. Meserve & Co., Buffalo.

	A	B	C	D	E
1,812 cu.yd. Class 1 excav. without classification	$1.40	$1.10	$1.50	$1.75	$2.00
98.2 cu.yd. Class A conc. in place	22.00	25.00	26.00	25.00	25.00
345 cu.yd. Class B conc. in place	20.00	22.00	22.00	21.00	23.00
14,467 lb. plain steel bars, in place	.05	.06	.05	.0425	.05
2,400 lin.ft. timber piles, in place	.85	.90	1.00	1.50	.80
240,000 lb. fabricated structural steel, complete in place, including painting	.0625	.065	.069	.07	.0698
351.4 sq.yd. rein. cem. conc. wear. surf. for bridge floor, complete in place, including reinf	2.65	3.00	2.75	1.80	3.25
2 bronze name plates	50.00	10.00	75.00	40.00	56.00
Totals	$30,392	$31,740	$33,661	$34,598	$34,663

Engineering News-Record, Issue of July 5, 1928

Road—Kentucky

Eleven bids were opened by State Highway Department, Mar. 23, Clinton-Mayfield Road, Graves Co., 5.504 mi. long, difference between low and average 20 per cent. Lowest three and highest bidders, together with their bids, follow: (A) N. E. Stone & Co., Madisonville, (awarded contract); (B) Braser & Cooke, Wickliffe; (C) Carter, Carter & Braden; (D) Brady, Hagler & McDade, Fulton.

	A	B	C	D
44.25 acres clearing and grubbing	$15.00	$10.00	$20.00	$15.00
786 cu.yd. excav. for struct.	.75	1.00	1.00	1.00
400 cu.yd. excav. found. dry common	1.50	1.00	1.00	2.00
150 cu.yd. excav. found. wet common	2.00	2.00	2.00	6.00
43,210 cu.yd. excav., unclass.	.28	.35	.30	.29
17,825 cu.yd. excav., unclass. borrow	.26	.30	.30	.29
7,688 sta.yd. overhaul, excav.	.02	.03	.01	.04
288 sta.yd. final dressing	2.00	2.00	2.00	3.00
30 lin.ft. relaid pipe	.50	.50	.10	.60
60 lin.ft. removing pipe	.40	.50	.10	.60
214 lin.ft. 12 in. Class A C.M. pipe	1.30	1.70	1.25	2.00
48 lin.ft. 18 in. Class A C.M. pipe	2.00	2.25	2.00	2.50
186 lin.ft. 24 in. Class A C.M. pipe	3.00	3.00	3.00	4.00
297 lin.ft. 18 in. first class pipe	2.00	2.10	2.00	2.00
387 lin.ft. 24 in. first class pipe	3.00	3.00	3.10	4.00
1,350.52 cu.yd. Class A con.	16.00	17.00	17.00	19.00
14.10 cu.yd. Class D con.	35.00	30.00	30.00	50.00
323.40 cu.yd. Class F con.	18.00	18.00	18.00	19.00
187,899 lb. rein.-steel	.0425	.045	.05	.05
2,100 lin.ft. timber piling untr.	.75	.40	1.00	1.40
2,014 lb. bronze exp. plates	.40	.40	.50	50.00
Totals	$60,632	$65,370	$65,764	$171,054

Engineering News-Record, Issue of July 5, 1928

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcement for the current week are the following:

Proposed Work

Hospital, Pittsburgh, Pa., Allegheny General Hospital, plans, $6,000,000.

Museum, New York, N. Y., American Museum of Natural History, plans, $4,500,000.

Clubhouse, etc., Marion, Mass., Devonshire Manor Sales Corp., sketches, $4,000,000.

Theatre, Atlantic City, N. J., Colonial Trust Co., plans, $4,000,000.

Courthouse, Brooklyn, N. Y., sketches, $3,500,000.

Sewers, St. Louis, Mo., soon takes bids, $2,500,000.

Office, Los Angeles, Calif., Southern California Edison Co., plans, $2,000,000.

Hotel, Garage, etc., Hamilton, Ont., Royal Hotel & Terminal Syndicate, plans, $2,000,000.

Apartment, Phila., Pa., Owner c/o R. M. Dippy, archt., $1,500,000.

Theatre and store, New York, N. Y., Highbridge Realty Corp., bids in September, $1,250,000.

School, Newark, N. Y., State Educ. Comn., bids latter part July, $1,100,000.

Office, Yonkers, N. Y., Leeschest Building Co., plans, $1,000,000.

Sanitarium, Lake Hopatcong, N. J., Deborah Jewish Relief Society, sketches, $1,000,000.

Bank, Nashville, Tenn., Bank of Commerce & Trust Co., plans, $1,000,000.

Hospital, New York, N. Y., Gotham Hospital, sketches, to exceed $1,000,000.

Bids Desired

Stadium and sports palace, Chicago, Ill., J. W. Snyder Co., general contractor, taking sub-bids for J. J. Harmon, est. $4,786,000.

Office, Memphis, Tenn., July 16 by W. C. Hedrick, archt., Ft. Worth, Tex., for R. S. Sterling et al, Houston, Tex., $2,500,000.

Theatre, San Antonio, Tex., July 20 by Interstate Amusement Co., $2,250,000.

Hotel, Newark, N. J., Majestic Holdin Co., taking bids, $2,000,000.

Theatre, Ottawa, Ont., Famous Player's Corp. of Canada, Montreal, taking bids, $1,250,000.

City hall, Atlanta, Ga., July 23 by H. C. McCutcheon, chn. City Council, $1,250,000.

Courthouse, New City, N. Y., July 17 by Bd. Supervs. Rockland Co., $1,000,000.

Contracts Awarded

Bank and office, Baltimore, Md., Taylor & Fisher and Smith & May, archts. to J. Henry Miller, Inc., for Baltimore Trust Co., $3,000,000.

Office and store, Chicago, Ill., Holabird & Root, archts., general contract to Lundorf-Bicknell Co., for Palm Olive-Peet Co., est. $2,500,000.

High school, Chicago, Ill., Bd. Educ., general contract to Great Lakes Constr. Co., and others, est. $2,000,000.

Factory, Pontiac, Mich., Fisher Body Corp., to W. E. Wood Co., Detroit, est. $2,000,000.

Hotel, New York, N. Y., Greeley Square Hotel Co., to Thompson Starrett Co., est. $2,000,000.

Clubhouse, Cleveland, O., Cleveland Club, to Thompson Starrett Co., New York, est. $1,600,000.

Exchange, Buffalo, N. Y., New York Telephone Co., Albany, to J. W. Cowper, est. $1,500,000.

Office, Toronto, Ont., Adelaide-Sheppard Co., Ltd., to Simcoe Constr. Co., est. $1,000,000.

Hotel, St. Louis, Mo., W. H. and N. Cunliff Co., will build, est. $1,000,000.

Theatre, Lynbrook, N. Y., Owner, c/o W. B. Wills & Sons, archts., to McAndrew Constr. Corp., New York, est. $1,000,000.

Hotel, San Angelo, Tex., B. B. Hall, of West Texas Timber Co., general contract, to R. E. McKee, El Paso, and others total est. $1,000,000.

Hospital, Boston, Mass., Boston Lying-in-Hospital, to Stone & Webster, est. $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 19.

News of the Week

Waterworks

Proposed Work

Mass., Revere (br. Boston)—Reconstructing reservoir on Fenno's Hill. $31,000 appropriated.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids rein.-con., brick gallery intake on west bank Mississippi River, Chain-of-Rocks Waterworks Station, incl. 10 ft. channel, 650 ft. wide, to be dug in river intake. $250,000. L. Day, City Hall, comr. Noted May 24.

Mo., St. Louis—See "Contracts Awarded."

Tex., Dalworth—Extending waterworks incl. c.i. pipe, fire plugs. $30,000. H. B. McAllister, 1315 North 12th St., Waco, engr.

Tex., Ft. Stockton—Extending 3,000 ft. 6 in. c.i. mains. Address Mayor.

Okla., Woodville — New water-works. $18,000. E. W. Gantt, 1116 West Main Main St., Oklahoma City, engr.

Calif., Montecito—Montecito Co. Water Dist. 160 ft. dam, on Santa Ynez river with auxiliary dam. $880,000. C. Wyant, 29 San Ysidro Rd., Santa Barbara, engr.

Calif., Suisun—For 12,700 ft. 9 in. mains 12-gauge steel, from pumping plant to distributing reservoir. To exceed $150,000. Kerns & Ebdert, Postal Telegraph Bldg., San Francisco, engrs.

Ont., Scarboro—P. Utilities Comn., waterworks filtration plant. $50,000.

Bids Desired

Mass., Concord—July 27, by Bd. Water & Sewer Comrs., pumping equipment, appurtenances for pumping station.

N. Y., Albany—July 26, by Bd. Water Supply, 101 State St., Basic Creek tunnel in Westerlo. Noted June 28.

N. Y., Brooklyn—July 17, by J. J. Dietz, comr. Water Supply, Gas & Electricity Municipal Bldg., New York, mains in Prospect Park West, Ocean Parkway, avenues M, Q, T, U and W, Carlton, Church, Ditmas, Flushing, Greenpoint, Irving, Livonia, Nostrand, New Jersey, Sheffield, Snediker, Utica, Vanderbilt, 2nd, 16th and 17th Aves., Coyle, Herzl, Richards, 59th, 64th, 65th, 80th, 92nd, West 4th, East 6th, 16th, 35th, 38th, 40th, 57th, 59th, 65th, 92nd and 93rd Sts.

Md., Baltimore—July 18, by Bd. Awards, mains in Old Frederick Rd., Harlem Lane, Edmondson and Melvin Aves. E. G. Rost, Municipal Office Bldg., water engr.

Tenn., Germantown—July 16, by E. W. G. Meers, mayor, and Bd. Aldermen, deep well, 60 g.p.m. electric motor driven deep well pump. J. M. Thompson, city clk.

O., Cincinnati—July 13, by Comrs. Hamilton Co., 41,940 ft. 6- to 8-in. c.i. mains in Water Supply Line 89, Dists. 1 and 7. $99,181. Former bids rejected. L. C. Boyatt, Court House, engr. Noted June 7.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Kan., Barnes—July 16, by R. G. Fagan, city clk., complete waterworks, distribution system. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted July 5.

Neb., Lincoln—Bids about Sept. 1, 5 m.g. rein.-con. reservoir at A St. Pumping Station. $50,000. D. L. Erickson, City Hall, engr. Noted June 28.

Mo., St. Louis—Aug. 8 by Bd. P. Serv., City Hall, 2 sludge pump houses for Missouri River Water Works Station, at Howard's Bend, St. Louis Co. $20,000. L. Day, City Hall, comr.

Bids Received

N. Y., Albany—Bd. Water Supply, July 9, earth fill, concrete dam on Hannacroix Creek, in Coeymans, from Winston & Co., 277 Fair St., Kingston, $747,449. Noted June 28.

Contracts Awarded

Pa., Phila.—Dpt. P. Wks., Bureau of Water, Contr. 924, to Blaw-Knox Co., Colonial Trust Bldg., $17,624. Contr. 926, to E. F. Roberts, 2622 Columbia Ave., $1,797; Contr. 930, to Herman Mayer Co., K and Venango Sts., $19,433. Grand total $38,854. Noted July 5.

Miss., Boyle—Mayor and Bd. Aldermen, tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, $5,675; pipe, to McWane Cast Iron Pipe Co., 3700 11th Ave. N., Birmingham, Ala., $3,586; hydrants, valves and boxes, to Columbia Iron Wks., 2501 Chestnut St., Chattanooga, Tenn., $949; laying pipe and general construction work, to M. H. Ellis, Clarksdale, $2,323. Grand total $12,534. Noted May 24.

La., Collinston—C. B. Mason, village clk., laying c.i. mains, to C. J. Montgomery, Kaplan; pipe, hydrants, valves, fittings, to Dixie Mill Supply Co., 901 Tchouputoulas St., New Orleans; well, fittings, to Gray Artesian Well Co., Pensacola, Fla.; 500 g.p.m. high pressure pump, to Fairbanks Morse & Co., 1000 St. Charles St., New Orleans. Est. $26,000. Noted May 31.

Mich., Roseville—H. R. McReavy, village clk., furnishing, laying 33,251 ft. 6- to 24-in. mains, to B. Canini, 1898 Cleveland Ave., Columbus, O., $183,497. Noted May 10.

Ill., Columbia—Distribution System, incl. 40,380 ft. c.i. mains, fifty-four 4 in. and eighteen 6 in. gate valves, boxes, to Pittsburgh Des Moines Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $36,419. Noted April 26.

Ill., Winfield—Bd. Local Impvts., 6 and 8 in. c.i. mains, to Allied Contractors, 80 East Jackson Blvd., Chicago, $41,950. Noted June 14.

Wis., West Allis—Dpt. P. Wks., 15,723 ft. 6- to 24-in. c.i. mains in Lincoln Ave.,

See proposal advertising on page 140

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE
It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

to Kehrein Bros., Inc., 1026 23rd St., Milwaukee. Noted June 14.

N. D., Grand Forks—C. J. Evanson, city aud., extending 3,325 lin.ft. 12 in. c.i. mains, eight 12 in. gate valves, 5 hydrants, to W. J. Smith, Grand Forks, $14,833. Est. $16,343. Noted June 14.

Mo., St. Louis—Extend mains, own forces. $200,000. L. Day, City Hall, comr.

Wash., Seattle—Mains in 16th Ave. N. W. et al., to Argentier & Colarossi, 1819 Weller St., $56,676.

Calif., Holtville—For 4 to 10-in. c.i. mains, valves, fitting, fire hydrants, to Gateway Concrete Pipe & Products Co., Holtville, $25,630. Noted Apr. 5.

Sewers

Proposed Work

N. J., Englewood—Bd. City Council, City Hall, storm drainage system in Tenafly Rd. John St., Sheppard and Palisade Aves. $28,500. Address City Engineer.

N. J., Garfield (br. Passaic)—Bd. Freeholders Bergen Co., Court House, Hackensack, sewer in Golf Brook. $100,000. R. McClave, Court House, Hackensack, co. engr.

N. J., North Caldwell (mail Caldwell)—Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, storm sewer. $35,000. J. Stickel, Hall of Record Bldg., Newark, co. engr.

N. J., West Orange—Bd. Town Comrs. 15 mi. sewers incl. 2 pumping stations, 4th Ward Sect., Eagle Rock Ave., and Northfield Rd. $600,000. A. Potter, 50 Church St., New York, consult. engr.

Pa., Reading—City retained Remington & Vosbury, engrs., 509 Cooper St., Camden, N. J., to prepare plans sewage disposal plant. $50,000. E. C. Weber, city engr.

O., Minerva—Sanitary sewers in Sect. A, B, and C, $44,872. McClaskey & Reese, Renkert Bldg., Canton, engrs.

Mich., Fordson—For ½ mi. 60 in. monolithic concrete sewer in Mulkey Ave. $70,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Columbia—Soon takes bids sewerage system, incl. disposal plant, sanitary sewers, laterals. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted Sept. 1.

Calif., Los Angeles — El Sereno Storm Drain. $200,000. L. W. Armstrong, city storm drain engr.

Calif., Los Angeles — Sepulveda Blvd. Storm Drain, 3 mi. long, 8 ft. diam., 8½ x 8½ ft. rein.-con. pipe. $245,000. G. F. Lee, City Hall, engr.

Calif., Oakland—Storm drain in Grand Ave., $126,666; storm sewers in Elmhurst St., $150,000. G. N. Randle, city engr.

Bids Desired

Mass., Boston—July 13 to 20 (according to sections), sewerage system in Boston Proper, Dorchester and Roxbury. $25,000. J. H. Sullivan, comr.

Conn., Norfolk — July 17, by Norfolk Sewer Dist., J. R. Carroll, sewage disposal works, incl. earthwork, concrete sewage tanks, screens, sand filters, connecting piping. To exceed $25,000. City-Wastes Disposal Co., 45 7th Ave., New York, engrs.

N. Y., Brooklyn — July 18, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Walsh Court, Troy, Highlawn and 20th Aves., Avenue O, West 6th, West 8th, East 7th, East 3rd, East 4th, West 4th and 64th Sts.

N. Y., Long Island City — July 16, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Aero Pl., Rockaway Blvd. North Side, Yellowstone, Van Wyck and Rockaway Blvds., Crocheron, 64th, 135th and 120th Aves., 2nd, 3rd, 4th, 5th, 6th, 7th, 58th, 171st (31st), 129th, 140th, 141st, 108th and 87th Sts.

N. Y., Marcy—July 25, by Dpt. Mental Hygeine, Albany, sewers, water lines, at Marcy Div, Utica State Hospital. L. M. Farrington, secy.; adv. E. N.-R. July 12.

N. Y., Thiells—July 25, by Dpt. Mental Hygiene, Albany, sewage disposal system, Letchworth Village, Rockland Co.; adv. E. N.-R. July 12.

Md., Baltimore—July 18, by Bd. Awards, sewers and storm drains in miscellaneous sewer districts in Storm Water Contr. 118. M. J. Ruark, Municipal Office Bldg., sewerage engr.

La., New Orleans—Sept. 6, by Sewerage & Water Bd., at office A. G. Moffat, secy., 526 Carondelet St., one 15,000 k.w. turbine, and pumps for drainage system. G. E. Earl, genl. supt.; adv. E. N.-R. July 12.

Mich., Detroit—July 18, by J. W. Reid, comr. P. Wks., 5,731 ft. 10 ft. to 5 ft. 3 in. cylinder, Rivard Sewer Sect. 4; 8,147 ft. 9 ft. 3 in. to 3 ft. 3 in. cylinder, Rivard Sewer Sect. 5; 2,623 ft. 10 ft. to 5 ft. 6 in. cylinder, Southfield Sewer Sect. 9; 2,728 ft. 10 ft. to 4 ft. 9 in. cylinder, Southfield Sewer Sect. 8; 2,824 ft. 6 ft. 3 in. cylinder, River Rouge Interceptor East, Sect. 3; 2,510 ft. 5 x 8 ft. fox section, River Rouge Interceptor East, Sect. 4; 3,299 ft. 10 ft. 6 in. to 13 ft. 9 in. cylinder, Bonaparte Sewer Sect. 1, East of Rouge River; 3,716 ft. 10 ft. 6 in. to 14 ft. cylinder, Plymouth Ave. Sewer Sect. 1, East of Rouge River. P. A. Fellows, city engr.

Wis., Milwaukee—July 14, by Dpt. P. Wks., R. E. Stoelting, comr., sewers in Row through Lot 9, Block 220, A. L. Kanes Sub-division from Oakland Ave. to Alley W. Stony Parkway, Morgan, St. Paul and 22nd Aves. $21,705.

Kan., Topeka—July 17, by E. M. Covell, city clk., City Hall, 1,350 ft. 36 in. outfall sewers, 4,760 ft. c.i. pipe, 2 brick superstructures, sewage disposal plant on East Side. C. A. Haskins, 822 Finance Bldg., Kansas City, engr.

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, Sect. 2 Southwestern Joint Sewer, 5,390 ft. 18 in. to 15 ft. rein.-con., horseshoe, brick, segmental block or vitr. clay pipe, $275,000; Sect. 3 same sewer, 18,200 ft. 12 in. to 9 ft. rein.-con. horseshoe brick, segmental block or vitr. clay pipe, $345,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—Aug. 8, by Bd. P. Serv., 208 City Hall, 9,185 ft. 8- to 39-in. vitr. clay, brick, and segmental block sewers in Moline Creek Dist. 1, $40,000; 2,200 ft. 12-in. to 24-in. vitr. clay sewers in South Gravois Dist. 5, $9,000. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Soon takes bids rein.-con. lined open flood channel for River des Peres, 140 and 150 ft. bottom width, with sanitary sewers to connect existing sewers with new channel, Sect. H River Des Peres Project. $2,500,000. W. W. Horner, 300 City Hall, St. Louis, engr. Noted June 7.

Tex., San Antonio—See "Unclassified."

Contracts Awarded

N. Y., Buffalo—See "Unclassified."

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to L. Piali, 71 Ridge St., sewer in Wolcott Ave. $3,283, Burnside Ave. $359; to Welsh Bros. Contg. Co., 32 Queens St., Astoria, Mount St. $800, to Del Mel Constr. Co., 7624 15th Ave., Brooklyn, Rowan St. $6,713, Trotter Pl. $5,628, 39th Ave. $2,875; to A. W. Matarazzo, 1163 61st St., Brooklyn, 90th St. $2,676, 121st St. $4,871, Woodhaven Blvd., $7,368; to Catapano & Ambrosio, 1016 60th St., Brooklyn, Arlington Terrace, $3,103. Grand total $37,676. Noted June 28.

New Jersey—Municipalities of Bloomfield, Glen Ridge and Montclair, Boro Hall, Glen Ridge, constructing Joint Third River Sewer Contr. 1, to Romano & Saggese, 181 Glen Ridge Ave., Montclair, $115,000. Noted July 4.

N. J., Jersey City—Reconstructing sewer, repaving Jersey Ave. from 14th St. to Hoboken Ave., to New Jersey Asphalt & Paving Co., foot Jersey Ave., $76,000. Noted July 5.

N. J., Jersey City — Sewer in Central Ave., to S. Colacurcio, 9 Casper Court, $42,380.

N. J., Midland Park—See "Streets and Roads."

Pa., Kingston—C. H. Blochberger, secy. Boro Council, 224 Wyoming Ave., drainage system, to A. J. Sordoni, Forty Fort, $137,776. Noted May 31.

Maryland — State Roads Comn., Baltimore, reconstructing roadway on bridge, Contr. W-54, Washington Co., to T. A. Ward, 1824 North Carolina St., Baltimore, $21,773. Noted May 24.

La., Baton Rouge—Comn. Council, City Hall, ¾ mi. 36 in. c.i. sewer along edge University Lake, to J. B. McCrary Co., Citizen & Savings Bank Bldg., Atlanta, Ga., $135,880. Noted May 21.

S. C., Columbia — See "Streets and Roads."

O., Euclid (br. Cleveland)—Curb connections Garden Rd., to Gould & Maybach, 16311 Saranac Rd., Cleveland, $2,967; Babbitt Rd., from L. S. Blvd. to St. Claire Ave., to Manson Co., Engineers Bldg., Cleveland, $28,962, Babbitt Rd. from Euclid to St. Clair Aves., to Cuyahoga Sewer Constr. Co., 3412 East 114th St., Cleveland, $9,812. Grand total $41,741.

Ill., Chicago—Bd. Local Impvts., City Hall, tile sewers with brick manholes in 100th Pl. and 102nd St., to Mancini & Ventrella; tile sewers with brick manholes and catch basins in East 95th St., South Artesian, South Campbell and South Maplewood Aves., to J. Tiritilli, 732 South Ashland Ave., in West 47th St., South LaCrosse, Lamon, Laporte, Levergne, Lawler, Leclaire and Leamington Aves., to E. Till, 5475 Hirsch St., in West 102nd and 117th Places, West 100th and 112th Sts., to L. Scully, 82 West Washington St., in Loomis St., to C. Fosno, 908 South Irving Ave., in Markham, Olympia and North Kildare Aves., to O. Scully, 7658 Laflin St., in South Lacrosse, Lamon, Leamington and Leclaire Aves., to A. Ranieri, 4901 Altgeld St. Noted June 14.

Wis., Milwaukee—Sewerage Comn., 508 Market St., Janesville Plank Rd. Intercepting Sewer, to G. R. Fehr, 1253-29th St., $80,373. Est. $95,000. Noted July 5.

Wis., Milwaukee—Metropolitan Sewerage Comn., R. Cramer, ch. engr., 508 Market St., sluice gates for sewage disposal plant, to Chapman Valve Mfg. Co., 650 West Lake Ave., Chicago, Ill. $5,280.

Tex., Houston—Storm sewers in Sampson St. from Navigation Blvd. to Walker Ave., to C. K. Horton, 2200 Clay St., $70,667. Est. $80,000.

Okla., Eldorado—W. E. Coke, city clk., sewerage system, disposal plant, Imhoff tank, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $54,910. Noted June 14.

Okla., Oklahoma City—Agnew Ave. Relief Storm Sewer, 5,600 ft. 60 in. concrete pipe, to A.A. Dobson, 824 1st. Natl. Bank Bldg., Lincoln, Neb., $58,471. Est. $70,000. Noted May 17.

Calif., Los Angeles — Vitr. sewers in Comstock and Rochester Ave. Sewer Dist., to J. Chutuk, Wilcox Bldg., $58,165. Noted May 17.

Calif., Pasadena—Sewers, concrete and c.i. sewers in Lamanda Park Dist., to M. Simunovich, 3305 West 66th St., Los Angeles, $268,110. Noted July 5.

Ont., Toronto—City Council, 8 in. and up vitr. tile sewer in Proudfoot Ave., to W. E. Taylor, 22 Falcon St., $2,585; Dinnick Crescent and 2 lanes, to J. Fornnica, 2147 Duffern St., $3,345; Sturgeon Ave., to L. P. Acri, 28 Grove St., $2,775, Yonge St. Sect. E-F, to Natl. Contg. Co., 9 Garnock Ave., $3,988; Front St., Greer Rd. and Latimer Ave., to T. C. Agnew, 350 Concord Ave., $12,349; Braemer and College View Aves., to P. Corradi, 19 Hocken Ave., $4,338, Roehampton and Elmsthorpe Aves., to Grant Contg. Co., 47 Wellington St. E., $6,247; Mona St. and Riverview Dr., to Ruscica Bros., 84 Woodycrest Ave., $12,253; Fleet St., to owners by day labor, $5,666. Grand total $53,546.

Waste Disposal

Bids Desired

Calif., San Pedro—July 18, by Harbor Comn., New City Hall, incinerator 25 ft. high, 11 ft. at base, 5 ft. diam., rein.-con. or brick with fire brick line lining, at Pier A. G. F. Nicholson, Pier A, engr.

Bridges

Proposed Work

N. Y., Buffalo—Bd. Supervs. Erie Co., County Bldg., 400 ft. concrete bridge over Eighteen Mile Creek, on Southwestern Blvd. G. C. Diehl, Ellicott Sq., engr.

N. C., Spencer—See "Railways under North Carolina."

Tenn., East Chattanooga (br. Chattanooga)—State Dpt. Hys. & P. Wks., Nashville, surveys bridge (probably concrete, steel) over Chickamauga Creek, Hamilton Co., near here. To exceed $25,000. H. F. Berry, hy. comr.

Mo., Hermann — Hermann Bridge Co. bridge over Missouri River.

Texas and Oklahoma—State Hy. Comn., Austin, Tex., concrete, timber bridge over Salt Fork of Red River between Wellington, Tex. and Altus, Okla. $50,000. W. A. French, Wellington, Tex., div. engr.

Okla., Weatherford—Preliminary plans 1 span 46 x 118 ft. rein.-con. bridge under Rock Island R.R. $40,000. H. J. Clark, Weatherford, engr.

Bids Desired

Mass., Boston—July 24, by Dpt. P. Wks., widening concrete, steel bridge over New York, New Haven & Hartford R.R. on Ashland St. $25,000. J. H. Sullivan, comr.

Mass., Chesterfield—July 17, by Dpt. P. Wks., State House, Boston, 550 ft. rein.-con. bridge, approaches, for Commonwealth of Massachusetts. W. F. Williams, comr.

New Jersey—July 23, by State Hy. Comn., Trenton, concrete, steel bridge to carry Route S26 (Revision 1927) across main line Pennsylvania R.R. near Adams Sta-

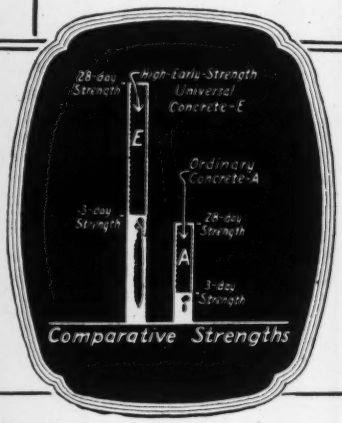
Constr. News page 16

Speed...
Was the Demand on These Jobs

this is how the demand was met

JOB	RESULT
A considerable amount of concreting remained to be done on the Ward Hotel, Aberdeen, S. D., when winter set in. Speed was essential to meet scheduled completion date.	S. W. Jonason & Co., contractors, quickly finished the remaining concrete and shortened the period during which protection from freezing was necessary by using *High-Early-Strength* Universal concrete. Work was then rushed on the interior and the job was completed on scheduled time.
The Wheeling Metal and Manufacturing Co., Glendale, W. Va., wanted a new floor for its factory but could not afford a long interruption of production.	*Less than 3 days* after the concrete was placed, the floor was in service and the factory's production resumed without long interruption, thru the use of *High-Early-Strength* Universal Concrete.
With government specifications calling for early occupancy of a postoffice building in River Forest, Ill., the contractor found himself pressed for time.	He rushed construction of the entire job by using *High-Early-Strength* Universal Concrete. Work was completed on time and penalties were avoided.
A new reservoir was badly needed in Boonville, Ind. The entire job had to be completed at an early date.	By using *High-Early-Strength* Universal Concrete, the contractor met the requirements. He was able to remove the forms more quickly, re-use them more often, and complete the work and have it in use at an unusually early date.

You can obtain similarly desirable results on *any* job where concrete is used with High - Early - Strength Universal Concrete. It has a 3-*day* strength equal to the 28-*day* strength of ordinary concrete.



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UNIVERSAL PORTLAND CEMENT CO.,
208 South La Salle Street, Chicago,

Without obligation, send me detailed information on methods for securing strong concrete in 3 days with the *usual* materials, *usual* equipment, *usual* labor, and *usual* Universal cement.

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Address E.N.R.-7-12-28

Bridges (Continued)

com. Middlesex Co. A. L. Grover, ch. engr. adv. E. N.-R. July 12.

N. J., Kearny (sta. Arlington) — Bd. Council, Town Hall, revising plans, bids about Aug. 1, steel, concrete bridge, over Erie R.R. cut, on Chestnut St., $115,000. H. G. Kreiner, 790 Broad St., Newark, engr.

Maryland — July 17, by State Roads Comm., Baltimore, double span steel, concrete girder bridge over Catoctin Creek, Contr. F-116, Frederick Co. J. N. Mackall, chn.

South Carolina—July 24, by State Hy. Dpt., Columbia, **(S. P. means State Project)**, rein.-con. bridge Route 2, S. P. 699, Laurens Co.—on Route 21, S. P. 683, Chester Co.—on Route 215, S. P. 511-D, Richland and Fairfield Counties—extending rein.-con. bridge Route 24, Federal Aid Project 52-A and B, Saluda Co.—Route 215, S. P. 646-A, Fairfield Co. B. M. Sawyer, engr.

W. Va., Hinton—July 31, at office H. K. Nolan, city mgr., rein.-con., steel bridge over Chesapeake & Ohio Ry. J. E. Settle, Charleston, consult, engr.; adv. E. N.-R. July 12.

Kentucky—July 27, by State Hy. Dpt., Frankfort, 164 ft. steel span bridge, rein.-con. pier, abutments over Tygarts Creek, on Greenup Rd., S. P. 106-A and B, Greenup Co.—100 ft. steel span bridge with concrete floor over Licking River, on West Liberty Rd., S. P. 28-C-B, Magoffin Co.—100 ft. steel span with concrete floor over Licking River, on Salyersville Rd., S. P. 28-BB, Morgan Co.—three 150 ft. steel spans, rein.-con. piers, abutments over North Fork of Kentucky River and Louisville & Nashville R.R., on Hazard-Hyden Rd., S. P. 28-A-B, Perry Co.—two 50 ft. deck girders, 30 ft. skew, rein.-con. pier abutments over Otter Creek, S. P. 50-CB, Madison Co. J. S. Watkins, hy. engr.

Ohio—July 13, by H. J. Kirk, dir. Hys., Columbus, bridges in Brown, Hardin, Mahoning, Pike, Van Wert and Wyandot Counties. $41,497.

O., Akron—July 30, by Comrs. Summit Co., 1 span 35 ft. rein.-con. bridge with retaining wall along river bank on Case Ave.

Wisconsin—July 20, by State and Jackson Co. Hy. Comns., La Crosse, **(S.A.P. means State Aid Project, C.A.P., County Aid Project)**, constructing Polleys Bridge on S.A.P. 5094, Melrose-Irving Bridge, C.A.P. B-5563, Village of Melrose, Sims Bridge, C.A.P. B-5563; Scott Culvert, S.A.P. 5094; shale surfacing 2,600 cu.yd. North Bend-Melrose Rd., S.T.H. 54, S.A.P. 5094. T. M. Reynolds, div. engr.

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, earth embankment for approaches to Arsenal Street Viaduct over River Des Peres and St. Louis & San Francisco R.R., $89,700. L. R. Bowen, City Hall, engr. Noted Feb. 2.

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, 250 ft. rein.-con. viaduct over River Des Peres, on Alabama Ave. $105,800. L. R. Bowen, City Hall, engr. Noted July 5.

Bids Received

Rhode Island—Washington Bridge Comn., State House, Providence, July 5, Washington Bridge, approaches over Seekonk River between Providence and East Providence, from H. P. Converse Co., 161 Devonshire St., Boston, Mass., 2,836,296. Noted May 17.

Contracts Awarded

N. Y., Olean—Common Council, 2 span 160 ft. steel plate girder bridge over Olean Creek, on East State St., to T. C. Bayly, Troy, $97,459. Noted May 31.

N. J., Plainfield—Bd. Freeholders Union Co., bridge over Greenbrook, on Netherwood Rd., to A. E. Smith, 220 Park Ave., Plainfield, $18,944. Noted June 28.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete arch bridge Lucas Co., to Gluss Bros., Hamler, $70,122—40 ft. span beam concrete bridge, Portage Co., to H. A. Ackers, Ravenna, $8,794—drainage structures, Picking Co., to J. R. Board, Alexandria, $5,370. Grand total $84,286. Noted July 12.

Ohio—H. J. Kirk, dir. Hys., Columbus, 100 ft. span rein.-con. bridge, Huron Co., to W. A. Yeagle, Clyde, $34,802. Noted June 28.

O., St. Clairsville—Belmont Co., 4 bridges, on Sect. A Glencoe-Elmira Rd., to Luten Bridge Co., York, Pa., $37,070.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges on Route 95, Sect. 128-B, Fulton Co., to A. P. Munsen, 1185 4th Ave., Marion, Ia. $21,310—Sect. 128-C, same road, to A. C. Woods & Co., 1129 Harrison Ave., Rockford, $6,489—Boone Co., to G. C. Fairclo, Champaign, $34,120—Grundy Co., to T. and L. D. Libby Co., 354 Temple Court, Minneapolis, Minn., $15,805—Ogle Co., to F. Kaney, Forreston, $8,801—Carroll and Whiteside Counties, to A. Olson Constr. Co., Waterloo, Ia., $29,268 and $7,632 respectively—Fulton Co., to Pittsburgh-Des Moines Steel Co. Tuttle and South West 10th Sts., Des Moines, Ia., $15,724. Grand total $139,149. Noted Apr. 26 and May 30.

South Dakota—See "Streets and Roads."

Okla., Witcher—Oklahoma Co. (Oklahoma City), 4 span 88 ft. rein.-con., bridge, to R. Fisher, Britton, $28,651. Est. $30,000.

Montana—See "Streets and Roads."

Tex., Belleville—G. Gilchrist, state hy. engr., Austin, rein.-con. bridge on Hy. 36, Austin Co., to Davis-Pace Co., 1306½ Young St., Dallas, $76,272. Est. $90,000. Noted June 28.

Dams

Proposed Work

Calif., Montecito—See "Waterworks."

Railways

Proposed Work

North Carolina—Southern Ry., B. Herman, ch. engr., 1300 Penn Ave., Wash., D. C., extensive improvements, incl. new yard tracks, double width concrete, steel bridge over main tracks, new passenger station at foot bridge across the yards, large amount of grading, in Spencer.

Bids Desired

New York—July 25, by Dpt. Mental Hygiene, L. M. Farrington, secy., Albany, railroad tracks, coal trestles, at Hudson River State Hospital, Poughkeepsie. L. M. Farrington, secy.; adv. E. N.-R. July 12.

Missouri—See "Contracts Awarded."

Contracts Awarded

Georgia—See "Proposed Work of Unclassified under Lithonia, Ga."

Missouri—St. Louis Pub. Serv. Co., 39th St. and Park Ave., St. Louis, reconstruct double tracks on DeBalieviere St. between Pershing and Delmar Aves. $35,000, clear in front DeBalieviere car barn and construct new track $141,300, remodel south bay west car barn on DeBalieviere Ave. for repair shop and washhouse $73,000, brick and concrete office building $63,000, all in St. Louis, own forces. Private plans.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., College Point (Ind. sta. Flushing)—A. Goldman, comr. Dpt. Plant & Structures, Municipal Bldg., New York, rejected bids June 15, dredging easterly Ferry Slip, Long Island Ferry Terminal. Noted June 21.

N. Y., New York—Dpt. Mental Hygiene, Albany, bids in August, retaining walls, approaches, driveways, tunnels, at Psychiatric Institute.

Ontario — Dpt. P. Wks., Parliament Bldgs., Ottawa, K. M. Cameron, ch. engr., soon takes bids dredging Blind River, Collingwood, Kingston, Lions Head and Sarnia, $89,000; repairing pier at Beaverton, Bronte, Grand Bend, Kingsville, Oakville, Pelee Island, Port Dover, Wheatley and Port Maitland, $98,000; reconstructing wharf at Bayville, Fitzroy, Kenora, Leamington, Michipicoten River, Morpets, Severn Bridge and Windsor, $17,900; improving, repairing harbor at Cobourg, Goderich, Hamilton, Kincardine, Owen Sound, Port Arthur, Port Burwell, Port Colborne, Port Hope, Port Stanley, Rondeau, Saugeen River and Saulte Ste Marie, $793,400; reconstructing breakwater at Bracebridge and Southampton, $7,800; revetment wall at Meaford, $10,000; general harbor and river improvement, $50,000.

Bids Desired

New Brunswick — July 13, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging in Campbellton, Chatham, Lorneville, Chippigan and St. Stephen. $86,300.

Ill., East St. Louis—July 31, by Park Bd. East St. Louis Park Dist., 929 Missouri Ave., dredging two 75 acre and one 300 acre lakes, connecting canals and lagoons in Big Lake Park. $250,000. Private plans.

Mo., St. Louis—See "Bridges."

Quebec—July 13, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Berthierville, Charlemagne, Doucets Landing, Rivere St. Francois, St. Antoine de Tilly and Vaudreuil. $150,700.

Ontario—July 17, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging Bying Inlet, Goderich, Hamilton, Little Current, Owen Sound and Sarina. $450,000.

N. S., St. Francis Harbour—July 20, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., breakwater extension. $25,000.

Contracts Awarded

New York—T. F. Farrell, comr. Canals & Waterways, Albany, July 3, removing ruins at Banner Mill, clearing site at Ohio Basin, to Harwitz Bros., Iron & Metal Co., Inc., 267 Marilla St., Buffalo, $2,480; dredging Barge Canal Terminal, North Ferry St., to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., Detroit, Mich., $28,350. Noted June 28.

Ind., Lafayette — Tippecanoe Co., McFarland Ditch in Shelby Twp., to R. P. Eckhart, San Pierre, $47,869.

Mo., Clayton—W. Stoecker, ch. engr. St. Louis Co. D. D. 2-A, Memorial Park Bldg., Webster Groves, straightening, widening, deepening Cold Water and Fontaine Creeks to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, $119,016. Noted July 5.

Wash., Yakima—Selah-Moxee Canal Co., Yakima, 9,600 ft. 7 x 7.5 ft. tunnel (driven through basaltic rock) to Selah-Moxee Canal, to Rumsey & Jordan, Seattle, $149,000.

Streets and Roads

Bids Desired

Massachusetts—July 17, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 42,995 ft. hy. in Brimfield, Monson, Mattapoisett, Milton, Lynnfield, Medfield and Framingham—bituminous macadam or concrete paving 4,850 ft. Chicopee—gravel, bituminous macadam paving 3,400 ft. Millis — broken stone, bituminous macadam paving 3,375 ft. Newbury—rein.-con. paving 3,510 ft. Palmer and Norwood. W. F. Williams, comr.

Mass., Boston—July 19, by Dpt. P. Wks., recut granite block paving Hanover St. $30,000. J. H. Sullivan, comr.

Mass., Cambridge (br. Boston)—July 16, by Street Dpt., rein.-con. paving. $25,000 or more. W. R. McMeminen, City Hall, supt. streets.

Conn., New Haven — Taking bids bituminous macadam paving, Lloyd Pierpont, Hillhouse and Townsend Sts. To exceed $25,000. E. Nettleton, City Hall, engr.

N. Y., Buffalo—July 17, by Bd. Supervs. Erie Co., County Hall, asphalt block paving 0.5 mi. Delaware Ave. C.A.T.H. 178; heavy foundation paving 2.01 mi. Taylor Rd. C.A.T.H. 117, G. C. Diehl, Ellicott Sq., engr.

N. J., Elizabeth—July 17, by Bd. Freeholders Union Co., Court House, curbing, sidewalks, 3 in. sheet asphalt paving Stuyvesant Ave., Union Twp. $125,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., Hackensack—July 16, by Hackensack Impvt. Com., Municipal Bldg., grading, curbing, 3 in. asphalt on 6 in. concrete paving Main St. from Spring Valley Ave. to northerly city line. $85,000. F. Campbell, city engr.

N. J., Hackensack—July 16, by Hackensack Impvt. Com., Municipal Bldg., grading, curbing, sidewalks, 6 in. bituminous macadam paving Lookout Ave. $25,000. F. Campbell, city engr. Noted May 24.

N. J., Irvington (br. Newark)—July 17, by Bd. Town Comrs., Town Hall, Essex Co., granite or bluestone curbing, concrete paving 2,833 sq.yd. Chapman St., Paine Ave., Clements and McGotty Places. $25,000. I. J. Casey, Jr., Town Hall, engr.

N. J., Maplewood (br. South Orange) — July 17, by Twp. Comn., Municipal Bldg., curbing, sidewalks, 3 in. asphalt on 6 in. concrete or 9 in. rein.-con., paving 15,400 sq.yd. Baker St. $100,000. E. R. Halsey, 79 Academy St., Newark, twp. engr.

N. J., North Bergen (br. Weehawken)—July 26, by Twp. Com., Twp. Hall, sheet asphalt on concrete paving. $71,758. R. B. Glenn, twp. engr.

N. J., North Bergen (Ind. br. Weehawken)—July 26, by Twp. Comn., City Hall, bluestone curbing, sidewalks, sheet asphalt or reclipped block on concrete pav-

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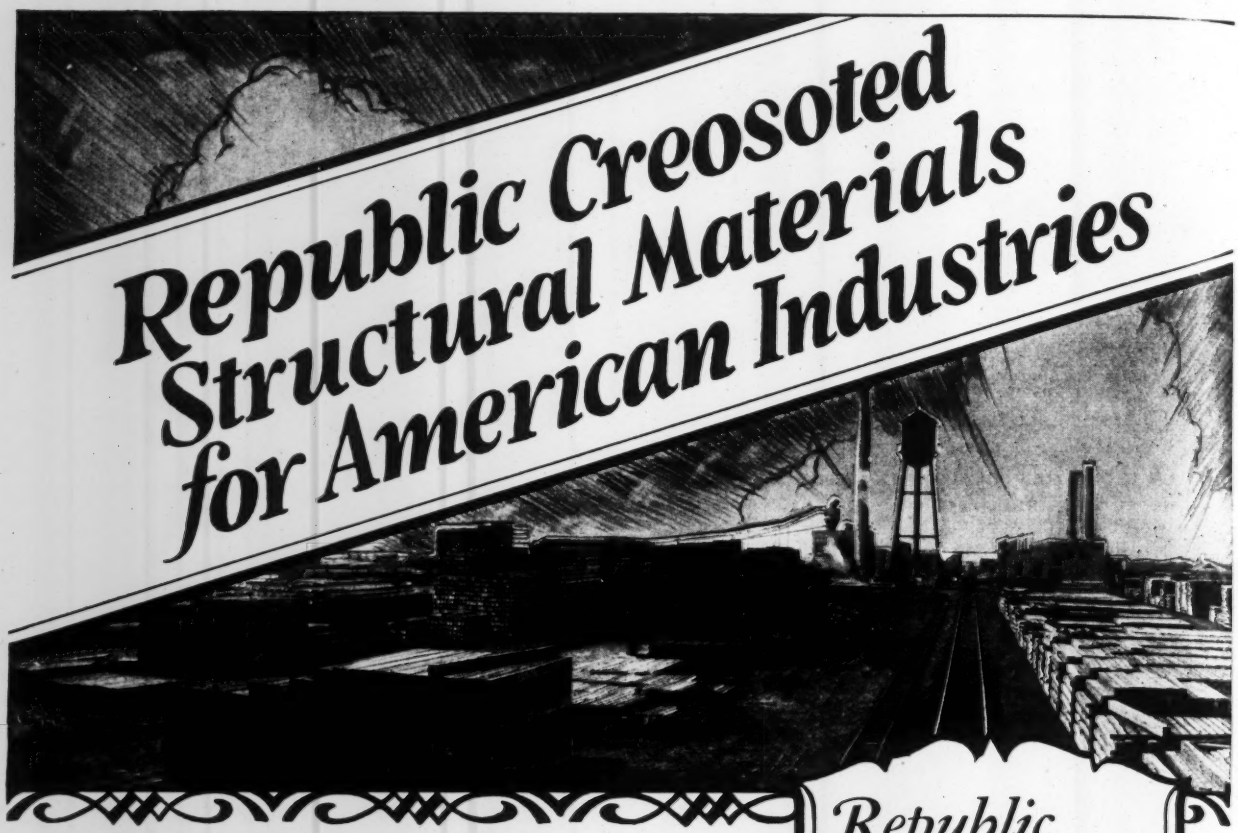

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SEATTLE, WASHINGTON — MOBILE, ALABAMA — NORFOLK, VIRGINIA

Streets and Roads (Continued)

ing Lussen Pl. from Bergenwood Rd. to Hudson Blvd. R. B. Glenn, twp. engr. Noted June 28.

N. J., Red Bank—July 18, by Bd. Freeholders Monmouth Co. (Freehold), rein.-con. paving 34,659 sq.yd. Red Bank-Homedell Rd. G. K. Allen, 60 Broad St., engr.

N. J., Somerville—July 24, by Bd. Freeholders Somerset Co., alternate types paving 26,046 sq.yd. Davidson Bridge-Basking Ridge Rd. O. Smith, Jr., Court House, co. engr.; adv. E. N.-R. July 12.

N. J., Trenton—July 13, by J. E. English, city engr., sheet asphalt on granite block paving Bushler, Dexter, Gardner, George, Homan, Miller, Nassau, Phillips, Power, Perry, Steamboat and 3rd Sts. $300,000. Noted June 7.

Pennsylvania—July 26 and 27, by State Hy. Comn., Harrisburg, grading, rein.-con., macadam paving 65 mi. 28 projects in Armstrong, Beaver, Berks, Bradford, Chester, Elk, Erie, Franklin, Indiana, Jefferson, Lancaster, Leebanon, Lycoming, McKean, Mifflin, Montgomery, Perry, Somerset, Susquehanna, Washington, Wayne and Westmoreland Counties. J. L. Stuart, secy. hys.; adv. E. N.-R. July 12.

Virginia—July 26, by State Hy. Comn., Richmond, concrete paving 7.8 mi. Project F221D; adv. E. N.-R. July 12.

South Carolina — July 24, by State Hy. Dpt., Columbia, **(S.P. means State Project and F.A.P. Federal Aid Project)**, concrete paving 6.8 mi. Route 81, 668-A, Anderson Co.—5 mi. Route 25, F.A.P. 245-B, Sect. 1, Greenville Co.—2 mi. Route 17, F.A.P. 80 and 177, reopened, Contr. 2, Williams Co.—Asphaltic paving 5 mi. Route 9, S.P. 654-A, Dillon Co.—5 mi. Route 9, F.A.P. 50-B, Contr. 2, Dillon Co.—topsoiling 4 mi. Route 5, F.A.P. 71-C, Chester Co.—sand clay surfacing 1.7 mi. Route 215, S.P. 694, Lexington Co. B. M. Sawyer, engr.

Florida—July 31, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee, grading, Florida lime rock paving 15.22 mi. Rd. 2, Project 687-B and 1.87 mi. Rd. 10, Project 53C, Lake Co.—8.57 mi. Rd. 5-A, Project 719 and 12 mi. Rd. 50, Project 764, Suwannee Co.—17.98 mi. Rd. 10, Project 56, Leon Co.—grading 11.08 mi. Rd. 10, Project 802-C, Okaloosa Co. J. L. Cresap, state hy. engr.

Ala., Sheffield—July 17, by City Comn., grading, curbing, guttering, sewers, alternate types paving 33,500 sq.yd. $100,000. R. A. Chapman, Sheffield, engr.

Miss., McComb—July 17, by B. E. Butler, city clk., curbing, guttering, sewers, brick, vibrolithic concrete, sheet asphalt paving 47,750 sq.yd. H. A. Mentz, Hammond, La., engr.

Kentucky—July 19, by State Hy. Dpt., Frankfort, bituminous surface treating 10.42 mi. Taylorsville-Louisville Rd., 16 ft., S. P. 18-B, Spencer Co.—2.65 mi. New Castle-Carrollton Rd., 18 ft., S. P. 46-A-2; and 4.64 mi. New Castle-Eminence Rd., S. P. 46-C, 16 ft., Henry Co.—6 mi. Newport-Alexandria Rd., 17 ft., S. P. 21-A, Campbell Co.—7.5 mi. Falmouth-Alexandria Rd., 15 ft., S. P. 21-C, and 6.4 mi. Falmouth-Cynthiana Rd., 16 ft., S. P. 21-B, 1 mi. Covington-Falmouth Rd., 15 ft., S. P. 62-C, all Pendleton Co.—9.6 mi. Cynthiana-Falmouth Rd., 16 ft., S. P. 21-E, Harrison Co.—16 mi. Maysville-Lexington Rd., 15 and 17 ft., S. P. 20-L, Mason Co.—2.7 mi. Paris-Maysville Rd., 18 ft., S. P. 20-I, 0.5 mi. Paris-Lexington Rd., 32 ft., S. P. 20-H, 7 mi. Paris-Cynthiana Rd., 14 ft., S. P. 21-G, 12 mi. Paris-Mt. Sterling Rd., 15 ft., S. P. 32-A, all Bourbon Co.—5.8 mi. Georgetown-Williamstown Rd., 16 ft., S. P. 5-P, Scott Co.—8.2 mi. Versailles-Frankfort Rd., 18 ft., S. P. 26-B, Woodford Co.—7.6 mi. Lexington-Paris Rd., 18 ft., S. P. 20-G, 4.8 mi. Lexington-Nicholasville Rd., 18 ft., S. P. 23-A, 2.5 mi. Lexington-Harrodsburg Rd., 18 ft., S. P. 47-G, 4.42 mi. Lexington-Richmond Rd., 20 ft., S. P. 5-I, all Fayette Co.—12.76 mi. Winchester-Stanton Rd., 18 ft., S. P. 4-A, and 6.3 mi. Winchester-Paris Rd., 16 ft., S. P. 50-C, Clark Co.—3 mi. Richmond-Lexington Rd., 18 ft., S. P. 5-J-L, Madison Co.—3.1 mi. Nicholasville-Russell Rd., 14 ft., S. P. 166-A, and 7.7 mi. Nicholasville-Lancaster Rd., 16 ft., S. P. 23-C, Jessamine Co.—4.2 mi. Danville-Stanford Rd., 16 ft., S. P. 22-E, 3.5 mi. Danville-Harrodsburg Rd., 16 ft., S. P. 22-D, and 5.18 mi. Danville-Lancaster Rd., 16 ft., S. P. 25-D, all Boyle Co.—2.58 mi. Danville-Lancaster Rd., 16 ft., S. P. 25-E, Garrard Co.—10.5 mi. Somerset-Stamford Rd., 14 ft., S. P. 22-H, Pulaski Co.—9.31 mi. London-Mt. Vernon Rd., 16 ft., S. P. 5-N-1, Laurel Co.—2.66 mi. Mt. Vernon-London Rd., 14 and 16 ft., S. P. 5-N., Rockcastle Co. W. S. Watkins, hy. engr.

Kentucky — July 27, by State Hy. Dpt., Frankfort, surfacing 2.2 mi. Scottsville-Tompkinsville Rd., S. P. 37-A-S, Allen Co.—9.7 mi. Wickliffe-LaCenter Rd., S. P. 8-B-S, Ballard Co.—5.3 mi. Florence-Warsaw Rd., F. A. 168-C-S, Boone Co.—13.9 mi. Bardwell-Lovelaceville Rd., S. P. 9½ A-S, Carlisle Co.—0.7 mi. Fulton-Tennessee State Rd., S. P. 203-A-S, Fulton Co.—19.4 mi. Louisa-Paintsville Rd., S. P. 6-B-S, Lawrence Co.—7.7 mi. Richmond-Winchester Rd., S. P. 50-C-S, Madison Co.—10.7 mi. Eggners Ferry-Benton Rd., S. P. 1-B-S, and 4.8 mi. same road, S. P. 1-A-S, Marshall Co.—7.4 mi. Paducah-Benton Rd., F. A. 163-B-S, McCracken Co.—12.3 mi. Hazard-Jackson Rd., S. P. 4-E-S, Perry Co.—grading 10.- mi. Cattlesburg-Louisa Rd., S. P. 178-A-G, Boyd Co.—4.1 mi. Grayson-Hutchins-Willard Rd., S. P. 43-A-G, Carter Co.—7.6 mi. Marion-Fords Ferry Rd., S. P. 10-D-G., Crittenden Co.—4.6 mi. Greenup-Fullerton Rd., S. P. 106-C-G, Greenup Co.—8.9 mi. Henderson-Corydon-Morganfield Rd., F. A. 51-C-G, Henderson Co.—7.2 mi. Richmond-McKee Rd., F. A. 129-D-G, Madison Co.—6.4 mi. Paducah-Mayfield Rd., F. A. 144-B-G, McCracken Co.—8.7 mi. Chavies-Buckhorn Rd., S. P. 109-A-G, Perry Co.—12.3 mi. Pikesville-Jenkins-Whitesburg R., F. A. 127-E-G, Pike Co.—4.1 mi. same road, F. A. 127-F-G, Letcher Co. J. S. Watkins, hy. engr.

Ohio—July 13, by H. J. Kirk, dir. Hys., Columbus, grading, brick, concrete, or water-bound macadam paving roads in Ashland, Brown, Champaign, Jefferson, Mahoning and Monroe Counties, $292,018; surface treating 121,414 mi. Butler, Clinton, Warren, Clark, Summit, Portage, Columbiana, Lake, Wood, Henry, Wyandot, Stark, and Trumbull Counties, $102,903.

O., Cincinnati—July 13, by C. O. Sherrill, city mgr., grading, concrete curbing, sidewalks, concrete repaving 6,600 sq.yd. Roe St. $30,560.

O., Garfield Heights (br. Cleveland)—July 23, by Village, vitr. brick, concrete paving McCracken Blvd., East 94th and 110th Sts. To exceed $25,000. R. C. Munz, Town Hall, engr.

O., Lisbon—July 16, by Comrs. Columbiana Co., 3 in. limestone surfacing 3 mi. Dungamon-Hanoverton Rd. $25,000. L. C. Kirk, Lisbon, engr.

O., University Heights (br. Cleveland)—July 16, by Village improving Pemberton, Dysart, Northwood, East Scarborough, Charney and Edgerton Rds., Washington and East Carroll Blvds. To exceed $75,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

Ind., Crawfordsville—July 17, by Comrs. Montgomery Co., grading, concrete paving George W. Harshbarger Rd. P. Stump, Crawfordsville, aud.

Ind., Crown Point—July 23, by Comrs. Lake Co., grading, concrete paving George J. Eder et al. Rd., North Twp., $95,700; graveling John Weber et al. Rd., Winfield Twp., $11,000. W. E. Whitaker, Crown Point, aud.

Ind., Elkhart — July 20, by Bd. Wks., brick, asphalt or concrete paving Main St. $86,600. F. J. Anderson, Elkhart, engr.

Ind., Evansville — July 16, by Comrs. Vanderburgh Co., grading, concrete paving Pfeiffer Rd. $43,120. S. Bell, Evansville, aud.

Ind., Indianapolis—July 18, by Comrs. Marion Co., improving 12,660 ft. Holt Rd. $72,864. H. Dunn, Indianapolis, aud.

Ind., Richmond—July 19, by Bd. Wks., brick, asphalt or concrete paving South L St. $25,000. D. B. Davis, Richmond, engr.

Michigan — July 26, by H. C. Fleming, resident engr., Grand Rapids, widening concrete paving, 1.249 mi. MO59-12, C-1, 20 ft., Montcalm Co., for State Hy. Dpt., Lansing.

Michigan — Aug. 1, by R. A. Beers, resident engr., Kalamazoo, graveling 8.84 mi. MO8-8, C-1, 18 ft., Barry Co., for State Hy. Dpt., Lansing.

Michigan — Aug. 2, by R. W. Roberts, resident engr., Saginaw, concrete paving 8.659 mi. MO25-16, C-1 and MO44-21, C-1, 20 ft., Lapeer and Genesee Counties, for State Hy. Dpt., Lansing.

Ill., Chicago—July 17, at office Bd. Local Impvts., City Hall, 6 ft. cement sidewalks on one or both sides 85 streets, boulevards and avenues. M. J. Faherty, pres.

Wisconsin—See "Bridges."

Wisconsin — July 17, by State and Douglas Co. Hy. Comns., Div. Office 8, Telegram Bldg., Superior, graveling 10,726 cu.yd. Spooner-Superior Rd., Federal Aid Projects 377-B and E. H. F. Holmes, div. engr.

Wisconsin—July 19, State and Rock Hy. Comns., Court House, Janesville, grading 7.12 mi. Beloit-Evansville Rd., State Trunk Hy. 92, Project 1145. A. L. Hambrecht, div. engr.

Wis., Milwaukee — July 14, by Dpt. P. Wks., grading 7,338 cu.yd. Ohio Ave., $4,400; standard sheet asphalt paving 40,937 cu.yd. Greenfield Ave., Market, Superior and Wells Sts., $126,460.

Ia., Keokuk—Bids about July 25, asphalt resurfacing 70,000 sq.yd. $175,000. C. J. Nelson, city engr.

Ia., Sidney—July 17, at office R. R. Armstrong, aud. Fremont Co., grading secondary road. R. H. Greenwood, Sidney, co. engr.; adv. E. N.-R. July 12.

Minn., St. Paul — July 17, by K. L. Fieseler, city purch. agc., paving 1 mi. Hamline Ave. between Randolph St. and Edgcumbe Rd. $40,000. J. W. Kelsey, city engr. Noted April 12.

Kan., Meade—July 30, by Clerk Meade Co., grading, culverts, concrete paving 11.052 mi. Federal Aid Project 406-A, 30 ft. H. L. Gilman, Meade, engr.

Kan., Oakley—July 17, by Logan Co., sand gravel surfacing 14.302 mi. 408-3-K 538-B.

Kan., Oberlin—July 16, by Clerk Decatur Co., grading, bridging 8.59 mi. Project 533, 30 ft. T. H. Shannon, Court House, engr.

Kan., Russell Springs—July 17, by J. S. Huddleston, clk. Logan Co., Court House, sand, gravel surfacing 14.304 mi. Project 538-B, 30 ft. R. C. Kealing, Court House, engr.

Kan., St. John—July 31, by Clerk Stafford Co., grading, culverts, sand gravel surfacing 5.303 mi. Project 566, 30 ft. J. Starke, St. John, engr.

Kan., Wakeeney—July 19, by Clerk Trego Co., sand-gravel surfacing 14.496 mi. 408-8, Federal Aid Project 382-C.

Neb., Crawford—July 16, by R. B. Wellington, city clk., grading, curbing, rein.-con. paving 26,800 yd. Paving Dist. 1. $70,000. Henningson Eng. Co., 326-30 Union State Bank, Omaha, engrs. Noted June 28.

Mo., St. Louis—See "Bridges."

Mo., St. Louis—July 31, by Bd. P. Serv., City Hall, asphalt paving 5,815 sq.yd. 23rd St. $38,200, 5,595 sq.yd. 22nd St. $35,133; warrenite bitulithic paving 2,665 sq.yd. Delmar Blvd., $8,400, 3,720 sq.yd. McCausland Ave. $16,880, 2,000 sq.yd. Terry St. $10,120, 1,935 sq.yd. Geyer St. $12,760, 1,505 sq.yd. Neosho St. $10,200. W. W. Horner, City Hall, engr.

Arkansas—July 18, by State Hy. Dept., Little Rock, grading 9 mi. Hy. 3, Sect. 15, Lee Co.—grading, drainage structures 10 mi. Hy. 65, Sect. 14, Jefferson Co.—minor drainage structures and 15 treated timber pile bent bridges, on 15.181 mi. Hy. 1, Sect. 14, Cross Co.—five 180 ft. arch span and 260 ft. deck girder span rein.-con., bridges, approaches on Hy. 7, Sect. 6, Garland Co. C. S. Christian, State House, engr.

Texas—July 16, by G. Gilchrist, state hy. engr., Austin, grading, drainage structures on 27.901 mi. hys. in De Witt, Throckmorton and Fayette Counties, $160,200—grading, concrete paving 10.028 mi. hy. in Harris Co., $288,000—concrete paving 9.83 mi. hy. Carson Co. $234,000.

Tex., McAllen—McAllen Development Co., c/o F. Crow., pres., Federal Reserve Bank, San Antonio, taking bids road work in McAllen Suburban Citrus Groves and McAllen Suburban Winter Vegetable Gardens. $45,000. Private plans.

Tex., San Antonio—See "Unclassified."

Okla., Marshall—July 16 (extended date), by J. A. Cook, city clk., grading, concrete paving 13,110 sq.yd. Missouri, Kansas and Vine Sts. $42,176. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 28.

Colorado—July 17, by State Hy. Dept., Denver, grading, paving Hy. 7, Federal Aid Project 251-C, Boulder Co.—4.371 mi. Hy. 1, Federal Aid Project 277-C, Pueblo Co.—overhead railroad grade crossing, gravel approaches between Grand Junction and Palisade, Federal Aid Project 208-B, Mesa Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Colo., Denver—July 17, by Dept. Impvt. & Parks, grading, curbing, surfacing 33 blocks East Denver Impvt. Dist. 10, $131,798; asphalt paving 20 blocks South Capitol Hill Paving Dist. 15, $45,577. A. K. Vickery, City Hall, engr.

California—July 25, by State Hy. Comn., Sacramento, crushed gravel surfacing 6.3 mi. road between Butte City and East Boundary, Glenn Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Alameda — City Council taking bids grading 1½ in. asphalt surfacing 128,480 sq.ft. Webster St. (approach to Estuary Tube).

Contracts Awarded

New Hampshire—State Hy. Dpt., Concord, 3 in. bituminous macadam on 9 in. broken stone paving 1.882 mi. hy. in Greenland, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $43,235 est. $60,000—one course 6 in. rein.-con. on 8 in. gravel paving 17,134 sq.yd. hy. in Auburn, to State Constr. Co., 42 Prospect St., Somerville, Mass., $51,666 est. $68,000—one

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Streets and Roads (Continued)

course 6 in. rein.-con. on 6 in. gravel paving 47,454 sq.yd. by. in Concord and Hopkinton, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $131,703 est. $175,000. Grand total $226,604. Noted June 14 and 21.

Mass., Boston—City, Transit Dpt., paving, woven wire fence inclosed area at Fields Corner, Dorchester Rapid Transit, to J. A. Singarella Co., 110 High St., $18,560. Est. $25,000. Noted June 14.

R. I., South Kingston (mail Kingston)—Bituminous macadam paving by., to J. Barstow, Wakefield, $28,818.

Conn., Ansonia — Bituminous macadam paving streets, to C. W. Blakeslee & Son, 58 Waverly St., New Haven $20,932, and to D. V. Frione & Co., 105 Ward St., New Haven, $40,744. Est. to exceed $25,000.

Conn., New Haven—E. Nettelton, engr., City Hall, to Blakeslee & Son, 58 Waverly St., paving Church St. and Whitney Ave. $108,055, Artizan St. $1,955, Davenport Ave. $25,282, Alden Ave. $3,640, McKinley Ave. $24,100; to J. F. Daley, New Haven, Downing St. $5,610, Grafton St. $4,480, Pine St. $16,650; to Connecticut Natl. Pavements, Inc., 173 Orange St., Winthrop Ave. $13,335, Olive St. $24,300, Whalley Ave. $71,150, Clay St. $5,595. Grand total $472,528. Noted June 7.

N. Y., Albany—Bd. Contr. & Supply, repaving Columbia and improving Croswell Sts., to Sheehan Contg. Corp., 53 Chapel St., $18,520 and $14,279 respectively; Eileen St., to M. F. Dollard, Jr., Inc., 59 Van Woert St. $22,836, Dartmouth St. and sewer in Rose Court, to Campion Constr. Co., 21 Cuyler Ave., $7,078 and $1,660 respectively. Grand total $64,373. Noted June 28.

N. Y. Buffalo—Bd. Supervs. Erie Co., County Hall, heavy foundation paving 2.33 mi. Pontiac Rd. C.A.T.H. 176, to Town of Evans, Angola, $39,500. Noted June 28.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, heavy foundation paving Transit Rd. extension, to Meyer & Meyer Corp., 21 Transit Rd., Depew, $66,632; Center Line Rd. C.A.T.H. 175, to East Aurora Gravel & Excav. Co., East Aurora, $99,500.

N. Y., Purdy Station—McGolrick Realty Corp., 16 Court St., Brooklyn, crushed stone resurfacing 3 mi. roads at Purdy Lake, to Hitchcock & Vanderhof, 136 Flatbush Ave., Brooklyn.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, paving Oswego Blvd. and Vine St., to J. H. Gallup Co., Merchants Bank Bldg., $99,349 and $26,265 respectively, Erie Blvd. and Glenwood Ave., to Rago Bros., Union Bldg., $56,716 and $35,833 respectively, Boyden St., to Dale Eng. Co., 1066 North Geddes St., $28,607; resurfacing, widening Clinton St., to C. T. Hookway, Weiting Bldg., $32,889. Grand total $279,659. Noted June 21.

N. J., Califon—Bd. Freeholders Hunterdon Co., Flemington, improving 3 1/3 mi. road, to Thompson & Drum, Somerville, $70,804.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt repaving Henderson St., to Lettiere & Bellezza Co., 40 Journal Sq., Jersey City, $168,542. Noted June 28.

N. J., Union—Bd. City Council, City Hall, sheet asphalt repaving Central Ave. from 21st to 32nd St., to Clinton Asphalt Co., 308 16th St., $86,883.

Pennsylvania—State Hy. Comn. Harrisburg, concrete paving 31,100 sq.yd. Dauphin Co., to Sherman & Rhodes, Weissport $113,249—29,000 sq. yd. Montgomery and Berks Counties, to Pottsville Constr. Co., Pottsville $135,230—11,670 sq.yd. Allegheny Co., to S. J. Jordano & Co., 1201 West Liberty St., Pittsburgh $59,528—14,500 sq. yd. McKean Co., to Allegheny Paving Co., 606 Commonwealth Bldg., Pittsburgh $58,057—9,400 sq.yd. Lehigh Co., to R. E. Neumeyer, Bethlehem $36,190—42,400 sq.yd. Westmoreland and Fayette Counties, to Gray Bros. Co., 817 Salt Springs Rd., Youngstown, O. $212,487—32,000 sq.yd. Lackawanna Co., to D. L. Dennis, Harrison Valley $166,896—12,100 sq.yd. Elk Co., to G. J. Weisner, St. Marys $54,720—10,300 sq.yd. Venango Co., to Russell Bros., 3835 Wickliffe Blvd., Youngstown, O. $53,295—grading, rein.-con. paving 9,983 ft. Bucks Co., to G. I. Thompson Co., Clearfield $63,950—bituminous treated surfacing 9,400 sq. yd. Indiana Co., to M. Bennett & Sons, Indiana $22,848. Grand total $976,450. Noted May 31.

Pa., Phila.—Dpt. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., existing granite block with mastic filler on concrete repaving 1,994 ft. Broad St., 69 ft., Contr. 194, to F. A. Canuso & Son, 804 South 12th St., $84,938. Noted June 21.

Maryland—State Roads Comn., Baltimore, concrete shoulders on 2 mi. Montgomery Co., to H. E. Bester, Hagerstown, $13,359—1.7 mi. Cecil Co., to G. A. Atkinson, Port Deposit, $12,524—1.7 mi. Anne Arundel Co., to I. Gudelsky, Overlea, $8,572—concrete paving 1 mi. Montgomery Co., and 1.38 mi. Howard Co., to M. J. Grove Lime Co., Lime Kiln, $23,545 and $26,412 respectively—1.02 mi. Dorchester Co., to P. D. Phillips & Bro., Salisbury, $27,343—1.2 mi. Wicomico Co., to W. W. Truitt, Lincoln City, $18,679—graveling 2.75 mi. St. Marys Co., to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore, $22,787. Grand total $153,221. Noted June 14, 7 and May 24.

Maryland — State Roads Comn., Baltimore, concrete paving Contr. M-103, Montgomery Co., and 0.47 mi. Contr. P-83, Prince George Co., to Loomis Contg. Co., 3552 M St. N. W., Wash., D. C., $20,414 and $12,444 respectively—concrete shoulders on 0.34 mi. Contr. Wo-57, Worcester Co., to Hannemann-Burroughs Co., Salisbury, $2,342—4 mi. Contr. HO-56, Howard Co., to Thomas, Bennett & Hunter, Westminster, $85,270—concrete shoulders, penetration macadam resurfacing 1.08 mi. Contr. B-91, Baltimore Co., to Harry T. Campbell & Sons, Towson, $25,756. Grand total $146,226. Noted June 7 and 14.

Maryland — State Roads Comn., Baltimore, concrete shoulders, macadam resurfacing 1 mi. Contr. F-50-A Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $25,758—graveling 2 mi. Contr. P-82, Prince George Co., to E. R. P. Smith, Hyattsville, $14,338. Noted May 3 and June 7.

W. Va., Hinton—Paving main streets, to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $77,158. Noted June 14.

La., Gretna — Bd. Alderman, grading, curbing, 2 in. warrenite bitulithic paving 11,420 sq.yd. Front St., to Southern Roads Co., Pioneer Bldg., Birmingham, Ala., $37,270. Noted June 21.

Ohio—H. J. Kirk, dir. Hys., Columbus, 2½ in. brick paving 3.309 mi. Fairfield Co., to F. H. Beckler, Athens, $210,787—3.368 mi. Pickaway Co., to W. H. Ringwald Co., Chillicothe, $145,746 — concrete paving 0.2481 mi. Jefferson Co., to W. L. Johnson Co., Hicksville, $10,297—2.548 mi. Knox Co., to Newell & Smith, Defiance, $79,435—3 in. brick paving 2.778 mi. Lucas Co., to A. W. Burns Co., Columbus, $318,063—driving steel piling around toe of abutment and constructing concrete wall Ross Co., to O. M. Junk, Chillicothe, $2,816. Grand total $157,144. Noted June 21.

Ohio—H. J. Kirk, dir. Hys., Columbus, macadam paving 3.266 mi. and 2.582 mi. Putnam Co., to C. E. Edington, Findlay, $73,520 and $60,341 respectively—3.043 mi. and 3.714 mi. Putnam Co., to D. C. Imgold, McComb, $68,309 and $87,803 respectively—concrete paving Sect. "Ottawa West" Van Nest-Ottawa Rd. and 0.44 mi. Putnam Co., to McKechnie-Pierce Co., Toledo, $5,484 and $15,239 respectively. Grand total $310,696. Noted June 28.

Indiana—J. D. Williams, dir. State Hy. Dpt., Indianapolis, concrete paving 10,431 mi. Jasper Co. and 782 mi. Starke and Laports Counties, to McAfee & Smith, Bluffton, $197,056 and $111,402 respectively—3.042 mi. Orange Co., to Sherrill-Blackwell Constr. Co., Bedford, $63,532. Grand total $371,990. Noted June 14.

Michigan—State Hy. Dpt., Lansing, sheet asphalt paving 12.07 mi. MO28-9, C-2, 20 ft., Grand Traverse Co., to State Constr. Division, Lansing, A. L. Burridge, Cadillac, supt., $221,877.

Illinois — State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving in McLean Co., to Cast Stone Constr. Co., Eau Claire, Wis., $120,341—Boone and Henry Counties, to Froemming Bros., 1326 Humboldt Ave., Milwaukee, Wis., $124,655—Marshall Co., to Cameron-Joyce, 17 South 8th St., Keokuk, Ia., $24,934—Washington Co., to W. F. Smith & Co., 25 West Ferguson Ave., Wood River, $127,545—Washington and Clinton Counties, to Stocker Gravel & Constr. Co., 508 Main St., Highland, $46,899—Iroquois Co., to Wabash Constr. Co., Vincennes, Ind., $68,160—Hancock Co., also grading in Hancock Co., to J. L. Wells & Co., Rock Island, $105,275 and $60,037 respectively — grading Fulton Co., to Feiner & Luick, St. Louis, Mo., $42,376—Wayne and White Counties, to M. Haase, St. Joseph, Mo., $79,323—Carroll Co., to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, Minn., $103,812—Whiteside Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $62,105—Fulton Co., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $38,362. Grand total $1,003,724. Noted Apr. 26 and May 30.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, sewers, 7 in. concrete paving 1 alley, to P. J. O'Brien & Co., 4 North Cicero Ave., 1 alley, to John Dillon & Co., 2953 South Halsted St.; grading, curbing, guttering, asphalt on 6 in. concrete paving Blaine Pl., North Whipple St., North Nordica, North Oak Park, North Sacramento and North Spaulding Aves., to Barber Paving Co., West 103rd Pl., West 99th and 101st Sts., Turner, South Maplewood, Oakley, and South Talman Aves., to Amer. Asphalt Paving Co., 133 West Washington St., Parnell Ave., and grading, sewers, curbing, 2 in. asphaltic concrete on prepared macadam repaving Ingleside Ave., to P. J. Conway Co., 844 Rush St.; curbing, guttering, sewers, widening, 10 in. concrete paving Kedzie and Jersey Aves., to J. A. Ross & Co., 4561 Armitage Ave., East 95th St., to Calumet Coal Co., 9022 Commercial Ave.; grading, curbing, guttering, sewers, 8 in. concrete paving South May St., to Hedges Constr. Co., 64 West Randolph St., Walden Parkway, to Farr Bros. Co., 3[illegible] West 111th St., West 64th, 65th and 66th Sts., South Knox, South Kilpatrick and South Keating Aves., to J. A. McGarry & Co., 4556 Patterson St.

Wis., Milwaukee—Comrs. Milwaukee Co., grading, concrete paving 8th and Cottrell Aves., to Kroening Constr. Co., 39th Ave. and Mitchell St., $51,498 and $11,764 respectively; Burleigh Rd., to A. E. Retzlaff, 868 Island Ave., $25,853; Hampton and Green Bay Rds., to Schwerm Bros., 50 Lee St., $44,593 and $19,882 respectively; Port Washington Rd., to McGucken & Vander Hyden Co., Commerce Bldg., $8,[illegible]. Grand total $161,822.

Ia., Dubuque—Dubuque Co., grading 3 mi. Bankston, Farley and Cascade Rds., to Hughes Constr. Co., 1134 31st St., Des Moines, $25,660.

Ia., Sioux City—Woodbury Co., graveling 11.67 mi. secondary roads, to M. Munson, Boone, and H. Miller, Hartley.

Mo., St. Louis—Bd. P. Serv., City Hall, to Perkinson Bros. Constr. Co., 3237 Carter Ave., rein.-con. paving 2,500 sq.yd. Chippewa St. between Grand and Bamberger Sts. $12,565 3,900 sq.yd. Chippewa St. between Gravois and Morganford Aves. $19,088, 1,900 sq.yd. Chippewa St. between Bamberger and Gravois Sts. $9,296; to Skrainka Constr. Co., Security Bldg., 4,260 sq.yd. Landsdowne St., $20,227; to M. L. Flinn Paving Co., 728 South Teresa Ave., asphalt paving 441 sq.yd. McKinley Plaza $24,048, asphaltic concrete paving 2,440 sq. yd. Genevieve St. $15,164, amiesite paving 13,510 sq.yd. Fyler Ave. $76,435, 6,435 sq. yd. Montgomery St. $42,113; to W. A. Riley, 110 North 7th St., rein.-con. paving 1,750 sq. yd. Leona St. $7,025; to Eyerman Contg. Co., 1216 South Grand Blvd., rein.-con. paving 1,700 sq.yd. Oregon St. $12,369; to Central Paving & Constr. Co., 411 North 7th St., warrentie bitulithic paving 2,680 sq. yd. Wren Ave. $17,815; to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 7,250 sq.yd. Euclid St. $1,585, and 8,880 sq.yd. Goodfellow St. $26,568. Grand total $284,248. Noted July 5.

Montana — State Hy. Comn., Helena (**F.A.P. means Federal Aid Project**), grading 139,693 cu.yd. F.A.P. 184-C and D, Unit 1, Granite Co., to J. N. Brown & Son, Bozeman $56,618—108,581 cu.yd. F.A.P. 241-B, Beaverhead, Madison, and Silver Bow Counties, to O'Connor & Patrick, Dillon $49,172—72,448 cu.yd. F.A.P. 222-C, Gallatin Co., to H. & B. Constr. Co., Bozeman $49,249—188,502 cu.yd. F.A.P. 135-B, Rosebud and Custer Counties and crushed graveling 6,245 cu.yd. F.A.P. 26-A and B, Fergus Co., to J. M. Carter, Billings $50,610 and $26,379 respectively—8,817 cu.yd. F.A.P. 77-D, Jefferson and Broadwater Counties, to W. J. Doust, 406 Snidelle Blk., Spokane, Wash. $28,583—2 in. asphalt on 3 in. bituminous concrete paving 30,326 sq.yd. F.A.P. 180, Cascade Co., to S. Birch & Sons Constr. Co., Great Falls $66,220—bridges on F.A.P. 135-B, Rosebud and Custer Counties, to E. R. Hays, Bozeman $9,332—on F.A.P. 53-A, Yellowstone Co. to Yellowstone Constr. Co., Billings $4,782. Grand total $340,946.

Idaho—State Hy. Comn., Boise, (**F.A.P. means Federal Aid Project and S.P., State Project**), grading 76,630 cu.yd. F.A.P. 129-B, Boise Co., to H. E. Cornell, Boise $60,429—27,900 cu.yd. F.A.P. 52-C, Jefferson Co., to W. H. Puckett Co., Boise $29,161—grading, crushed graveling 4,000 cu.yd. F.A.P. 28-B, Jerome Co., to D. Cavanaugh, Twin Falls $22,355—6,300 cu.yd. S.A.P. 118-A, to O. Nelson, Logan, Utah $22,668—25,100 cu.yd. F.A.P. 114-A, Madison Co., to W. Hoops, Twin Falls $56,658. Grand total $191,271.

Washington—State Hy. Comn., Olympia, crushed stone surfacing 2.77 mi. Project 164-B, Lewis Co., to Hammer, Keto, James & Brown, Chehalis $73,778—grading 2.53 mi. Project 167-C, Wahkiakum Co., to Myers & Gonlter, Yakima, $52,765.

Wash., Seattle—Bd. P. Wks., paving 39th Ave. N., to Moceri Bros., 924 23rd Ave., $130,014; 42nd Ave. S. W., to R. G. Stevenson, 1237 Northlake Ave., $98,923; and Campbell Pl. S. W., to Goetz & Brennan, Seaboard Bldg., $39,508. Grand total $268,445.

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Streets and Roads (Continued)

Ore., Portland—Asphalt on bituminous paving East Bway. between Benton St. and center line Union Ave., to Kern & Kibbe, Portland, $126,945. Est. $164,532.

Calif., Los Angeles—Grading, curbing, concrete paving 7,551 ft. Peck Rd., to H. M. Baruch Corp., Lincoln Bldg., $71,389. Est. $90,187. Noted May 24.

Ont., Toronto—East York Twp., amiesite on concrete paving 20,000 sq.yd. Sammon and Pape Aves., to Ontario Amiesite Ltd., foot Spadina Ave., $104,688. Est. $100,000.

Ont., Toronto—East York Twp., asphalt on concrete paving 4 avenues, to Orr & Clark, 111 Alexandra Blvd., $11,947; Wolverleigh Blvd., Barrington and Chisholme Aves., to Kilmer & Barker, 10 Adelaide St. E., $23,325; Linsmore Crescent and Main St., to Ontario Amiesite, foot of Spadina Ave., $20,351. Grand total $55,623.

Ont., Toronto—York Twp., asphalt paving Dennis Ave., to Constructing & Paving Co., Confederation Life Bldg. $11,722, Fairbank Ave., and asphalt on concrete paving Rosethorn and Hanley Aves., to Godson Contg. Co., 203 Richmond St. W., $14,944 and $20,325 respectively; bitulithic paving Windley Ave., to Warren Bituminous Paving Co., 54 University Ave., $6,025. Grand total $53,016.

Public Bond Elections

Coming Bond Elections

Waterworks — Camden, Tenn., July 30, $37,000.

Waterworks—St. Clairsville, O., Nov. 6, $134,000.

Waterworks—Longview, Tex., $25,000.

Sewers—Camden, Tenn., July 30, $56,000.

Sewers—Longview, Tex., $45,000.

Incinerator—Waco, Tex., July 24, $30,000.

Paving—Appleton City, Mo., Aug. 1, $25,000.

Paving—Longview, Tex., $90,000.

Roads—Wirt County, W. Va., Reedy Dist., July 31, $37,000.

Roads — Baylor County, Tex., July 21, $275,000.

Roads — Hardin County, Tex., July 17, $1,900,000.

Hospital—Sedalia, Mo., Sept. 3, $200,000.

Bonds Voted

Water Softening Plant — Mangum, Okla., $50,000. E. W. Gantt, Oklahoma City, Engrs.

Sewers and Disposal Plant—Garber, Okla., $28,000. Long & Co., Oklahoma City, Engrs.

Sewage Disposal Plant—Jamestown, N. D., $120,000.

Flood Control Work—Santa Paula, Calif., $45,000.

Paving—Luling, Tex., $50,000.

Roads—Fall River, Mass., $450,000.

Roads—Live Oak County, Tex., $800,000.

Roads—Willacy County, Tex., $500,000.

High School—Woodward, Okla., $158,000.

Schools—Beverly Hills, Calif., $700,000.

Bonds Defeated

Paving—Coyle, Okla., $30,000.

Roads—Tillman County, Okla., $875,000.

School—Excelsior, Minn., $250,000.

Buildings—Commercial

Proposed Work

Mass., Fall River — HOTEL — Mohican Hotel Co., W. Durfee, 80 Main St., plans by J. M. Darling, North Main St., hotel, North Main and Central Sts. $1,000,000. Noted Feb. 16.

Mass., Marion — CLUB HOUSE, etc. — Devonshire Manor Sales Corp., 1 East 42nd St., New York, sketches by Warren & Wetmore, 16 East 47th St., New York, 5 story, limestone clubhouse, and golf course. Bids about Sept. 1, general contract clubhouse. Total $4,000,000. Noted May 10.

N. Y., Beacon — EMPLOYEES HOME, etc. — Dpt. Correction, Albany, bids in August, employees home, superintendents residence, and additions to Woman's Group; bids in November, rewiring, at Matteawan State Hospital.

N. Y., Brooklyn—APARTMENTS—Hyman Homes, Inc., 951-45th St., M. J. Alexander, pres., plans by M. Rothstein, 186 Joralemon St., seventeen 2 story, 68 x 70 ft., brick, timber, East 2nd St. and Avenue V. $240,000.

N. Y., Brooklyn—APARTMENT—Kemlog Realty Corp., 26 Court St., H. Joondeph, pres., plans by M. Rothstein, 186 Joralemon St., 4 story, 99 x 120 ft., brick, timber, Rockaway Parkway and Church Ave. $150,000.

N. Y., Brooklyn—APARTMENTS and GARAGES—Vintage Realty Corp., 2005 Stillwell Ave., C. H. Griel, pres., plans by J. Kallich, 26 Court St., twenty-six 2 story apartments and garages, 20 x 70 ft., West 13th St. and Avenue V. $300,000.

N. Y., Brooklyn—COURT HOUSE—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sketches by Collins & Collins, 19 West 44th St., New York, 7 story, brick, steel, stone, Smith and State Sts. $3,500,000.

N. Y., Brooklyn—GARAGE—Brooklyn Parking Terminal, Inc., 250 Park Ave., New York, plans by J. B. Peterkin, 285 Madison Ave., 6 story, 101 x 220 ft., concrete, brick, DeKalb and Navy Sts. $300,000.

N. Y., Brooklyn—STADIUM and STORE—Bedford Gardens, Inc., 913-45th St., M. Perlware, pres., plans by S. L. Malkind, 93 Court St., 4 story, 231 x 756 ft., brick, steel, Bedford Ave. and Beverly Rd. $750,000.

N. Y., Glens Falls—OFFICE—Glens Falls Insurance Co., E. W. West, pres., 191 Glen St., soon lets contract general contract 3 story, brick office building. $700,000. G. B. Post, 101 Park Ave., New York, archt.

N. Y., King Park — LABORATORY — Dpt. Mental Hygiene, Albany, bids in August, laboratory; changing heating system, Group 2, Wards 51 and 52, at Kings Park State Hospital.

N. Y., New York—HOSPITAL—Gotham Hospital, A. S. Boyce, chn. com., 475 5th Ave., sketches by G. Atterbury, 139 East 53rd St., 150 x 161 ft., brick, steel, 5-7 West 107th St. To exceed $1,000,000.

N. Y., New York — HOTEL — A. W. Smith, 127 Valentine Lane, Yonkers, plans by E. Roth, 1440 Bway., 15 story, 67 x 101 ft., brick, steel, 139 Washington Pl. $300,000.

N. Y., New York—STORE and OFFICE, etc.—Bway. Block Corp., W. Melville, pres., 14 West 45th St., postponed indefinitely construction 4 story, 20 x 108 ft., steel, 1651 Bway. $1,100,000. Schultz & Weaver, 17 East 49th St., archts. Noted Dec. 17.

N. Y., New York — THEATRE and STORE — Highbridge Realty Corp., 1540 Bway., and T. W. Lamb, archt., 644 8th Ave., bids early in September, 199 x 205 ft., brick, steel, 4140 Bway. $1,250,000. Noted April 12.

N. Y., Yonkers — OFFICE — Leeschest Building Co., 5 Getty Sq., J. Goldfob, pres., plans by Warren & Wetmore, 16 East 47th St., New York, 22 story, brick, steel office building. $1,000,000.

N. J., Atlantic City — THEATRE — Colonial Trust Co., 13th and Market Sts., Phila., Pa., plans by Hoffman-Henon Co., 16th and Chestnut Sts., Phila., Pa., theatre, 4,000 seating capacity, Boardwalk and Arkansas Ave. $4,000,000. Stanley Co. of America, Atlantic City, lessee.

N. J., Lake Hopatcong—SANITARIUM—Deborah Jewish Relief Society, M. L. Unger, chn., 24 Branford Pl., Newark, sketches by F. Grad, 1023 Broad St., Newark, 4 story, basement, brick, steel, plain found. $1,000,000.

Pa., Phila.—APARTMENT—Owner, c/o R. M. Dippy, archt., 1600 Walnut St., 20 story, basement, 110 x 120 ft., rein.-con., brick, steel, plain found., 19th and Pine Sts. $1,500,000.

Pa., Pittsburgh—HOSPITAL—Allegheny General Hospital, 110 Stockton Ave., H. L. Mason, Jr., pres., plans by York & Sawyer, 100 East 42nd St., New York, 15 story, brick, steel hospital, incl. small power plant, North Ave. and Porterfield St. $6,000,000. C. R. Place, 70 East 45th St., New York, engr.

D. C., Wash.—HOSPITAL—A. P. Clark, archt., 816 14th St. N. W., soon lets contract 8 story, 41 x 100 ft. addition, for Emergency Hospital, 1709 New York Ave. N. W.

N. C., Spencer—PASSENGER STATION—See "Railways under North Carolina."

Tenn., Nashville—BANK—Bank of Commerce & Trust Co., Bank of Commerce Bldg., T. O. Vinton, pres., plans by Hanker & Cairns, Court Square Bldg., 3 story, basement, 150 x 150 ft., concrete, steel, granite, 2nd and Monroe Sts. $1,000,000.

Ill., Chicago—AUTO SERVICE—R. B. Kurzon, archt., 105 West Monroe St., soon lets contract 2 story, basement, 140 x 202 ft. rein.-con., brick, Michigan Ave. and 26th St., for Syndicate, c/o architect. Noted June 7.

Ill., Chicago—HOSPITAL—Mercy Hospital, Prairie and Calumet Aves., plans by J. McCarthy, 139 North Clark St., 3 story, basement, 125 x 177 ft., brick addition, 2537 Prairie Ave.

Kan., Coffeyville—CITY HALL—Soon takes bids 2 story, basement, 118 x 130 ft., brick, stone city hall, C. A. Henderson, Coffeyville, Owen Sayler & Payson, Kansas City, Mo., consult. archts. $225,000 bonds sold. Noted May 10.

Mo., St. Louis—FRUIT EXCHANGE—R. E. Mohr, archt., 1765 Ry. Exch. Bldg., soon lets contract 1 story, 56 x 640 ft. and 82 x 140 ft. fruit exchange, rein.-con., brick, incl. two sidetracks, 75 car capacity, 2nd and Carr Sts., for Wabash Ry. Co., R. H. Howard, ch. engr., $850,000.

Mo., St. Louis — OFFICE — Arlington Investment Co., c/o Manske & Bartling, archts., 410 North Euclid Ave., 15 story, basement, 10 x 106 ft., rein.-con., brick, stone, steel, 14th and Olive Sts. $1,000,000.

Tex., San Angelo — DEPARTMENT STORE—B. Hemphill Co., San Angelo, bids after July 15, 5 story, basement, brick, rein.-con., plain found. $200,000. D. M. Morgan, San Angelo, archt. Noted May 3.

Calif., Los Angeles—OFFICE—Southern California Edison Co., 306 West 3rd St., plans by Allison & Allison, Hibernian Bldg., 12 story, basement, 175 x 175 ft., steel, rein.-con., Grand Ave. $2,000,000.

Calif., Los Angeles — STORE, OFFICE and LOFT—A. D. Van Vranken Co., 756 South Spring St., plans by Morgan, Walker & Clements, 1135 Van Nuys Bldg., 10 or more stories, 102 x 156 ft., rein.-con., steel, 12th St. and Grand Ave. $1,000,000.

Ont., Hamilton—HOTEL, GARAGE and BUS TERMINAL—Royal Hotel & Terminal Syndicate, c/o W. G. Brown, archt., 327 James St. S., 12-14 story, basement, 140 x 330 ft., rein.-con., brick, steel, plain found., Vine, Merrick and James Sts. $2,000,000.

Bids Desired

Mass., Newton (Ind. br. Boston) — STORE and OFFICE — Stuart-Marshall Realty Co., 280 Centre St., taking bids 2 story, basement, 100 x 125 ft., brick, stone, plain found., Newton Centre. $150,000. C. White, 199 Harvard Circle, Newtonville, archt. Noted May 24.

N. Y., Albany—THEATRE—T. W. Lamb, archt., 644 8th Ave., New York, bids about July 15, 3 story, brick, steel, 1030 Madison Ave., for Stanley Mark Strand Corp., 1579 Bway., M. L. Mark, genl. mgr. $400,000.

N. Y., Brooklyn—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Harrison — APARTMENT — See "Contracts Awarded."

N. Y., New City—COURT HOUSE—July 17, by Bd. Supervs, Rockland Co., J. J. Brown, chn., 53 Lafayette Ave., Suffern, general contract court house, State St. $1,000,000. Dennison & Hirons, 40 East 49th St., New York, archts. Noted Apr. 19.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOTEL, STORE and RESTAURANT — Mathew Byrne Estate, 120 Bway., taking bids general contract altering 12 story, 75 x 150 ft., brick, steel, 539 5th Ave. $500,000. G. and E. Blum, 415 Lexington Ave., archts. Noted June 21.

N. Y., Rochester — HOTEL and RAMP GARAGE — J. Jorostow, 176 Meigs St., taking bids 7 story, basement, Cumberland St. $800,000. W. Aronwits, 311 Alexander St., engr.

N. J., Atlantic City—HOTEL—Rankin & Kellogg, archts., 1805 Walnut St., Phila., Pa., bids about Sept. 12, general contract 6 story, basement, brick, steel addition to Chalfonte-Haddon Hall Hotel, plain found., for Leeds & Lippincott Co., North Carolina and Beach Aves. $500,000.

N. J., Bayonne—CITY HALL—Bd. City Comrs., City Hall, bids about Aug. 1, 4 story, basement, brick, steel, plain found., Ave. C between 27th and 28th Sts. $250,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Aug. 1.

N. J., Elizabeth — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENTS — See "Contracts Awarded."

N. J., Newark—HOTEL—A. Giacomelli, 139 Pennington St., bids about July 16, general contract 12 story, basement, brick, steel, rein.-con., plain found., Pennington St. $350,000. N. Harris, 20 Branford Pl., archt.

N. J., Newark — HOTEL — Majestic Holding Co., c/o W. E. Lehman, archt., 972 Broad St., taking bids 15 story, basement, 90 x 125 ft., rein.-con., brick, steel, plain found., Broad and Hill Sts. $2,000,000. Noted May 31.

N. J., Passaic — COMMERCIAL — See "Contracts Awarded."

N. J., Paterson—HALL of RECORDS and JAIL—Bd. Freeholders Passaic Co. bids about Aug. 1, general contract 8 story, basement, 175 x 200 ft., brick, steel, plain found., Grand and Spring Sts. $500,000. H. B. Crosby, 125 Ellison St., archt.

N. J., Ridgefield — APARTMENT — See "Contracts Awarded."

N. J., Scotch Plains — STORE and APARTMENT—See "Contracts Awarded."

N. J., Summit—STORE and OFFICE—July 16, by R. S. Shapter, archt., 23 Maple St., 5 story, basement, 90 x 100 ft., brick, steel, plain found., Beachwood Rd. and

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AMERICA NEEDS MORE GARAGES IN HER CITIES

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RAMP BUILDINGS CORPORATION

21 East 40th Street New York, N. Y.

Buildings—Commercial (Continued)

Springfield Ave., for Summit Development, c/o architect, $150,000. Noted June 28.

N. J., Trenton—OFFICE—July 25, by State House Comn., (2nd unit) 4 story, state office building. $500,000. J. O. Hunt & H. Kelly, 219 East Hanover St., archts.

N. J., Verona (Ind. br. Montclair) — SANITARIUM — Bd. Freeholders Essex Co., Fairview Ave., A. Ball, chn., bids about July 25, 3 story, basement, brick, steel, plain found. $2,000,000. Sutton, Sutton & Calkins, 402 Broad St., Newark, archts. Runyon & Carey, 31 Fulton St., Newark, engrs. Noted Feb. 2.

S. C., Charleston—BANK—Citizens & Southern Natl. Bank, A. E. Bird, pres., taking bids 60 x 90 ft., Indiana limstone, Broad and Church Sts. $150,000-$250,000. O. Otto, c/o owner, engr.

Ga., Atlanta—CITY HALL—July 23, by H. C. McCutcheon, chn., City Council, City Hall, 15 story, basement, 120 x 160 ft., concrete, brick, steel, Washington and Mitchell Sts. $1,250,000. G. Lloyd Preacher & Co., Wynne Claughton Bldg., archts.

La., Monroe—HOTEL—Aug. 1, by J. W. Smith & Associates, archts., Ouachita Bank Bldg., 7 story, mezzanine, 40 x 120 ft., rein.-con., brick, steel, De Siard and 5th Sts., for Harrison Building Corp. $300,000. Noted May 3.

Tenn., Memphis—OFFICE—July 16, by W. C. Hedrick, archt., 1005-1st. Natl. Bank Bldg., Ft. Worth, Tex., 29 story, 148 x 149 ft., rein.-con., brick, steel, terra cotta, 3rd and Madison Sts., for R. S. Sterling, et al., Post Dispatch Bldg., Houston, Tex. $2,500,000.

Ind., New Castle — INSTITUTION — State Building Comn., Indianapolis, taking bids and open same about Aug. 3, three womens buildings, brick, steel. $150,000. Follz-Osler & Thompson, Wild Bldg., Indianapolis, archts. Noted Nov. 25, 1926.

Ind., Vincennes—GARAGE and STORE —July 18, by Lenehan & Dunphy, 1 story, basement, 150 x 280 ft., rein.-con., brick, steel, stone, 5th and Vigo Sts. $150,000. J. B. Bayard, Vincennes, archt.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Minn., Minneapolis — HOSPITAL — July 17, by State Comn. Administration & Finance, 10 State Capitol Bldg., St. Paul, (3 units) 4 story, basement, rein.-con., brick, Bedford stone, State University. $800,000. C. H. Johnston, 360 Robert St., St. Paul, archt. Noted Aug. 11, 1927.

Minn., Minneapolis—July 17, by Minneapolis Y.W.C.A. C. C. Webber, chn. building com., 87 South 7th St., rein.-con., brick, 12th St. and Nicollet Ave. $600,000. Hewitt & Brown, 1200 2nd Ave. S., archts.

Tex., San Antonio — THEATRE — July 20, by Interstate Amusement Co., K. Hoblitzelle, pres., Preston Rd., superstructure and mechanical equipment Majestic Theatre, 12 story, 164 x 168 ft., brick, steel, concrete, stone, terra cotta, East Houston St. $2,250,000. J. Eberson, 212 East Superior St., Chicago, Ill., archt. Noted May 10.

Tex., Quitaque—July 23, by Mayor, waterworks improvements, incl. pump house, machinery, 50,000 gal. tank, 100 ft. tower, 50,000 gal. reservoir, 31,910 ft. 2- to 8-in. c.i. pipe. Montgomery & Ward, Wichita Falls, engrs.

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Ont., Hamilton—HOME—W. J. Walsh, archt., Terminal Bldg., taking bids 2 story, basement, rein.-con., brick, steel addition, plain found., John St. N., for City. $150,000.

Ont., Ottawa — THEATRE — Famous Players Corp.of Canada, Montreal, Que., taking bids general contract rein.-con., brick, steel, Queen St. $1,250,000. T. W. Lamb, 644 8th Ave., New York, archt. C. Helm, Bank St. Chambers, 102 Bank St., Ottawa, resident archt. Noted Mar. 29.

Contracts Awarded

Vt., Northfield — ARMORY — Norwich University, Norwich, 3 story, 100 x 250 ft., brick, steel, plain found., Main and Parade Sts., to A. B. Lane, Barre. Est. $150,000 or more.

Mass., Boston — HOSPITAL — Boston Lying-in Hospital, L. Bachelder, chn. building com., 431 Massachusetts Ave., 5 story, basement, 40 x 200 ft., and 45 x 150 ft., brick, steel, stone, rein.-con. addition, plain found., 221 Longwood Ave., to Stone & Webster Inc., 49 Federal St. Est. $1,000,000. Noted Feb. 2.

Mass., Fitchburg—THEATRE—Kenmore Realty Co., B. Rockman, 41 Nobscot Rd., Newton, brick, concrete, steel, stone, to P. Rich & Son 60 Scollay Sq., Boston. Est. $350,000. Noted Apr. 5.

N. Y., Brooklyn—STORE and APARTMENT—C. Coppelami Constr. Co., 86 Van Sicklen St., 6 story, 138 x 192 ft., brick, timber, 4th Ave. and 92nd St., separate contracts. $600,000. Seelig & Finkelstein, 66 Court St., archts.

N. Y., Buffalo—EXCHANGE—New York Telephone Co., State St., Albany, 12 story, rein.-con., brick, steel plain found., Church St., to J. W. Cooper, Fidelity Bldg. Est. $1,500,000. Noted Nov. 4.

N. Y., Glens Falls — HOTEL — Glens Falls Hotel Corp., c/o J. G. White Eng. Corp., archts., 43 Exchange Pl., New York, Hotel Queensbury addition, to Rhinelander Constr. Co., Glens Falls. Est. $190,000. Noted June 28.

N. Y., Harrison—APARTMENT—Purdy Gibbons Corp., c/o Ellis Aaronson & Heindrick, archts., 25 West 43rd St., New York, apartment, Purdy and Soulard Sts., separate contracts. $150,000.

N. Y., New York — APARTMENT — Audray Holding Corp., H. Kraft, pres., 345 Madison Ave., 16 story, 72 x 82 ft., brick, steel, 20 West 86th St., separate contracts. $800,000. J. M. Felson, 250 West 57th St., archt. Noted June 14.

N. Y., New York—APARTMENT—Colmed Realty Co., 475 5th Ave., S. Silk, pres., 12 story, 120 x 158 ft., brick, steel, 617 West 168th St., separate contracts. $1,000,000. Owner takes bids in August. R. H. Segal, 475 5th Ave., archt. Noted June 21.

N. Y., New York—APARTMENT—Six Twenty-Three Park Ave. Corp., R. O. Brown, pres., 111 East 65th St., 16 story, 80 x 120 ft., brick, steel, 623 Park Ave., to Starrett Bros., Inc., 101 Park Ave. Est. $600,000.

N. Y., New York—BANK and OFFICE—Central Union Trust Co., 80 Bway., G. W. Davidson, vice-pres., altering 18 story, bank and office building, to Marc Eidlitz & Son, 41 East 42nd St. Est. $750,000. Noted June 21.

N. Y., New York—GARAGE—Eighteen Twenty-Eight 1st Ave. Corp., 220 West 42nd St., W. Kessler, pres., 2 story, brick, steel, 95th St. and 1st Ave., to Atline Co. Inc., 55 West 42nd St. Est. $150,000.

N. Y., New York — HOTEL — Greeley Square Hotel Co., F. A. Duggan, McAlpine Hotel, interior alterations McAlpin Hotel, 34th St. and Bway., to Thompson Starrett Co., 250 Park Ave. Est. $2,000,000. Noted June 21.

N. Y., St. George—THEATRE—Statisle Realty Co., 56 Bay St., Stapleton, theatre, Hyatt St., to M. Shapiro & Sons, 1560 Bway, New York. Est. $650,000.

N. J., Elizabeth — APARTMENT — Kowalsky & Gold, 541 Linden Ave., plans by W. L. Finne, 91 Broad St., 3 story, 55 x 110 ft., brick, plain found., Newcomb and Vine Sts., separate contracts. $150,000. Noted July 5.

N. Y., Lynbrook — THEATER — Owner, c/o W. B. Wills & Sons, archts., 852 Monroe St., Brooklyn, 3 story, brick, steel, Sunrise Hy., to McAndrew Constr. Corp., 1457 Bway., New York. Est. $1,000,000.

N. J., Newark—APARTMENT—Fidelity Building Corp., 24 Commerce St., 4 story, basement, 50 x 100 ft., brick, structural steel, plain found. Lyons Ave., separate contracts. $150,000. N. Norelli, 786 Broad St., archt.

N. J., Newark—APARTMENT—H. Lilien, 234 Highland Ave., plans by Lilien & Lilien, 155 West 72nd St., New York, 6 story, basement, 50 x 150 ft., brick, steel, plain found., 532-4 Clinton Ave., separate contracts. $200,000. Noted July 5.

N. J., Newark—APARTMENTS—Miller & Johnson c/o N. Norelli, archt., 786 Broad St., two 4 story, basement, 80 x 85 ft., brick, steel, plain found., Highland Ave., separate contracts. $175,000.

N. J., Passaic—COMMERCIAL—M. E. Lindenstruth, c/o B. Bellay, archt., 625 Main Ave., 3 story, basement, 50 x 100 ft., brick, steel, plain found., 267-69 Passaic St., separate contracts. $150,000. Noted July 5.

N. J., Ridgefield — APARTMENT — E. Light, 456 Broad Ave., Palisades Park, 4 story, basement, 50 x 100 ft., brick, steel, plain found., separate contracts. $150,000. Lucht & Anderson, 432 Palisades Ave., Cliffside, archts. Noted July 5.

N. J., Scotch Plains — STORE and APARTMENT — Mobile Constr. Co., 9 Clinton St., Newark, 2 story, basement, 65 x 160 ft., brick, steel, plain found., separate contracts. $150,000. C. C. Bell, 17 Union Ave., Cranford, archt. Noted July 5.

N. J., Somerville—CLUB and STORAGE —P. C. Van Nuys, archt., 1 West Main St., general contract 3 story, basement 70 x 150 ft., brick, steel, plain found., 149 West Main St., to Macchi & Co., West Main St., for Raritan Valley Aerie 2013 Fraternal Order of Eagles. $150,000. Noted July 4.

N. J., Summit — HOTEL—J. W. Hatt, Inc., 123 Plant St., Newark, general contract 4 story, basement, 45 x 200 ft., brick, stone, steel, plain found., to M. Byrnes Building Co., 430 Westfield Ave., Elizabeth. Est. $400,000. Noted June 28.

N. J., Trenton — HOTEL — Owner, c/o W. Hankin, archt., 224 East Hanover St., general contract 8 story, basement, brick, steel addition, plain found., to Longacre Eng. & Constr. Co., 345 Madison Ave., New York. $150,000.

N. J., Ventnor (br. Atlantic City) — APARTMENT — C. J. McIlvaine, Otis Bldg., Phila., Pa., 10 story, basement, 63 x 106 ft., rein.-con., brick, steel, plain found., Oxford Ave. and Boardwalk, to Gill Constr. Co., City Centre Bldg., Phila., Pa. Noted June 14.

Pa., Phila. — APARTMENT HOTEL — Green Hill Farms Hotel Co., City Line and Lancaster Ave., 8 story, basement, 81 x 162 ft., rein.-con., brick, steel addition, plain found., to D. A. McClelland, Drexel Bldg. Est. $500,000. Noted Mar. 1.

Pa., Phila.—APARTMENT—R. J. McDonnell, Merion, 8 story, basement, 50 x 138 ft., rein.-con., brick, steel, plain found., 6950 Overbrook Rd., to B. F. Coward, 1835 Market St. Est. $450,000.

Pa., Phila. — OFFICE — Bell Telephone Co., 176 and Arch Sts., 3 story, basement, 62 x 127 ft. central office addition, Lancaster and Media Sts., to J. N. Gill Co., City Center Bldg. Est. $200,000.

Md., Baltimore—BANK and OFFICE—Taylor & Fisher, archts., Union Trust Bldg., and Smith & May, archts., Calvert Bldg., 32 story, basement, 111 x 194 ft., brick, steel, limestone, to J. Henry Miller, Inc., Eutaw and Franklin Sts., for Baltimore Trust Co., D. Symington, pres., 25 East Baltimore St. $3,000,000. Noted June 21.

Miss., Jackson — HOTEL — N. M. Overstreet, archt., Mississippi Fire Insurance Bldg., general contract 8 story, basement, rein.-con., brick, steel, terra cotta, East Capitol St., to Seaboard & Southern Constr. Co., Atlanta, Ga., for N. L. Carpenter, Natchez, and H. A. Wilson, Greenwood. $375,000. A. H. Alvis, c/o Heidelberg Hotel, lessee.

Tenn., Memphis — APARTMENT — Real Estate Trust Co., Citizens & Savings Bank Bldg., 9 story, rein.-con., brick, Court Ave. to S. & W. Constr. Co., Shrine Bldg., $700,000.

O., Akron—STORE—Akron Dry Goods Co., 16 South Main St., rebuilding 5 story, basement store building, South Main St., to Carmichael Constr. Co., Central Saving & Trust Bldg., $250,000.

O., Cleveland — CLUB HOUSE — Cleveland Club, c/o W. J. Van Akeen, 1715 Euclid Ave., 12 story, basement, 120 x 192 ft., brick, steel, concrete, Carnegie Ave. and East 107th St., to Thompson-Starrett Co., 250 Park Ave., New York. Est. $1,600,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., A. W. Bailey, 750 Huron Rd., 2 story, basement, 120 x 130 ft., rein.-con., stone, East 55th St. and Prospect Ave., to Lundoff-Bicknell Co., B. F. Keith Bldg. Est. $350,000. Noted May 10.

O., Dayton—OFFICE—Refiners Oil Co., 315 South Main St., 8 story, basement, 58 x 110 ft., rein.-con., brick, tile, plain found. Monument St., to H. R. Blagg Co., 1229 East 3rd St., $500,000.

Ind., South Bend—UNION PASSENGER STATION—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Cleveland, O., and New York Central R.R., 466 Lexington Ave., New York, F. B. Freeman, ch. engr., general contract 3 story, basement, 85 x 180 ft., rein.-con., brick, steel, stone, to Walsh Constr. Co., 114 West 3rd St., Davenort, Ia. Est. $500,000. Noted May 10.

Ill., Chicago — APARTMENT — T. D. Randall, 1609 Howard St., masonry and carpentry work 10 story, basement, 66 x 149 ft., rein.-con., 5510 Kenwood Ave., day labor. W. L. Hoffman, archt., 718 West 63rd St., taking bids heating, plumbing, 2 passenger elevators mechanical ventilating system, central refrigerating plant. $750,000.

Ill., Chicago—OFFICE and STORE—Holabird & Root, archts., 333 North Michigan Ave., general contract on superstructure 16 story, basement, 107 x 231 ft., granite, brick, steel, stone, caisson found., to Lundorf-Bicknell Co., 180 North Michigan Ave., for Palm-olive-Poot Co., 360 North Michigan Ave. Est. $2,500,000. Noted May 3.

Ill., Chicago — SALES and SERVICE — Community Motors, Inc., 235 East 33rd St., general contract 2 story, on 128 x 176 ft. site, Madison St. and La Vergne Ave., to Holton, Seeley & Co., 235 East 33rd St. Est. $300,000.

Wis., Milwaukee — BANK — East Side State Bank, 418 East North Ave., general contract 1 story, basement, 12 x 86 x 126 ft., brick, plain found., North Ave., to H. Schmitt & Son, 14 Burleigh St. Est. $150,000. Noted June 21.

Neb., Hastings — MASONIC TEMPLE — Hastings Cathedral Assn., H. Proffitt, secy.,

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Buildings—Commercial (Continued)

general contract 4 story, basement, 102 x 190 ft., rein.-con., brick, steel, to John Loff & Sons, 4012 Lake St., Omaha. $253,750. Est. $300,000. Noted June 21.

Mo., Normandy — CLUB — North Hills Country Club, c/o R. C. McElvain, pres., 4355 Warne Ave., St. Louis, general contract 2 story, basement, 144 x 200 ft., concrete, stucco, hollow tile, brick club, incl. 36-hole golf course, 40 x 90 ft. swimming pool 10 ft. deep, Hunt Rd. and Melrose Ave., to F. F. Meckfessel Constr. Co., 6625 Delmar Blvd., St. Louis. Est. $150,000. Noted May 24.

Mo., St. Louis—HOTEL—William H. & Nelson Cunliff Co., 410 North Euclid Ave., 15 story, basement, 50 x 106 ft., rein.-con., brick, stone ,terra cotta, 15th and Olive Sts. Owner builds. Est. $1,000,000. A. B. Boyer, Arcade Bldg., archt.

Mo., St. Louis—OFFICE—See Railways under "Missouri."

Tex., Dallas—APARTMENT HOTEL, STORE and THEATRE—J. F. Smith, University Park Development Co., Snider Plaza, 7 story, basement, 100 x 128 ft., rein.-con., brick, plain found., Snider Plaza, to Churchill Humphrey Co., Magnolia Bldg., $430,000.

Tex., San Angelo—HOTEL—B. B. Hail of West Texas Lumber Co., general contract 14 story, brick, rein.-con., steel, to R. E. McKee, El Paso. Est. $1,000,000. Hilton Hotel Co., Dallas, lessee. Noted June 7.

Okla., Oklahoma City—OFFICE—S. Ferris, Pauls Valley, 4 story, 100 x 100 ft., rein.-con., brick addition to Cotton Exchange Building, to Tankersley Constr. Co., Tradesmens Bldg., $150,000. Noted May 4.

Wash., Seattle—STORE and OFFICE—J. G. Von Herberg, c/o H. Bittman, archt., Securities Bldg., 3 story, (ultimately 6 story) basement, 120 x 126 ft., rein.-con., steel, 6th and Pine Sts., to West Coast Constr. Co., Lloyd Bldg., $300,000.

Calif., Oakland—ADMINISTRATION—School Dist., 3 story, rein.-con. administration (school) building, to Liebert & Trobock, 185 Stevenson St., San Francisco, $169,696. Noted July 5.

Calif., San Francisco — APARTMENT — J. G. Kincannon, 254 Edgewood Ave., 6 story, basement, rein.-con., Eddy St. near Leavenworth St., day labor. $150,000.

Ont., Toronto—CLUB HOUSE—Eglinton Hunt Club, Eglinton & Avenue Rd., general contract 1 and 2 story, basement, 100 x 300 ft., rein.-con., brick, steel, plain found., incl. bowling alleys, swimming pools, to A. R. Holmes Ltd., 6 Hayden St. Est. $200,000. Noted July 5.

Ont., Toronto—OFFICE—Adelaide-Sheppard Co., Ltd., Central Bldg., 16 story, basement, 70 x 100 ft., rein.-con., brick, steel, plain found., Adelaide St. W., to Simcoe Constr. Co., Central Bldg. Est. $1,000,000.

Buildings—Industrial

Proposed Work

Me., Eastport—FACTORY, etc.—Blanchard Mfg., Co., A. L. Blanchard, treas., factory, office and wharf. $40,000 or more. Engineer and architect not selected.

Mass., Chelsea (br. Boston)—FACTORY—Beaudette Mfg. Co., Crescent Ave., plans by Schein & Levine, 448 Bway., 2 story, brick addition, plain found.

N. Y., Amenia—POWER HOUSE—Dpt. Mental Hygiene, Albany, bids in August, power house and tunnels at Wassaic State School, for Mental Defectives.

N. Y., Auburn—SHOP—Dpt. Correction, Albany, bids in October, shop building at Auburn Prison.

N. Y., Brooklyn—GASOLINE STORAGE TANKS—Beacon Oil Co., Inc., 320 Freeman St., bids probably in September, gasoline storage tanks, Freeman and East Provost Sts. $144,610. B. F. Fallon, 26 Auckland St., Boston, Mass., archt. Noted June 28.

N. Y., Brooklyn—SERVICE GARAGE—Daleson Realty Corp., 187 Remsen St., D. Levine, pres., plans by C. Goodman, 375 Fulton St., 1 story, 90 x 198 ft., concrete, brick, East New York and Troy Aves. $85,000.

N. Y., Brooklyn—SERVICE GARAGE—P. D. B. Building Corp., 475 Crown St., P. Butterman, pres., plans by Farber & Kalkin, 1746 Pitkin Ave., 82 x 211 ft., concrete, brick, East New York Ave. and Herzl St. $250,000.

N. Y., Brooklyn—SERVICE GARAGE—Realty Associates, 162 Remsen St., W. Greve, pres., plans by B. Driesler, Jr., 153 Remsen St., 3 story, 108 x 197 ft., concrete, brick, 130 Western Parkway Court. $350,000.

N. Y., Firthcliffe—YARN MILL—Lockwood, Greene & Co., archts., 1 Pershing Sq., New York, soon let general contract 4 story, basement, 55 x 160 ft., brick, steel, rein.-con., plain found., for Firth Carpet Co. $100,000.

N. Y., New York—FACTORY and SHOWROOM—Vestrymen of Trinity Church, 72 Wall St., plans by V. Mayper, 15 East 40th St., 12 story, 130 x 200 ft., brick, steel addition, 160 Varick St. $500,000.

N. Y., New York—MANUFACTURING and STORE—Eighth Ave. Building Co., Inc., 1133 Bway., L. Kovner, pres., plans by Gronenberg & Leuchtag, 1385 Bway., brick, steel, 709-8th Ave. $100,000.

N. Y., New York—SHOP and GARAGE—Consolidated Gas Co., 130 East 15th St., 1 story, 28 x 138 ft., brick, timber, 400 East 22nd St. $40,000. Private plans.

N. J., Newark—WAREHOUSE—New Jersey Forwarding Co., R. Saldutte, Madison St., 5 story, basement, brick, steel, plain found., 203-213 Delancy St. $150,000. Engineer and architect not selected.

Md., Baltimore—FACTORY—B. Frank, archt., 517 Charles St., soon lets contract 1 story, 52 x 300 ft., brick, steel, Beason, Clement, Decatur and Lowman Sts., for Union Bros., 37 West Cross St.

N. C., Gastonia—MILL—Belmont Hosiery Mills, R. L. Stone, Jr., pres., new plant, 1,000 doz. pair hose per week capacity.

N. C., Lexington—GAS PLANT, etc.—Lexington-Thomasville Gas Co., N. H. Gellert, pres., large gas plant on northeast side or city; also high pressure main will be laid to Thomasville, $175,000.

Ga., Atlanta—LAUNDRY—Atlanta Laundries, Inc., Glenn Bldg., soon takes bids 3 story basment, rein.-con. laundry. I. Moscowitz, Glenn Bldg., Atlanta, archt.

Fla., Miami—COLD STORAGE PLANT—Clyde Steamship Co., Pier 36, North River, New York sketches (1st unit) cold storage plant, Pier 2, $50,000; installing cold storage facilities on vessels, $100,000.

Alabama—MILLS—Robert & Co., archts., Bona Allen Bldg., Atlanta, Ga., soon lets contract two 15,000 spindle mills both 1 story, basement, brick, rein.-con., one at Albertville and other Guntersville, for American Mfg. Co., Noble & West Sts., Brooklyn, N. Y.

Ky., Louisville—PLANTS—Union Carbon & Carbide Corp., 30 East 42nd St., New York, bids probably in December, oxygen and acetylene plants, brick, steel, Floyd St. and Byrne Ave. $150,000. Private plans.

O., Ashtabula—FACTORY—Aetna Rubber Co., S. T. Campbell, pres. and genl. mgr., 815 East 79th St., Cleveland, three 1 story, brick, steel, buildings, $100,000. Private plans.

O., Cleveland—FACTORY—Erie Dyeing & Processing Co., 2765 East 55th St., plans by A. F. Janowitz, 811 Prospect Ave., 1 story, 67 x 90 ft., brick, steel addition, $40,000.

O., Cleveland—FACTORY and OFFICE—McKinney, Tool & Mfg. Co., E. W. McKinney, pres., Arabella Rd. and Roseland Ave., plans by F. G. Hoefler, 728 B. F. Keith Bldg., 60 x 60 ft. factory, 40 x 40 ft. office, both 1 story, brick, steel additions, Roseland Ave. and Arabella Rd. $40,000.

O., Cleveland—FACTORY—Triplex Screw Co., A. F. Weber, proprietor, 6112 Central Ave., 1 story, brick, steel, 6112 Central Ave. $40,000. Private plans.

O., Cleveland—PACKING PLANT—Hildebrandt Provision Co., C. R. Hildebrandt, pres., 3620 Clark Ave., soon lets contract 2 story, basement, 105 x 127 ft., brick, rein.-con., Clark Ave. $100,000. Anders & Reimers, Erie Bldg., archts.

O., Portsmouth—REPAIR GARAGE—Portsmouth Auto Parts & Wrecking Co., 1121 Findlay St., soon takes bids 1 story, basement, 35 x 76 ft., brick, concrete, 1121 Findlay St. $40,000.

Ind., Ft. Wayne—ROUNDHOUSE, etc.—Wabash R.R. Co., 1765 Railway Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., postponed indefinitely construction rein.-con., brick round house, trainmens service building, 100 ft. turntable. $200,000. Noted Apr. 7, 1927.

Mich., Detroit — BRAKE FACTORY — Midland Steel Products Co., 6660 Mt. Elliott Ave., 1 story, 90 x 300 ft., concrete, brick, steel addition, plain found. $600,000. Private plans.

Wis., Milwaukee — DRY CLEANING PLANT—H. L. Kuehnel, engr., 4625 Woodlawn Court, soon lets contract 2 story, basement, 25 x 140 ft. dry cleaning plant and 1 story, 25 x 25 ft. garage, brick, plain found., Clinton St., for M. Goldberg, 702 Lincoln Ave.

Tex., Dallas—TEXTILE DYE PLANT—J. P. Burrus and A. A. Jackson, Amer. Exch. Bank Bldg., and C. P. Collins, 4720 Gaston St., textile dye plant, Love Field, $900,000.

Okla., Muskogee—PACKING PLANT—Swift & Co., U. S. Yards, Chicago, Ill., sketches poultry packing plant. $100,000. Private plans.

Okla., Okmulgee—OIL REFINERY—Independent Oil & Gas Co., Kennedy Bldg., Tulsa, one cracking still addition. $60,000. Pritchard & Purington, 543 Robinson Bldg., Tulsa, engrs.

Okla., Wewoka—FACTORY—Natl. Safety Mfg. Co., sketches 1 story, 100 x 180 ft., brick, plain found., Cedar St. $100,000. Engineer and architect not selected.

Calif., Emeryville—FACTORY—Western Electric Co., 680 Folsom St., San Francisco, sketches fireproof factory. $500,000.

Calif., Sacramento—PUBLIC MARKET—E. Wahl & E. Pease, 1107 J. St., plans by Coffman-Sahlberg-Stafford Co., Plaza Bldg., 1 and 2 story, 200 x 200 ft., rein.-con., incl. approaches, driveways, Alabama Blvd. $200,000.

Ont., Pembroke — FACTORY — Steel Equipment Co., Ltd., Union Bank Bldg., Sparks St., Ottawa, soon takes bids factory addition. $70,000.

Ont., Pinkerton — FLOUR MILL and POWER PLANT — Thomas Birrell & Son, rebuilding roller flour mills, town electric light and power plant, recently destroyed by fire. $150,000 loss.

Ont., Toronto—FABRICATING SHOP—Dominion Bridge Co., Reford Bldg., 1 story, rein.-con., brick, steel addition, plain found., Sorauren Ave. $150,000. Private plans. Steam heating, sheet metal and skylights.

Ont., Toronto—FACTORY—Service Station Equipment Co. Ltd., 510 King St. E., 1 story, 120 x 340 ft., rein.-con., brick, steel, addition, plain found., Coxwell Ave. $150,000. D. Brouse, 510 King St. E., engr.

Bids Desired

Mass., Boston—AUTO SALES, SERVICE and REPAIR GARAGE—July 14 (extended date), by Packard Motor Co., A. MacAuley, pres. and mgr., East Grand Blvd., Detroit, Mich., 4 story, 115 x 235 ft., rein.-con., steel, limestone addition, plain found., Commonwealth Ave. To exceed $40,000. A. Kahn, Inc., 1000 Marquette Bldg., Detroit, Mich., archts. Noted May 17.

N. Y., New York—FACTORY—G. A. Bagge & Sons, archts., 157 East 44th St., taking bids 2 buildings, for Columbia Metal Box Co., 228 East 144th St. $100,000. Noted Dec. 23, 1926.

N. Y., New York—GARAGE—A. J. Thomas, archt., 2 West 46th St. bids about July 14, garage, 338 East 48th St., for J. P. C. Realty Corp., J. P. Carney, pres., Grand Central Terminal Bldg. $90,000.

N. J., Hackensack — GARAGE — B. S. Newman, archt., 173 Main St., taking bids general contract 2 story, basement, 110 x 125 ft., rein.-con., brick, steel addition, plain found., State St., for Sproat & Dunn, 211 State St. $150,000.

N. J., Jersey City — FACTORY — See "Contracts Awarded."

N. J., Lodi (Ind. br. Hackensack) — FACTORY — J. H. Liebou, archt., 238 Main St., Hackensack, taking bids general contract 1 story, basement, brick, steel addition, plain found., Garibaldi Ave., for Metakloth Co., c/o architect. $40,000.

Miss., Jackson—OVERALL FACTORY—N. and W. Overall Co., Lynchburg, Va., bids after July 12, 4 story, rein.-con., brick factory. $75,000. C. H. Lindsley, Lamar Life Bldg., archt.

Ill., Chicago—PRINTING PLANT—F. Chase, Inc., taking bids 1 story, part basement, 312 x 500 ft., brick, Natchez Ave., for R. O. Law Co., 633 Plymouth Pl. $400,000. Noted May 31.

Tex., Dallas—HOSIERY MILL—Morten-Davis Co., E. W. Morten, Jefferson Hotel, taking bids 1 story, 105 x 156 ft., and 45 x 45 ft., rein.-con., brick, plain found., Maple Ave. $55,000. W. Scott Dunne, 306 Melba Bldg., archt.

Ont., Toronto—PRINTING and ENGRAVING PLANT—M. Brown, archt., Confederation Life Bldg., taking bids 5 story, basement, 40 x 140 ft., rein.-con., brick, plain found., Spadina Ave., for Photo Engravers, Ltd., 249 Spadina Ave. $100,000.

Contracts Awarded

Mass., Chelsea (br. Boston) — ICE PLANT — Ice Utilities Co., c/o Funk & Wilcox, archts., 26 Pemberton Sq., Boston, 1 story, 115 x 145 ft., brick, steel, 3rd St., to Marden & Orlando, 46 Cornhill, Boston. Est. $50,000. Noted June 28.

Mass., Hyde Park (Ind. sta. Boston)—MANUFACTURING — Compressed Steel Shafting Co., 1587 Hyde Park Ave., 1 story, rein.con., brick, addition, plain found., Hyde Park Ave., to Topham & Bates, 1209 Hyde Park Ave.

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Buildings—Industrial (Continued)

Conn., Bridgeport—PUBLISHING PLANT—Post Publishing Co., 140 Middle St., 4 story, 70 x 125 ft., rein.-con., brick publishing plant and office building to E. F. Constr. Co., 94 Wells St. Est. $150,000. Noted June 21.

Conn., Waterbury — FACTORY—Farrell Fdry. & Machine Co., 453 Bank St., 2 story, brick, steel, Bank St., to Immick Co., State St. extension, Meriden. Est. $200,000. Noted June 21.

N. Y., Brooklyn—FACTORY and WAREHOUSE — Decorated Metal Mfg. Co., 196 Degraw St., E. H. Thatcher, in charge, 6 story, rein.-con., to Barney-Ahlers Constr. Corp., 110 West 40th St., New York. Est. $100,000. Noted Feb. 2.

N. Y., Brooklyn — GARAGE and FACTORY — Superior Fire Proof Storage Warehouse, Inc., F. T. Johnson, pres., 8322 5th Ave., 6 story, 40 x 100 ft., brick, steel, to Tucker Constr. Co., 199 William St., New York. $60,000. Noted June 21.

N. J., Elizabeth — FACTORY—American Copper Products Corp., Bayway, general contract 1 story, 105 x 480 ft., brick, steel, plain found., Amboy Ave. and Laural St. to Wigton Abbott Corp., 705 Park Ave., Plainfield. Est. $80,000. Noted June 28.

N. J., Elizabeth—LAUNDRY—Morey La Rue Laundry Co., 16 West Jersey St., laundry, 16 West Jersey St., to Austin Co., 120 Bway., New York. Est. $500,000.

N. J., Jersey City—FACTORY—American Can Co., 120 Bway., New York, 7 story, 96 x 200 ft., brick, rein.-con., plain found., 317 St. Pauls Ave. and Dey St., day labor. $275,000. A. B. Heisser, c/o owner, archt.

N. J., Newark—LABORATORY—United Color & Pigment Co., Evergreen Ave., general contract 1 story, basement, 70 x 120 ft., brick, plain found., McClellan St., to Enstice Bros., 111 Academy St. Est. $40,000.

N. J., Newark—WAREHOUSE—Austin Finance Co., 1220 Jefferson Bldg., Cleveland, O., 2 story, brick, 105 Ave. L, to Austin Co., 120 Bway, New York. Est. $165,000.

N. J., New Brunswick—FACTORY—John Waldron Co., 30 East 42nd St., New York, 1 story, brick, steel, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O. Est. $50,000.

N. J., Paterson—DYE FACTORY—H. H. Brown & Sons, 15 4th Ave., general contract 1 story, 55 x 75 ft., brick, steel, plain found., 4th St. and Railroad Ave., to J. Yorma, 1 Jane St. Est. $40,000.

Pa., Jenkintown — PRINTING SHOP — Times Chronicle, 2 story, basement, 68 x 104 ft., brick, steel, plain found., Johnson St. and West Ave., to R. Randall, Jenkintown. Noted June 28.

Pa., Phila. — SHOPS — Hunter Concrete Products Co., 535 Chestnut St., 1 story, 40 x 200 ft., concrete block, steel, plain found., School Lane and Ridge Ave., to Elliott Bros., 6637 Lansdowne Ave.

Pa., Stoops Ferry (mail Glenwillard)—FOUNDRY—Homestead Valve Mfg. Co., 134 6th Ave., Homestead, altering and constructing 1 story, brick, steel addition, to Martin Constr. Co., Diamond Bank Bldg., Pittsburgh. Est. $40,000.

Pa., Stowe—MILL—C. E. Wunder, archt., 1520 Locust St., Phila., 1 story, basement, 118 x 129 ft., rein.-con., brick, plain found., to Herbert Kurtz, Sanatogo, for Pottstown Hosiery Mill, Pottstown. Noted June 21.

Fla., Tampa—FACTORY—Gulf Fertilizer Co., 706 Franklin St., 1 story, 161 x 306 ft., concrete, brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $165,000.

Ala., Birmingham — PLANT — Crawford Johnson & Co., Inc., 508 South 22nd St., general contract 3 story, rein.-con., 11th St. between 33rd and 34th Aves., to South Ferro Concrete Co., 70 Ellis St. N.E., Atlanta, Ga., $165,000.

Ala., Tuscaloosa — FACTORY — E. Z. Opener Bag Co., group of 1 to 3 story, rein.-con., brick, steel buildings, plain founds., to C. A. D. Bayley & Co., Inc., Citizens and Saving Bank Bldg., Atlanta, Ga. Est. $300,000. Noted April 19.

O., Cleveland—FACTORY—Eaton Bumper & Spring Serv. Co., 6515 Carnegie Ave., 1 story, 42 x 90 ft., brick, steel, 6515 Carnegie Ave., to Dresser Co., The Arcade. Est. $40,000.

O., Cleveland — FACTORY and STORAGE — Vlchek Tool Co., F. J. Vlchek, pres., 3000 East 87th St., 1 story, 30 x 60 ft. factory addition, 1 story 40 x 102 ft. storage building, both brick, steel, 3000 East 87th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $40,000.

O., Cleveland — MACHINE SHOP — Superior Screw & Bolt Mfg. Co., N. F. Jones, pres., 3650 East 93rd St., 1 story, 107 x 150 ft., brick, steel, East 93rd St. and Aetna Rd., to J. L. Hunting Co., 1525 Guarantee Title Bldg. Est. $60,000.

O., Kent — FACTORY and BOILER HOUSE—C. G. Kistler, archt., Kent, 26 x 58 ft. factory, 26 x 29 boiler house, both 1 story, brick, steel, to Super-Built Constr. Co., 1836 Euclid Ave., for I. N. Gross Co., M. E. Reed, 1220 West 3rd St., Cleveland. Est. $100,000. Noted June 28.

Mich., Kalamazoo — BOX FACTORY — Kalamazoo Paper Box Co., East Kalamazoo Ave. and Pitcher St, 2 story, 50 x 100 ft., rein.-con., brick, plain found., East Kalamazoo Ave., to O. F. Miller Constr. Co., Pratt Bldg. Est. $50,000.

Mich., Pontiac—FACTORY—Fisher Body Corp., General Motors Bldg., Detroit, 1 story, 400 x 460 ft., concrete, brick, steel, plain found., to W. E. Wood Co., 1805 Ford Bldg., Detroit. Est. $2,000,000.

Ill., Kewanee — BOILER FACTORY — Kewanee Boiler Corp., West 4th St., 1 story, 80 x 279 ft. addition, to Worden-Allen Co., 208 South La Salle St., Chicago, $200,000.

Wis., Milwaukee—FACTORY—Heil Co., 26th and Montana Aves., 1 story, 74 x 302 ft., brick, steel addition, plain found., Montana Ave., to Klug & Smith Co., 69 East Wisconsin Ave.

Ia., Waterloo—FACTORY—Hohn Deree Tractor Co., 6 story, 100 x 260 ft. machine shop, to J. G. Miller & Sons Constr. Co., Waterloo; 3 foundry and cleaning plants, to J. Olesen & Sons Constr. Co., Waterloo; new power and storage plants, to J. H. Hunzinger Co., Davenport. Noted June 7.

Mo., St. Louis—REPAIR SHOP—See "Railways under Missouri."

Calif., Emeryville — LABORATORY — Shell Oil Co., 200 Bush St., San Francisco, 3 story, rein.-con., Santa Fe and Horton Sts., to G. Wagner, 181 South Park St., San Francisco, $100,000.

Calif., San Francisco — GARAGE — Yellow Cab Co., 1290 Bush St., 3 story, basement, rein.-con., to Cahill Bros., 206 Sansome St., $32,500. Noted June 28.

Calif., San Pedro—WAREHOUSE—Los Angeles Compress & Warehouse Co., Cotton Exch. Bldg., 1 story, 220 x 750 ft., 13 ft., high, rein.-con., Berth 56, to W. P. Neil Co., Inc., 4814 Loma Vista St., $150,000.

Ont., Hamilton—DYE HOUSE—Zimmerknit Mills Ltd., 2 story 55 x 137 ft., rein.-con., steel, Dundurn St., to Frid Constr. 200 Clyde Blk. Est. $65,000. Noted June 7.

Ont., Kitchener—NEWSPAPER PLANT—Kitchener News Record Co., W. J. Motz, mgr., 49 King St. W., 2 story, basement, 50 x 135 ft., brick, to O. Wiles, Bridgeport. Est. $75,000. Noted May 10.

Ont., Toronto—RUG CLEANING PLANT—Babayans Ltd., 34 King St. E., general contract 3 story, basement, 61 x 100 ft., rein.-con., brick, steel, plain found., Duke and George Sts., to E. E. Woodley, 183 Avenue Rd. Est. $75,000.

Buildings—Educational, Religious

Proposed Work

Mass., Auburn—SCHOOLS—F. H. Allen, chn. Bd. Selectmen, sketches by Peare & Dorman, 6 Beacon St., Boston, two brick, stone, Elm Hill and Auburn Center Dists. $150,000. Noted May 31.

Mass., Milton (br. Boston)—SCHOOL—Town, H. F. Turner, supt. schools, new sketches by Shepard & Stearns, 65 Franklin St., Boston, 3 story, basement, brick, limestone, concrete found., Edgehill Rd., East Milton Sect. $250,000. Noted Apr. 26.

Mass., Woburn—SCHOOL—City, T. H. Duffy, mayor, new sketches Junior High School, 2 or 3 story, basement, brick. $650,000. Engineer and architect not selected. Noted Dec. 15.

R. I., Woonsocket—HOME—St. Vincent DePaul's Society, c/o J. F. Hogan, Grosvenor Bldg., Providence, raising $150,000 or more funds, old folks home.

N. Y., Brooklyn—COLLEGE—Long Island University, c/o R. Jones, pres., 66 Court St., soon lets contract college, Pearl and Tillary Sts. $325,000. F. H. Quinby, 110 William St., New York, archt. Noted June 14.

N. Y., Brooklyn—COLLEGE—Brooklyn College Pharmacy, 265 Nostrand Ave., H. B. Smith, chn. building com., sketches by Tooker & Marsh, 101 Park Ave., New York, 4 story, brick, 598 Lafayette St. $600,000.

N. Y., Franklin — HIGH and GRADE SCHOOLS — J. B. Warmer, pres. Union Free School Dist. Bd. Educ., soon takes bids additions to high and grade schools. A. K. Moseley, 351 River St., Troy, archt.

N. Y., Highland Falls — SCHOOL — Bd. Educ., C. Pan, pres., plans by Tooker & Marsh, 101 Park Ave., New York, 2½ story, brick school. $225,000.

N. Y., Industry—SCHOOL—F. R. Utter, supt. Standards & Purchase, Albany, soon takes bids state school, for Dpt. of Charities. $200,000. N. R. Sturgis, 91 State St., Albany, archt.

N. Y., Iroquois—SCHOOL—F. R. Utter, supt. Standards & Purchase, Albany, soon takes bids Thomas Indian School, for Dpt. Charities. $200,000. La Vaute & Mulranen, Herald Bldg., Syracuse, archts.

N. Y., Newark—SCHOOL—State Educ. Comn., Education Bldg., Albany, bids latter part July, State School. $1,110,000. Tooker & Marsh, 101 Park Ave., New York, archt. Noted June 7.

N. Y., New York—HOME—Samaritan Home for Aged, H. Davis, pres., 414 West 22nd St., bids in September general contract 8 story, 30 x 90 ft., brick, steel, 440 East 88th St. $175,000. J. F. Jackson, 137 East 45th St.

N. Y., New York — MUSEUM — Amer. Museum of Natural History, H. T. Osborn, pres., bids in January or February, 3 story preparation and storage of specimens building $500,000, 2 story Australian building $1,000,000, 4 story lecture hall and amphitheater $3,000,000, all brick, 77th St. and Columbus Ave. Trowbridge & Livingston, 527 5th Ave., archts. Noted Mar. 29.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., plans by W. C. Martin, Flatbush Extension, Brooklyn, 4 story, 91 x 179 ft., brick, 275 Northern Ave. $780,000.

N. Y., Ossining—HIGH SCHOOL—Union Free School Dist. 1, Ossining, bids in October 2 story, brick, 26 South Highland Ave. $750,000. J. G. Rogers, 156 East 46th St., New York, archt. Noted May 31.

N. Y., Sidney — SCHOOL — Bd. Educ., Union Free School Dist. 1, H. Brody, pres., plans by P. Rogers, 101 Park Ave., New York, 2 story, brick school. $250,000. H. R. Howland, 101 Park Ave., New York, engr. Noted Mar. 29.

N. Y., Syracuse — SCHOOL — Commissioner Mental Hygiene, Dpt. Mental Hygiene, Albany, soon takes bids Syracuse State School, Fairmont. $500,000. Randall & Vedder, S. A. & K. Bldg., archts.

N. Y., Ticonderoga—SCHOOL—Bd. Educ. Union Free School Dist. 5, W. W. Jeffers, pres., bids after July 20, 2 story, brick, Butler and Lake George Aves. $300,000. Tooker & Marsh, 101 Park Ave., New York, archts. Noted June 7.

N. J., Cliffside Park (mail Cliffside)—CHURCH—C. C. Wendehack, archt., 101 Park Ave., New York, soon lets contract 2 story, basement, tower, irregular sized, brick, stone, steel, plain found., Palesach Ave., for Trinity Episcopal Church, R. A. Carleton, chn. building comn., 784 River Rd., Edgewater. $150,000. Noted May 10.

N. J., Weehawken—NURSES HOME and TRAINING SCHOOL—North Hudson Hospital, Park Ave., plans by P. A. Vivarttas, 110-48th St., Union City, 5 story, basement, brick, steel, plain found., Columbia Terrace. $150,000.

Pa., Washington — HIGH SCHOOL — School Bd. soon takes bids Senior and Junior High School addition, incl. gymnasium, swimming pool, rein.-con. $605,000. E. B. Lee, archt. and W. G. Wylie, engr., both Washington. Noted June 21.

N. C., Statesville—HIGH SCHOOL—City plans by M. L. Hampton, Lenoir, (1st unit) high school. $300,000.

Ala., Birmingham—HIGH SCHOOLS—Bd. Educ. plans by Warren, Knight & Davis Empire Bldg., West End High School, $500,000; South Side High School, $750,000, both rein.-con., brick, stone, plain founds.

Ga., Atlanta—TEMPLE—Hebrew Benevolent Congregation plans by Hentz, Adler & Schultze, Candler Bldg., temple, Peachtree St.

O., Cleveland — ACADEMY — St. Augustines Academy, 14808 Lave Ave., soon lets contract 2 story, basement, 60 x 128 ft., brick, steel, concrete, 14808 Lake Ave. $150,000. W. Koehl, 1720 Euclid Ave., archt.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway., Ave., plans by G. D. Mason & Co., 800 Standard Savings & Loan Bldg., Griswold and Jefferson Aves., 2 story, basement, 14 room, rein.-con., brick, steel, plain found., Gratiot Park. $175,000.

Ill., Bunker Hill — HIGH SCHOOL — Meissner High School, c/o A. H. Wise, secy., soon lets contract 2 story, basement, 110 x 132 ft., rein.-con., brick, terra cotta high school. Klipstein & Rathman, 316 North 8th St., St. Louis, Mo., archts.

Ill., Chicago — NURSES HOME — A. E. Robinson, archt., City Hall, soon takes new bids on revised plans 5 story, basement, 95 x 200 ft. nurses home, 31st St. and California Ave., for City. Former bids rejected. $450,000. Noted Mar. 8.

Wis., Green Bay — CHURCH and SCHOOL—Union Congregational Church, E. T. Strambel, chn. building com., 711

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Buildings—Educational, Religious (Cont.)

South Madison St., soon lets contract 1 story, basement, 49 x 104 ft. church, and 42 x 100 ft. school, brick, plain found. C. E. Reynolds, Green Bay, archt. W. H. Lautz, 806 West 79th St., Chicago, Ill., engr.

Neb., Lincoln — CHURCH — Van Buren Magonigle and R. W. McLoughlin, archts., 101 Park Ave., New York, bids latter part November, 1 and 3 story, 100 x 200 ft., brick, stone, steel, 20th and D Sts., for First Plymouth Congregational Church, c/o B. F. Wyland, pastor, 17th and A Sts. $500,000. Noted June 7.

Que., Montreal—MONASTERY—Reverend Fathers of Blessed Sacrament plans by E. Cormier, 2039 Mansfield St., monastery, St. Hubert and Mount Royal Sts. $500,000.

Bids Desired

Me., Bath—HIGH SCHOOL—July 19, by City, Bd. Educ., 2 story, basement, 105 x 155 ft., brick, concrete, stone high school. $200,000. Bunker & Savage, 256 Water St., Augusta, archts. Noted June 7.

N. H., Claremont — HIGH SCHOOL — July 16, by Town, A. B. Kellogg, supt. schools, 3 story, basement, 122 x 187 ft., and 70 x 90 ft., brick, steel, Broad and Summer Sts. $200,000. F. I. Cooper, 172 Fremont St., Boston, Mass., archts. Noted July 5.

N. H., Durham—CHEMISTRY—July 14, by New Hampshire State College, 4 story, 58 x 154 ft., brick, steel chemistry building. $150,000. E. T. Huddleston, Durham, archt. Noted Apr. 5.

Mass., Roxbury (sta. Boston)—ADMINISTRATION—July 17, by Densmore, LeClear & Robbins, archts., Park Sq. Bldg., Boston, 3 story, basement, 65 x 135 ft., brick, stone, plain found., 360 Fenway, for Simmons College, H. La Favour, 300 Fenway. $150,000. Noted Mar. 1.

N. Y., Blue Point—SCHOOL—Blue Point School Dist., c/o H. LeCluse, bids about July 15, 2 story, brick school. $175,000. W. G. Potter, 22 East 17th St., New York, archt. Noted May 31.

N. Y., Malone—SCHOOL—July 16, by W. L. Allen, pres. Bd. Educ., for Franklin Academy, brick, steel, concrete. $500,000. Fuller & Robinson Co., 95 State St., Albany, archts. Noted May 31.

N. Y., New York—SCHOOL—July 26, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 82, West 176th St., from Macombs Rd. to Harrison Ave., for Bd. Educ., 500 Park Ave. Noted June 28.

N. Y., New York—SCHOOL—July 26, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 94, 4 story, 178 x 182 ft., brick, Kings College Pl. and Gun Hill Rd., for Bd. Educ., 500 Park Ave. Noted May 24.

N. J., Nutley (br. Newark)—SCHOOL—July 17, by Bd. Educ., 2 story, basement, irregular sized, brick, steel addition, plain found., incl. auditorium and gymnasium, Harrison St. $350,000. Guilbert & Bete e, 20 Branford St., Newark, archts. Noted June 14.

N. J., Oradell — HIGH SCHOOL — Bd. Educ., Kinderkamack Rd., bids about July 30, Junior High School, 3 story, basement, brick, steel, plain found., Prospect St., between Church and Center Sts. $325,000. Coffin & Coffin, archts, 522 5th Ave., New York.

N. J., Princeton—SCHOOL—Princeton Junior School for Boys, bids about Aug. 15, 2 story, basement, brick, steel, plain found. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts. Noted May 17.

N. J., Roselle (Ind. br. Elizabeth)—HIGH SCHOOL—July 20, by Bd. Educ., Chestnut St., 2 story, basement, 195 x 208 ft., brick, steel, plain found., 6th Ave. and Chestnut St. $250,000. F. A. Elsasser, Falls Bldg., Morris Ave., Union, archt. Noted July 5.

N. J., Secaucus (Ind. br. Weehawken)—SCHOOL—Bd. Educ., Town Hall, bids about July 25, 2 story, basement, 300 x 550 ft., brick, steel, plain found., on 300 x 550 site, Back Rd. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt.

Pa., Pennhurst—ASSEMBLY—July 16, by H. W. Castor, archt., St. Girard Bldg., Phila., 2 story, mezzanine, basement, 60 x 134 ft., brick, steel, plain found., for Pennhurst State School, J. H. Buchman, Lincoln Bldg. $150,000.

Pa., State College—ENGINEERING—July 24, by Pennsylvania State College, 3 story, basement, 60 x 175 ft., and 49 x 68 ft., brick, rein.-con., stone, steel, plain found. C. Z. Klauder, 1429 Walnut St., Phila., archt.

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D. C., Wash.—DORMITORY—July 18, by Dist. Comrs., boys dormitory, National Training School.

O., Columbus—LIBERAL ARTS—July 28, by Bd. Trustees Ohio State University, C. E. Steeb, secy., remodeling and constructing 3 story, basement, 180 x 200 ft., brick, concrete, stone, addition, on campus, $370,000. J. N. Bradford, Ohio State University, archt.

Mich., Detroit—SYNAGOGUE—Kohner & Payne, archts., 404 Kresge Bldg., taking bids 2 story, basement, 95 x 120 ft., brick, steel, stone, plain found., Dexter Blvd., for Congregation B'Nai Moshe, 2907 Fullerton Ave. $150,000. Noted Dec. 29.

Mich., Ludington — CHURCH — July 17, by S. C. Allen, archt., 205 Eddy Bldg., Saginaw, 3 story, basement, 115 x 130 ft., brick, steel, plain found., Harrison St., for Community Congregational Church, c/o architects. $150,000. Noted July 5.

Ill., Chicago—SCHOOLS, etc.—July 19, by Bd. Educ., 650 South Clark St., E. With ail, bus. mgr., 2 new schools one at 62nd St. and Hamlin Ave., other Parker and Long Sts., $500,000 each; Funston School addition, Central Park and Armitage Aves.; electrical work, lighting fixtures, coal and ash conveyor, heating, plumbing and ventilating for other schools. J. C. Christensen, c/o owner, archt.

Ill., La Grange — SCHOOL — J. C. Llewellyn Co., archts., 38 South Dearborn St., Chicago, taking bids 2 story, basement, 60 x 170 ft., brick, stone, for Bd. Educ. $150,000.

Mont., Great Falls—HIGH SCHOOL—July 19, by School Bd. Dist. 1, Cascade Co., 3 story, rein.-con., steel, stone, terra cotta high school. $90,000. Bird & Van Teylinger, Great Falls, archt.

Contracts Awarded

N. H., Concord—SCHOOL—St. Pauls School—S. V. Druty, in charge, dining hall, to J. W. Bishop Co., 101 Park Ave., New York. Noted Dec. 8.

N. H., Salem — CHURCH — St. Josephs Roman Catholic Church, T. C. McLaughlin, pastor, 1 story, basement, brick, stone, plain found., to L. Marion & Son, 104 Martin St., Lowell, Mass. Est. $150,000.

Vt., Brattleboro — SCHOOL and AUDITORIUM—St. Michael's Roman Catholic Church, 2 story, basement, 70 x 160 ft., and 50 x 52 ft., brick, steel, to C. D. Marsh Constr. Co., Woodsville, N. H. Est. exceeds $150,000. Noted June 14.

Mass., Cambridge (br. Boston) — CHURCH, etc.—Immaculate Conception Parish, F. Manning, pastor, 1 and 2 story, basement, irregular sized, brick, stone convent, school and rectory, plain founds., Tannery St., to C. Logue Building Co., 18 Tremont St., Boston. To exceed $150,000.

Mass., North Adams — SCHOOL — St. Francis Church, E. F. Dunphey, pastor, 3 story, basement, 115 x 150 ft., rein.-con., brick, steel, to D. J. Donahue, 39 Forest Park Ave., Springfield, $210,500. Noted June 31.

N. Y., Albany—CHURCH—First Lutheran Church, 9 Lodge St., C. S. Frontz, pastor, 1 story, brick, to E. C. Finke, 115 Woodlawn Ave. Est. $150,000. Noted Nov. 18, 1926.

N. Y., Albany—LAW SCHOOL—Fuller & Robinson, archts., 95 State St., brick, steel, concrete, to J. J. Finn & Son, New Scotland Ave., for Albany Law School. Est. $500,000. Noted Feb. 9.

N. Y., Albany—MONASTERY—Church of Emaculate Conception, 2 story, attic, 200 x 290 ft., brick, concrete, steel, stone cloister monastery, to J. P. Sewell, 372 Hudson Ave. Est. $300,000.

N. Y., New York—COMMUNITY—Natl. Council of Jewish Women, 2109 Bway., E. Joseph, pres., 3 story, community building, to Wharton Green Co., 24 West 40th St. Est. $150,000. Noted May 24.

N. Y., Rego Park—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 139, to L. J. Rice, College Point, $311,800; heating, to J. H. McCann, 89 Newtown Rd., $52,800. Noted June 14.

N. J., Irvington (br. Newark)—SCHOOL—Bd. Educ., 1253 Clinton Ave., general contract 2 story, basement, brick, steel, plain found., Florence Ave., to J. J. Polewka Co., 558 Grove St., $219,000; heating to J. H. Nelles Co., 835 Springfield Ave., Newark, $38,300. Noted June 21.

N. J., South Orange — SCHOOL — Bd. Educ., South Orange and Maplewood School Dist., Parker Ave., Maplewood, general contract 2 story, basement, brick, steel, Wyoming Ave., to L. M. Steele Co., Concourse Bldg., $209,541. Noted June 14.

Pa., Berwyn — HIGH SCHOOL — Joint School Bds. Easttown and Treddyfrin Twps., general contract 2 story, basement, 96 x 125 ft., brick, rein.-con. addition, plain found., to R. R. Gove, 1712 Ludlow St., Phila., $109,339. Noted June 7.

D. C., Wash. — SCHOOL — Milburn & Heister, archts., Hill Bldg., general contract school for Shrine of Blessed Sacrament, to J. A. Richards, 311 New Jersey Ave. N. W. electrical work, to E. C. Grant, 1009 19th St. N. W. Noted July 5.

Ill., Chicago — HIGH SCHOOL — Bd. Educ., 650 South Clark St., general contract Austin Senior High School, 3 story, Pine and West End Aves., to Great Lakes Constr. Co., 306 South Wabash Ave., $1,298,725; carpentry, to O. W. Rosenthal-Cornell Co., 228 North La Salle St., $275,000; lath and plaster, to Lennox-Haddeyman Co., 208 South La Salle St., $199,[illegible]; painting, to A. Ladegaard, 2921 West Diversey Ave., $57,985; marble, to Flavin Marble Co., 3701 South St. Louis Ave., $113,514; plumbing, to J. J. Calnan Co., 440 South Dearborn St. Est. $2,000,000.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., general contract School 690, 105th and Morgan Sts., to A. and E. Anderson Co., 228 North La Salle St., $321,400; School 692, Newland and Cortland Sts., to Simpson Constr. Co., 1113 South Hermitage Ave., $318,900.

Ill., Lake Forest—SCHOOL and CHURCH—Ladies of Sacred Heart, Lake Forest, masonry and carpentry contract 3 story 135 x 151 ft., brick, 6230-56 Sheridan Rd., to Noonan Constr. Co., 176 West Adams St. Est. $360,000.

Wis., Milwaukee — SCHOOL — Directors Bd. Educ., F. M. Harbach, secy., excavation, concrete, masonry contracts for Vieau School, 3 story, basement, 65 x 160 ft., Greenbush Ave., to S. Czaplewski, 878 2nd Ave. $120,000; heating, to Wenzel & Henoch, 498 27th St. $27,393. Noted May 17.

Federal Government Work

Proposed Work

Conn., Norwalk—DREDGING—U. S. Engineer Office, Providence, R. I., dredging in Norwalk Harbor.

N. Y., New York — DREDGING and ROCK REMOVAL — U. S. Engineer Office, Army Bldg., Whitehall St., dredging and rock removal in Hudson River.

Del., Wilmington — DREDGING — U. S. Engineer Office, dredging in Murderkill River.

Maryland — DREDGING — U. S. Engineer Office, Baltimore, dredging in Crisfield and Cambridge Harbors.

North Carolina—DREDGING—U. S. Engineer Office, Wilmington, Del., dredging in Neuse and Trent Rivers; in Shallotte River; in Sects. 1 and 2, interacoastal waterway from Beaufort to Cape Fear.

Ky., Louisville — MACHINERY — U. S. Engineer Office machinery and piping for Dam 51, Ohio River.

Mich., Detroit—BETTERMENTS—Treas. Dpt. at office Supervising Archt., Wash., D. C., rejected bids betterments to U. S. Post Office and mechanical equipment. Noted May 3.

Wisconsin and **Minnesota** — DREDGING —U. S. Engineer Office, St. Paul, Minn., dredging in St. Croix River.

Wis., Milwaukee — DREDGING — U. S. Engineer Office, Milwaukee, dredging entrance, and part of turning basin at Sheboygan Harbor.

Missouri and Nebraska — LIGHTING SYSTEM—Dpt. Commerce, Wash., D. C., soon takes bids lighting system for airlines between St. Louis and Kansas City, Mo., and Omaha, Neb.

Mo., Kansas City — CLUMP DIKES — U. S. Engineer Office, 3,400 lin.ft. 3 row pile clump dikes in St. Charles Reach and 6,500 lin.ft. current retards in St. Auberts Bend.

Texas — DREDGING — U. S. Engineer Office, Galveston, redredging Sect. 2 channel between Aransas Pass and Corpus Christi.

Tex., Galveston — ELECTRIC PLANT, etc. — U. S. Engineer Office purchasing automatic electric plant and electric refrigerating for Intracoastal Canal Quarterboat.

California—LEVEE WORK—U. S. Engineer Office, San Francisco, levee work in 26 ft. channel project in San Joaquin River and Stockton Channel.

Calif., San Diego—ENTRANCE GATEWAY—Spec. 5598—Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete gate posts, coping wall, wrought steel fence, gates and lighting fixtures at Naval Operating Base (Hospital).

Federal Government Works (Continued)

Ont., Ottawa—LEGATION BUILDING—Treas. Dpt., Wash., D. C., plans by C. Gilbert, 244 Madison Ave., New York, 5 story, basement, 72 x 100 ft., rein.-con., brick, steel, stone, plain found., Wellington St. $250,000.

Cuba, Guantanamo—MARINE RAILWAY—Spec. 5587—Bureau Yards & Docks, Navy Dpt., Wash., D. C., reconstructing marine railway at Naval Station, Guantanamo Bay.

Cuba, Guantamano — POWER PLANT EQUIPMENT—Spec. 5356—Bureau Yards & Docks, Navy Dpt., Wash., D. C., rejected bids June 6, power plant equipment at Naval Station, Guantamano Bay. Noted June 21.

Bids Desired

N. H., Portsmouth—AIR COMPRESSOR—Spec. 5619—July 25, at office Bureau Yards & Docks, Navy Dept., Wash., D. C., air compressor at Navy Yard. L. E. Gregory, chf. of Bureau; adv. E. N.-R. July 12.

New York—DREDGING, etc.—Aug. 10, at U. S. Engineers Office, Army Bldg., 39 Whitehall St., New York City, dredging in Great South Bay. (Patchogue River), Long Island; adv. E. N.-R. July 12.

N. Y., Northport—INCINERATOR—July 17, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., garbage and refuse incinerator at U. S. Veterans' Hospital.

N. J., Ft. Monmouth — SEWAGE DISPOSAL TANK — July 16, by Constructing Quartermaster, sewage disposal tank.

N. J., New Brunswick—REMODELING—July 30, by Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office; adv. E. N.-R. July 12.

Pa., Sharpsburg—ELEVATOR MACHINE—July 24, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., elevator machine in infirmary building U. S. Veterans' Hospital, Aspinwall.

D. C., Wash.—DORMITORY—Dpt. Interior bids about Sept. 15, general contract womens dormitory Howard University. $180,000. A. I. Cassell, Howard University, archt. Noted May 24.

Va., Hampton Roads—STOREHOUSE—Spec. 5623—July 18, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., storehouse at Naval Operating Base. Noted July 5.

S. C., Charleston—DREDGING—Aug. 8, by U. S. Engineer Office, dredging approximately 500,000 cu.yd. Cooper River and Town Creek, Charleston Harbor; adv. E. N.-R. July 12. Noted June 28.

Ala., Montgomery—DREDGING, etc.—Aug. 10, at U. S. Engineers Office, dredging, building sand dikes in Chattahoochee River; adv. E. N.-R. July 12.

Miss., Greenwood—REMODELING, etc.—Aug. 10, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling, enlarging post office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. July 12.

Michigan—DREDGING—Aug. 6, by U. S. Engineer Office, Detroit, dredging 834,500 cu.yd. to widen Course 7, Middle Neebish Channel, St. Marys River; adv. E. N.-R. July 12.

Kan., Newton—REMODELING—Aug. 3, at office Supervising Architect, Treas. Dept., remodeling U. S. Post Office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. July 12.

Okla., Ft. Sill—OFFICERS QUARTERS—July 27, at office Constructing Quartermaster Field Artillery School, War Dept., 7 company officers quarters; adv. E. N.-R. July 12.

Idaho, Boise—ELEVATOR—July 31, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., one electric passenger elevator in Building 27, at U. S. Veterans' Hospital.

Arizona—ROAD—July 19, by Dpt. Interior, Natl. Park Serv., San Francisco, Calif., paving Grand Canyon Natl. Park Highway System.

Wash., Ellensburg—EARTHWORK, etc.—Aug. 7, at office Bureau Reclamation, earthwork, canal lining, tunnel, structures, South Branch Canal, Kittitas Division, Yakima Project. P. W. Dent, acting comr.; adv. E. N.-R. July 12.

California—ROAD—July 24, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 451 Market St., San Francisco, grading, graveling 11.85 mi. San Marcos Extension Project, Santa Barbara Co.

Calif., Sawtelle—MESS HALL—July 31, by Colonel Hadley, Soldiers Home, 1 story, 60 x 200 ft. with two 2 story, 70 x 200 ft. end wings, at Soldiers Home. Noted July 12.

Bids Received

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, July 5, dredging, rock removal in Hudson River, 3.5 mi. south of here, from G. H. Breyman & Bros., 17 Battery Pl., New York (1) $0.33 (2) $3 (3) $3.33. Noted June 7.

Pa., Carlisle — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., July 3, remodeling U. S. Post Office, from Agostini Bros., Norfolk, Va., $20,585. Noted June 21.

Md., Fort Leonard Wood—BARRACK—Constructing Quartermaster, June 26, barrack building, from Nichols & Lindemann, Municipal Terminal, Norfolk, Va., $282,600 (280 days). Noted May 31.

Va., Fredericksburg — REMODELING and ENLARGING — U. S. Engineer Office, June 28, remodeling, enlarging U. S. Post Office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $17,486. Noted May 31.

La., Alexandria — HOSPITAL — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., building utilities at U. S. Veterans' Hospital, construction, from Virginia Eng. Co., Newport News, Va., $879,000; plumbing, from D. W. Chapman, Bond Bldg., Wash., D. C.; $99,506; heating, from Redmon Heating Co., 146 North 4th St., Louisville, Ky., $79,000; electric, from R. A. Phelps, Beloit, Wis., $78,500; elevators, from Otis Elevator Co., 810 18th St. N. W., Wash., D. C., $18,467; refrigerating, ice making equipment, from Pyles Refrigerating Co., Baltimore, Md., $20,000. Noted May 31.

Ill., Galena—BOILER HOUSE—Treas. Dpt., at office Supervising Archt., Wash., D. C.; July 5, boiler house at U. S. Post Office, from Continental Constr. Co., Ft. Dodge, Ia., $5,626. Noted June 21.

Tex., Fort Sam Houston (sta. San Antonio)—REFRIGERATING MACHINERY—A. W. Parker, Quartermaster Corp., refrigerating machinery for 35 ton capacity ice plant, from York Mchy. Co., York, Pa., $12,210. Noted July 5.

Calif., San Rafael—DREDGING—U. S. Engineer Office, Custom House, San Francisco, June 26, dredging 173,300 cu.yd. in San Rafael Creek, from Dutton Dredge Co., Mills Bldg., San Francisco, at $0.16 per cu.yd. Noted June 14.

Contracts Awarded

Me., Portland — REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling, repairing at U. S. Marine Hospital, to Boston Supply Co., 320 Congress St., $3,850. Noted June 28.

N. Y., Rosebank (sta. Staten Island)—CHEMICAL STORAGE BUILDING — Treas. Dpt. at office Supervising Archt., Wash., D. C., chemical storage building at U. S. Quarantine Station, to M. Barash, 60 Bergen St., Brooklyn, $5,300 (90 days). Noted July 5.

Pa., Bradford — REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to Smythe & Co., 1415 F St. N. W., Wash., D. C., $19,937 (150 days). Noted June 28.

Pa., Marcus — RIVER BULKHEAD — Treas. Dpt. at office Supervising Archt., Wash., D. C., rehabilitation river bulkhead at U. S. Quarantine Station, to S. D. Collins, Port Penn, Del., $11,911. Noted June 28.

Pa., Sharpsburg—APARTMENT, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., apartment house and officers duplex quarters building, at U. S. Veterans' Hospital, Aspinwall to W. P. Thurston Co., Richmond Trust Bldg., Richmond, Va., $65,000. Noted July 5.

Md., Fort Leonard Wood—WATER SYSTEM—U. S. Engineer Office, water distribution system, to W. C. Spratt, Fredericksburg, Va., $27,700.

S. C., Parris Island—DEAERATING APPARATUS—Spec. 5607—Bureau Yards & Docks, Navy Dpt., Wash., D. C., continuous blow-off equipment and deaerating heater, to M. H. Pagenhardt, 2130 Locust St., Phila., Pa., $15,786 (120 days). Noted June 14.

Fla., Jupiter—QUARTERS—Spec. 5616—Bureau Yards & Docks, Navy Dpt., Wash., D. C., double quarters at Naval Radio Station, to F. B. Earle, 148 Barton Ave., West Palm Beach, $9,500 (180 days). Noted June 14.

Ky., Dawsonsprings—SHOP, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., shop and storage building, at U. S. Veterans' Hospital, Outwood, to Smythe & Co., 1416 F St. N. W., Wash., D. C., $29,779. Noted July 5.

Ky., Louisville — NEEDLE FLATS — U. S. Engineer Office, Box 72, 9 steel needle flats, to Howard Ship Yards & Dock Co., Jeffersonville, Ind., $18,457. Noted May 24.

O., Fairfield — WATERTANK — Constructing Quartermaster, 150,000 gal. steel water tank and trestle, to Pittsburgh Des Moines Steel Co., 429 Penn Ave., Pittsburgh, Pa., $10,700. Noted Mar. 15.

Illinois—EARTHWORK—U. S. Engineer Office, Northern Mississippi River Comn., Courthouse, St. Louis, Mo., dredging in Henderson D. D. 1, to Lacrosse Dredge Co., 405 Plymouth Bldg., Minneapolis, Minn., $149,850. Noted July 5.

Ill., Maywood—FENCE and GATES—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., 14,000 lin.ft. wire fence and gates with concrete anchorage at Edward Hines, Jr. Hospital, to Chain Link Fence Co., 5064 Kimball Ave., Chicago, $14,140. Noted June 21.

Ark., Pine Bluff—REVETMENT—U. S. Engineer Office, Memphis, Tenn., bank revetment work in Arkansas River, to W. P. McGeorge, Pine Bluff, Ark., $15,719.

Okla., Muskogee — ROADS — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., June 12, concrete roads at U. S. Veterans Hospital, to Ellis & Lewis, 507 Surety Bldg., $23,880. Noted May 24.

Wash., Walla Walla—STORE HOUSE—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., storehouse at U. S. Veterans' Hospital, to N. J. McLeod, P. O. Box 94, $21,762. Noted May 31.

Calif., San Diego — DOLPHINS — Spec. 5614—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing dolphins at Naval Operating Base, (Destroyer Base, air station and fuel depot), to Barclay & Schaniel, 2353 Columbia St., San Diego, $55,000. Noted June 28.

Alaska—FLUME, etc.—U. S. Engineer Office, Burke Bldg., Seattle, Wash., 3,300 ft. flume, dikes, cribs, placing 1,000,000 ft. lumber, 25 tons bolts, for Lowell Creek flood Control, to Warrack Constr. Co., McDowell Bldg., Seattle, Wash., for Alaska Railroad Comn. $125,000.

Unclassified

Proposed Work

HEATING PLANT—**Stoughton, Mass.**—Town, F. I. Capen, chn. Bd. Selectmen, central heating plant to heat group school buildings. Engineer not selected.

GOLF COURSE and CLUB HOUSE—**Wilbraham, Mass.**—Stony Hill Golf Club, Stony Hill, J. Dodgue, preliminary plans golf course and club house. To exceed $25,000. C. C. West, 25 Harrison Ave., Springfield, engr.

ELECTRIC CONNECTIONS — **Haverstraw, N. Y.**—Div. Standards & Purchase, Albany, bids in September, electric service connection at West Haverstraw.

STOKER, etc.—**Ossining, N. Y.**—Dpt. Correction, Albany, bids in December, mechanical stoker under boilers, replacing feed water heats, at Sing Sing Prison.

REFRIGERATION, etc. — **Rochester, N. Y.**—Dpt. Mental Hygiene, Albany, bids in December, refrigeration equipment; bids in September, patients, employee and staff accommodations, at Rochester State Hospital.

DOCK—**Passaic, N. J.**—Bd. City Comrs., City Hall, dock along Passaic River. $150,000. Engineer not selected.

HIGH PRESSURE MAINS—**North Carolina**—See "Buildings-Industrial, under Lexington."

ROCK CRUSHING PLANT—**Lithonia, Ga.**—Piedmont Corp., Bona Allen Bldg., Atlanta, and 25 Madison Ave., New York, financing purchase of Rock Chapel mountain, and construction rock crushing plant. Standard-gage railway from Lithonia to quarry site, to McDonald Constr. Co., Auburndale Rd., Lakeland, Fla. Total cost $400,000.

OVERHEAD CROSSING—**Bemis, Tenn.**—Dpt. Hys., Nashville, and Illinois Central R.R. Co., A. F. Blaess, ch. engr., 135 East 11th Pl., Chicago, Ill., concrete overhead crossing over railroad tracks, on State Rd. 5. To exceed $25,000.

LIGHTING SYSTEM—**Bexley** (Columbus P.O.), **O.**—Lighting system, underground cables on Cassingham, Remington, Ardmore, Stanwood and other streets, $60,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

GRAIN ELEVATOR—**Sioux City, Ia.**—Terminal Grain Corp., 360 Grain Exchange Bldg., 500,000 bu. grain elevator addition, concrete. $100,000.

CULVERTS—**Sublett, Kan.**—Haskell Co. culverts on 24 mi. RD-K22, T. Rosenaur, Court House, engr.

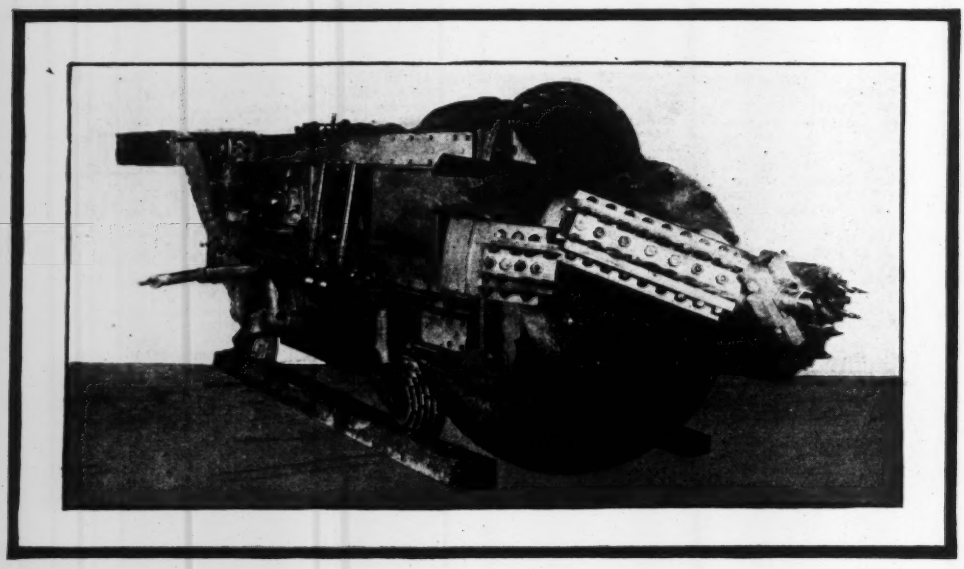
LIGHTING SYSTEM—**St. Louis, Mo.**—City, c/o Bd. P. Serv., soon takes bids electric lighting system, incl. rein.-con. standards, lanterns, glassware, cable, on Easton, Newstead, Chouteau and Oakland Aves., $500,000, also on other streets, $200,000. L. Pritchard, City Hall, dir.

HIGH LINE—**Texas**—Central Power & Light Co., Frost Bldg., San Antonio, sur-

Constr. News page 23

Introducing The "Mole"

Does More Work In An Hour Than Four Men Do In A Day



THE brute strength of the "Mole" and only *two* men do more work in an *hour* than *four* men can accomplish by old methods in an *entire day*.

Eating steadily ahead through clay, shale, sandstone, limestone, the powerful "Mole" drives a smooth and even bore.

Costs slashed to bits!

Blasting, with its attendant dangers, and time lost—mucking—timbering—are eliminated.

As the "Mole" bores in, the surplus dirt and rock falls into buckets, is quickly conveyed to the rear of the machine and is loaded into cars—automatically.

This is the greatest machine ever introduced for sewer and tunnel contractors, mine operators and municipalities.

Investigate the money saving possibilities of the "Mole."

Standard sizes to dig bore of tunnel five, six or seven feet.
Other sizes on special order.

Send for descriptive booklet.

The Winterbottom-Connelly Co.

1406 West 25th Street

CLEVELAND, OHIO

Unclassified (Continued)

says 25 mi. highline from Camp Wood to Leakey. $40,000. Private plans.

TRANSMISSION LINE — **Texas**—Texas Utilities Co., Plainview (subsidiary Community Power & Light Co., Planters Bldg., St. Louis, Mo.), surveys rebuilding 80 mi. transmission line from Plainview to Lockney, constructing high voltage line from Lockney to South Plains and to Silverton, Briscoe Co. $100,000.

TRANSMISSION LINE—**Texas** — West Texas Utilities Co., Abilene, 4,200 ft. 12,000 volt line in Northwestern Crockett Co.; extending 3,700 ft. 440 volt line to Rosser-Pendleton oil field; constructing distribution line starting intersection Ave. A and 14th St. in conjunction with Southern Bell Telephone Co. at Cisco; extending 3 blocks 2,300 volt line on 7th St., Cisco; constructing 1,875 ft. 2,300 volt line at McCamey; extending 3 blocks secondary line 7th St. and 2 blocks in alley, Cisco. $30,000. Private plans.

GAS DISTRIBUTING SYSTEM—**Eagle Pass, Tex.**—See "Contracts Awarded."

LAND DEVELOPMENT—**El Paso, Tex.**—L. H. Orndorff, A. W. Norcop, et al., Two Republics Bldg., forming corporation to acquire Rim Rd. property and plans developing same in conjunction with city plan development. $100,000.

OIL PIPE LINE—**Oklahoma and Kansas**—Independent Oil & Gas Co., Kennedy Bldg., Tulsa, 160 mi. 8 in. oil pipe line from Okmulgee, Okla. to Eureka, Kan. $900,000. Private plans.

AIRPORT—**Idabel, Okla.**—City preliminary plans air port. $25,000. F. H. Taft, Idabel, engr.

HANGARS, etc—**Alameda, Calif.**—Alameda Airport, Inc., 550 Howard St., San Francisco, plans by K. Bier, 550 Howard St., San Francisco, one 70 x 100 ft. and 8 smaller hangars 32 ft. high, incl. administration building, steel. To exceed $150,000. E. G. Burr, 550 Howard St., San Francisco, engr.

LIGHTING SYSTEM—**Berkeley, Calif.**—Ornamental lighting system on Shattuck Ave. between Durant Ave. and Ward St. $27,000.

LIGHTING SYSTEM—**Berkeley, Calif.**—Ornamental lighting system on Ashby Ave. between College and San Pablo Aves. $31,000.

LIGHTING SYSTEM—**Los Banos, Calif.**—Ornamental lighting system on I and 6th Sts. $25,000. V. G. Bryant, city clk.

PIER — **San Francisco, Calif.** — State Harbor Comn., plans Pier 1, 135 x 700 ft., rein.-con. north end of Ferry Building. $1,000,000. F. G. White, Ferry Bldg., engr.

DISTRIBUTING SYSTEM, etc.—**Windsor, Ont.**—Windsor Hydro-Electric Comn., Hydro Bldg., distributing system $111,000, sub-station equipment $80,000, transformers $40,000, meters 40,000, also street lighting extensions. O. M. Perry, c/o owner, engr.

Bids Desired

ELECTRIC TRANSMISSION LINE — **Waltham, Mass.** — July 17, by Dpt. Mental Diseases, State House, Boston, electric transmission line at Metropolitan State Hospital. Former bids rejected. $25,000 or more. E. C. Brown Co., 220 Devonshire St., Boston, engrs. Noted June 14.

UNDERPASS—**Albany, N. Y.**—July 18, by J. M. McMartin, Albany, ch. engr. Delaware & Hudson R.R., 32 Nassau St., New York, underpass for eliminating Delmar-Elsmere grade crossing, Albany Co. $154,700. Noted June 30, 1927.

HEATING—**Bedford Hills, N. Y.**—July 26, by Commissioner Correction, Dpt. Correction, Albany, heating for Cowden and Robertson Cottages, New York State Reformatory for Women; adv. E. N.-R. July 12.

BORINGS — **Long Island City, N. Y.** — July 20, by Bd. Transportation, 49 Lafayette St., New York, borings, Route 108, along Northern Blvd., Bway., Queens Blvd., Kew Gardens Rd., Agreement "H-H."

ASPHALT PLANT—**New York, N. Y.**—July 17, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., extensions, additions to asphalt plant.

COMFORT STATION—**Thiells, N. Y.**—July 20, by C. A. Van Arsdale, constructing, sanitary work for comfort station at Letchworth Park, Wyoming Co.

LAMP POSTS, etc.—**New Jersey**—July 23, by State Hy. Comn., Trenton, 112 concrete lamp posts on Route 1 extension, Sects. 3, 12, 13 and 14 A, Jersey City, Hudson Co. and Newark, Essex Co. A. L. Grover, clk.; adv. E. N.-R. July 12.

BULKHEADS—**Phila., Pa.**—July 16, by Dpt. Wharves, Docks & Ferries, Municipal Pier 4, South Wharves, R. Weglein, dir., Schuylkill River Bulkheads, Schedule C, west side, south of Harkness Point, and Schedule D, west side north of Mingo Creek.

FRUIT AUCTION HOUSE—**Pittsburgh, Pa.**—July 19, by W. D. Wiggins, ch. engr. Pennsylvania R.R. Co., Penn. Sta., structural metal work for fruit auction house at produce terminal, Contr. P 79.

LIGHTING and TRAFFIC CONTROL SYSTEM, etc.—**Cincinnati, O.**—July 24, by Bd. Rapid Transit Comrs., electric lighting, traffic control system, incl. 218 single unit standards equipped with 4,000 lumen lamps, 23 traffic signal standards on Central Parkway from Brighton to Ludlow Aves., $58,000; 1,350 lin.ft. cut stone railings around ventilator openings, 11,500 lin.ft., railings around retaining walls and bridges, $97,500, 1,350 lin.ft. artificial stone railings around ventilator openings, 11,500 ft. railings around retaining walls and bridges $65,000, all on Central Parkway. F. L. Raschig, City Hall, engr.

STADIUM and SPORTS PALACE — **Chicago, Ill.** — J. W. Snyder & Co., 307 North Michigan Ave., general contractors taking sub-bids 266 x 300 ft., brick, steel stadium and sports palace, 115 ft. high, Warren Ave., Lincoln and Madison Sts., for J. J. Harmon, 1701 West Van Buren St. Est. $4,786,000. Noted Mar. 31, 1927.

GRAIN ELEVATOR—**Omaha, Neb.**—A. R. Kinney, 1513 Sherman Ave., taking bids 45 x 135 ft. grain elevator, 125 ft. high, rein.-con., 262 bu. capacity, Sherman St. $80,000. E. Ahlskog, 6226 Kimbark St., Chicago, Ill., archt.

GAS DISTRIBUTING SYSTEM—**Eagle Pass, Tex.**—See "Contracts Awarded."

GAS DISTRIBUTING SYSTEM, etc.—**San Antonio, Tex.**—Terrell Hills Co., c/o A. Steves, Jr., et al., Elizabeth Rd., taking bids natural gas distributing system, mostly pipe and materials $12,000, street paving $35,000, and sewers in Terrell Hills Sub-Division. Hare & Hare, Huntzinger Bldg., Kansas City, Mo., engrs. Noted May 17.

WHARF—**San Pedro, Calif.**—July 18, by City Harbor Comn., Los Angeles, 40 x 496 ft. wharf with 3 ramps, creosoted wood piling and cedar decking. Noted Apr. 19.

Contracts Awarded

PIER, Etc.—**Boston, Mass.**—Dpt. P. Wks., repairing Commonwealth Pier 5, and altering office, to B. & M. Constr. Co., Statler Bldg., $73,807. Noted July 5.

COKE OVENS—**Everett** (br. Boston), **Mass.**—New England Fuel & Transportation Co., 250 Stuart St., Boston, 2 story, 20 x 130 ft., brick, steel coke ovens, River St., to Heyl & Patterson, Inc., 51 Water St., Pittsburgh, Pa. Est. $40,000. Noted May 24.

LANDING FIELD—**Albany, N. Y.**—Bd. Contr. & Supply, City Hall, grading, lighting addition, Lindbergh Aviation Field, to Airport Constr. Corp., 21 East 40th St., New York, $82,362. Noted May 31.

PLATFORM and SHEDS—**Buffalo, N. Y.**—New York Central R.R., F. B. Freeman, ch. engr., 466 Lexington Ave., platform, sheds, electric conduits, sewers, drainage system, on new passenger terminal station, Curtis St., to John Johnson Constr. Co., 765 Abbott Rd., $700,000.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 116th, 125th, 135th St. stations along and under 8th and St. Nicholas Aves., to Charles Meads & Co., 217 West 14th St., $286,119. Noted June 21.

ATHLETIC FIELD — **Flint, Mich.**—Bd. Educ., Essex St., fence, grading, banking track, grading field, to Travis Bros. 2nd Blvd. and Baltimore Ave., Detroit, $35,000.

GRAIN ELEVATOR—**Council Bluffs, Ia.**—Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, Ill., A. W. Newton, ch. engr., 500,000 bu. grain elevator, rein.-con., 4th St. and 28th Ave., to Burrell Eng. & Constr. Co., 513 West Jackson Blvd., Chicago, Ill. Est. $60,000. This corrects report in June 28 issue.

CULVERTS — **Shakopee, Minn.** — See "Streets and Roads."

GOLF COURSE and SWIMMING POOL —**Normandy, Mo.**—See "Buildings-Commercial."

PIPING, STAIRS, etc.—**St. Louis, Mo.**—Bd. P. Serv., City Hall, piping in boiler room Municipal Service Building, to Bradley Heating Co., 3834 Olive St., $40,888; stairs, walks, to Stupp Bros. Bridge & Iron Co., Webster Rd. and Missouri Pacific R.R., $22,132.

GENERATING UNIT, etc.—**Dalhart, Tex.**—Dalhart Pub. Serv. Co. (operated by West Texas Utilities Co., Abilene), installing 500 hp. electric generating unit, 500 hp. McIntosh-Seymour engine; double spray pond and circulating pumps; 41 x 82½ ft., brick, structure steel building plant. $30,000. Owner builds. Private plans.

GAS DISTRIBUTING SYSTEM — **Eagle Pass Tex.**—L. E. Troxelet al, Lufkin and Eagle Pass, natural gas distributing system, day labor. $75,000. Private plans.

WHARF—**Seattle, Wash.**—Pacific Coast Cement Co., 400-ft. wharf, 75 ft. wide, 330,000 ft. untreated and 50,000 ft. dressed lumber, East Waterway, to serve new cement plant, to McEachern Constr. Co., Colman Bldg., $25,500.

TUNNEL — **Yakima, Wash.** — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

GRAIN ELEVATOR—**Portland, Ore.**—Southern Pacific Ry. Co., G. W. Boschke, ch. engr., San Francisco, Calif., remodeling Portland Flour Mills into 1,100,000 bu. grain elevator, Willamette River, to Gilpin Constr. Co., Worcester Bldg. $100,000.

AUTOMATIC SPRINKLER SYSTEM—**Oakland, Calif.**—City Port Comn., automatic sprinkler system, fire protection and domestic water supply for Grove St. Pier, to Western Automatic Sprinkler Co., Inc., 114 Sansome St., San Francisco, $36,242.

WHARF and CARGO BUILDING—**Richmond, Calif.**—Richmond-Parr Terminal, rein.-con. wharf and cargo building, contract originally awarded to California Constr. Co., 225 Bush St., San Francisco, $534,000, has been re-assigned by that firm to Pan-Pacific Piling & Constr. Co., 2779 Poplar St., Oakland. Noted Apr. 12.

LIGHTING SYSTEM—**San Diego, Calif.**—Ornamental lighting system on 5th Ave., to Walker & Martin, 4215 South Western Ave., Los Angeles, $31,636. Noted June 28.

STORAGE TANKS—**Fort William, Ont.**—Ogilvie Flour Mills Co., 36 Concrete storage tanks, 1,125,000 bu. capacity, to Barnett MacQueen Co., Christine St. Est. $200,000.

Materials

Bids Desired

GASOLINE—**New York**—July 16, by P. Jones, supt. School Supplies, Bd. Educ., Room 100, Park Ave. and 5th St., New York, 8,000 gal. gasoline for motor vehicles, Boros Manhattan, Brooklyn and Queens.

SAND, LUMBER, etc.—**New York, N. Y.**—July 17, by P. J. Dooling, comr. Purchase, Municial Bldg., furnishing, delivering, spreading sand for Dpt. Parks—Richmond; lumber and creosoted wood paving blocks, Dpt. of Correction.

MANHOLE FRAMES, etc. — **Newark, N. J.**—July 16, by Bd. City Comrs., City Hall, manhole frames, covers, c.i. pipe, specials. $5,000. J. W. Costello, city engr.

WATER METERS, etc.—**Maud, Okla.**—Mayor and City Council in market one hundred ¾ in. water meters, boxes. F. Fowler, city clk.

COPPER PIPE—**Oklahoma City, Okla.**—Mayor and City Council in market 15,000 ft. ¾ in. copper pipe. M. Peshek, city clk.

Bids Received

PIPE—**Baltimore, Md.**—Bd. Awards, July 5, rein.-con. pipe, from Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $54,580.

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson, purch. agt., July 2, 7,500 lb. portland cement, from Tews Lime & Cement Co., 32 North Ave., at $1.94 per bbl. Noted June 28.

Contracts Awarded

PORTLAND CEMENT — **Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 2,000 bags portland cement for Bureau Highways, to Hunterspoint Lumber & Supply Co., Anable Ave., $1,300. Noted June 28.

LIME, etc.—**Jersey City, N. J.**—Bd. City Comrs., City Hall, hypochlorite of lime and liquid chlorine for treatment water supply, to Mathieson Alkali Wks., 250 Park Ave., New York, $5,000.

CAST IRON PIPE—**Chicago, Ill.**—City, 1,620 tons 6 and 8 in. c.i. water pipe, f.o.b. cars various city pipe yards to National Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., at $40 per ton.

COMPOUND COLD WATER METERS — **St. Paul, Minn.** — K. L. Fieseler, city purch. agt., 12 compound cold water meters, for Water Dpt., to Badger Meter Co., 30th and Meinecke Aves., Milwaukee, Wis., 3 in. at $112 each, 4 in. $186.

See proposal advertising on page 140

Constr. News page 23a

UNIT PRICES

Summaries of bids gathered by field correspondents or contributed by readers

Road—Ohio

Commissioners of Summit Co., Akron, opened bids Apr. 18, grading, draining and paving 2.5 mi. Sharon-Fairlawn Rd. C. H. No. 83, Sections B and C, 18 ft. wide, waterbound macadam and traffic bound slag. Bidders are: (A) Engineer's Estimate; (B) C. J. Hocker, Findlay, (awarded contract); (C) Costigan-Shroyer Construction Co., Metropolitan Bldg.; (D) H. J. Wright, Kent; (E) H. W. Fox; (F) Gray & Quillan.

	A	B	C	D	E	F
1,600 cu.yd. borrow	$0.60	$0.50	$0.49	$0.54	$0.60	$0.65
8,700 cu.yd. excavation, unclassified	.60	.45	.49	.54	.60	.55
100 cu.yd. excavation, special driveways	.60	.50	.60	.54	.60	.55
200 cu.yd. excavation, special ditches	.75	.60	.65	.75	.75	.60
13,150 lin.ft. finishing shoulders, slopes and ditches (both sides)	.05	.05	.05	.05	.05	.05
600 lin.ft. 4-in. vit. pipe underdrains in place	.10	.08	.10	.10	.10	.15
3,000 lin.ft. 6-in. vit. pipe underdrains in place	.15	.14	.15	.15	.15	.20
200 lin.ft. blind drains in place	.15	.15	.15	.15	.15	.15
200 lin.ft. pipe relaid (10 to 15 in.)	.25	.25	.25	.25	.25	.25
500 lin.ft. pipe laid (furnished by property owners)	.15	.10	.15	.15	.15	.15
776 lin.ft. std. type "D" guard rail in place	.70	.50	.70	.70	.70	.70
12 manhole castings readjusted to grade	10.00	8.00	10.00	5.00	10.00	10.00
25 valve boxes readjusted to grade	2.00	1.50	2.00	1.00	2.00	2.00
9 Fairlawn Hts. stand. inlets in place, complete	45.00	30.00	45.00	37.00	45.00	40.00
1 10-in. vitr. pipe elbow	1.75	1.75	1.75	1.75	1.75	1.75
24 6 x 4-in. vitr. pipe wyes	.50	.50	.50	.50	.50	.50
300 lin.ft. 10-in. vitr. pipe in place	.70	.55	.60	.60	.70	.55
100 lin.ft. 12-in. vitr. pipe in place	.75	.60	.65	.65	.75	.75
30 lin.ft. 12-in. vitr. pipe inlet connections in place	1.00	.80	1.00	1.00	1.00	.85
270 lin.ft. 10-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.35	1.00	1.25	1.35	1.35	1.35
144 lin.ft. 12-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.50	1.25	1.35	1.50	1.50	1.45
72 lin.ft. 15-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.75	1.50	1.70	1.75	1.75	1.65
*3,650 ton No. 46 slag, first course in place	3.10	.....	2.85	2.90	2.70	2.75
*4,351.92 ton No. 46 limestone, first course in place	2.60	2.50	2.60	3.00	.....	.....
2,630 sq.yd. 3-in. W. B. macadam, first base course, in place	.60	.50	.55	.54	.50	.55
2,630 sq.yd. 3-in. W. B. macadam, second base course, in place	.60	.50	.55	.54	.50	.55
2,630 sq.yd. 3-in. bit. macadam, top course, in place	.95	.80	.90	.90	.80	.95
430 cu.yd. excav. structures	2.00	1.50	2.00	1.00	2.00	2.00
100 cu.yd. excav., channel	1.00	.75	1.00	1.80	1.00	.75
80 cu.ft. concrete (1-2-3)	22.00	16.00	22.00	21.00	21.00	22.00
135 cu.yd. concrete (1-2½-4)	18.00	14.00	18.00	17.00	17.00	20.00
8,000 lb. reinforcing steel in place	.06	.05	.05	.06	.06	.06
42 lin.ft. type "G" bridge railing in place	4.00	3.00	4.00	4.00	4.00	4.00
2,040 lin.ft. piling furnished	.35	.30	.35	.30	.35	.35
2,040 lin.ft. piling driven	.55	.45	.55	.55	.55	.55
30 lin.ft. 12-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.50	1.25	1.50	1.50	1.50	1.45
152 lin. ft. 15-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	1.75	1.50	1.70	1.75	1.75	1.65
40 lin.ft. 18-in. corr. iron pipe in place, rein. ends (B_3 or B_4)	2.00	1.75	1.90	2.00	2.00	2.00
100 cu.yd. cinders in place on detours	1.00	1.00	.25	.50	1.00	.25
50 hr. dragging detour roads	1.00	1.00	.50	.50	1.00	.50
50 hr. blading and scraping detour roads	2.50	2.00	.50	1.50	2.50	.50
Premium on state insurance (lump sum)	400.00	180.00	100.00	200.00	100.00	150.00
Maintaining lights, signs and barricades (lump sum)	40.00	25.00	25.00	40.00	40.00	25.00
Totals—Traffic bound slag and macadam pavement	$35,575	.....	$32,416	$32,585	$32,679	$33,479
Totals—Traffic bound limestone and macadam pavement	$35,575	$30,103	$33,329	$35,056	.....	.....

*Alternate bids.

Engineering News-Record, Issue of July 12, 1928.

Price of Cement at Cleveland, 1910-1928

Per Barrel, Net, F.O.B.

	High	Low	Yearly Average		High	Low	Yearly Average
1910	$1.45	$1.45	$1.45	1920	$2.73	$2.32	$2.46
1911	1.45	1.45	1.45	1921	2.73	2.28	2.45
1912	...	...	...	1922	2.46	2.26	2.34
1913	1.36	1.30	1.32	1923	2.46	2.36	2.44
1914	1.35	1.20	1.28	1924	2.41	2.39	2.40
1915	1.69	1.16	1.28	1925	2.39	2.29	2.37
1916	1.69	1.45	1.53	1926	2.29	2.29	2.29
1917	2.04	1.69	1.94	1927	2.29	2.24	2.24
1918	2.92	1.92	2.25	1928 (6 mo.)	2.24	2.24	2.24
1919	2.92	2.22	2.46				

Price of Crushed Stone at Cincinnati, 1917-1928

Per Ton, ¾-in., F.O.B.

	High	Low	Yearly Average		High	Low	Yearly Average
1917	$1.50	$1.00	$1.41	1923	$2.25	$1.65	$1.86
1918	1.75	1.30	1.56	1924	1.90	1.65	1.83
1919	1.50	1.50	1.50	1925	1.90	1.90	1.90
1920	2.15	1.65	1.73	1926	1.90	1.65	1.81
1921	3.32	2.05	2.65	1927	1.65	1.65	1.65
1922	2.08	1.55	1.82	1928 (6 mo.)	1.65	1.65	1.65

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, New York, N. Y., Hegeman & Harris, contrs.; bids in December for News Syndicate Co., $5,500,000.

Railway, Alabama, Engineering Commission plans, $3,800,000.

Apartment, New York, N. Y., Schwarz & Gross, archts., bids in August for Teeson Constr. Corp., $3,000,000.

Apartments, Chicago, Ill., J. Rosenwald, plans, $2,500,000.

Office, garage and store, Chicago, Ill., A. S. Alschuler, Inc., soon let contract, $2,000,000.

Apartment, New York, N. Y., Montenox Corp., bids in August, $2,000,000.

Hotel apartment, St. Louis, Mo., Local Syndicate, c/o W. J. Abbott, sketches, $2,000,000.

Hospital, New York, N. Y., Eighty-Seven St. East End Corp., bids in September or October, $1,750,000.

Club, Toledo, O., Y.M.C.A., plans $1,550,000.

Bank and office, St. Louis, Mo., Continental Life Insurance Co., soon takes bids, total $1,500,000.

High school, Brooklyn, N. Y., Bd. Educ., New York, plans, $1,190,000.

Hotel, Hot Springs, Ark., New York Hotel Co., sketches, $1,000,000.

Abattoir and office, Phila., Pa., West Phil. Stock Yards, plan $1,000,000.

Railway, Texas, Gulf, Colorado and Santa Fe Ry. Co., plans, $1,000,000.

Hotel, Toronto, Ont., Syndicate, c/o N. A. Armstrong & Co., engrs. and archts., sketches, $1,000,000.

Bids Desired

Schools, Chicago, Ill., July 26 by Bd. Educ., totalling $13,020,000.

Medical office and garage, Cleveland, O., July 24, by Cleveland Union Terminal Co., $5,000,000.

Community, New York, N. Y., Racaulmer & Lehlbach, archts., bids about Aug. 1, for Y.M.H.A., $1,300,000.

Bids Received

Waterworks, Springfield, Mass., Bd. Water Comrs., from Winston & Co., Kingston, N. Y., and others totalling $20,880,000.

Public Bond Elections, coming and decided, are listed on Construction News page 33.

Contracts Awarded

Cold storage plant, Tampa, Fla., Tampa Union Terminal Co., to Parklap Constr. Corp. of Florida, St. Petersburg, $3,000,000.

Apartment, New York, N. Y., Northview Investing Corp., to G. Richard Davis est., $2,000,000.

Foundry, Saginaw, Mich., A. Kahn, archt., Detroit, to Everett Winters, Detroit, for Chevrolet Motor Co., est., $2,000,000.

Apartment hotel and art galleries, New York, N. Y., Master Builders, Inc., to Longacre Eng. & Constr. Co., $1,700,000.

Apartment, Chicago, Ill., Holabird & Root, archts., to Johnson Bros., est. $1,500,000.

Bank and office, New York, N. Y., Thirty-Five-Forty-One Broad St. Corp., to G. A. Fuller Co., est., $1,500,000.

Hotel, St. Louis, Mo., Local Syndicate to McKelvey-Carter Constr. Co., est. $1,250,000.

Smelter, Sudbury, Ont., International Nickel Co., New York, to Fraser Brace, Ltd., Montreal, est exceeds $1,000,000.

Apartment, New York, N. Y., Central Park West Corp., separate contracts, $1,000,000.

Office, New York, N. Y., New Amsterdam Casualty Co., to James Stewart & Co., est. $1,000,000.

Auditorium, Moraga, Calif., St. Mary's College, to J. P. Brennan, Berkeley, $1,000,000.

News of the Week

Waterworks

Proposed Work

N. Y., Kingston—Bd. Water Comrs., City Hall, rejected bids June 26, Cooper Lake Aqueduct. Noted June 14.

Kan., Barnes—Soon takes bids watermains. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engr.

Kan., Gypsum—Waterworks. To exceed $15,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engr.

Ark., Lonoke — Soon takes bids water works, incl. 2 wells, pumping equipment, 200,000 gal. tank on tower, 4- to 8-in. mains, sanitary sewers. $125,000. W. Terry Field, Gazette Bldg., Little Rock, engr.

Okla., May — Preliminary plans new waterworks. $17,000. H. Thom, mayor. Engineer not selected.

Okla., Ponca City—Preliminary plans extending 15,000 ft., 6 and 8 in. mains in Country Club Dist. $20,000. H. W. Crawford, Ponca City, engr.

Okla., Sasakwa—Selling $30,000 bonds, complete waterworks, incl. tank on tower. Milliken & Whiteneck, 312 South West Natl. Bank Bldg., Oklahoma City, engrs.

Calif., Oceanside — Election $75,000, 2 m.g. to 3 m.g. reservoir. R. L. Loucks, city engr.

Bids Desired

N. J., Fair Lawn—Aug. 14, by Mayor and Boro Council, Fair Lawn School House 3, water distribution system, wells, pumping station. McClave & McClave, Cliffside, boro engrs.; adv. E. N.-R. July 19.

N. J., Jersey City—July 24, by Bd. City Comrs., City Hall, excavating, backfilling for 24 in. mains in Charlotte Ave. $25,000. C. A. Van Keuren, city engr.

O., Cleveland—July 25, by Bd. Comrs. Cuyahoga Co., 5,599 ft. 8 in. c.i. mains in Porter Rd., (Impvt. 765), to exceed $25,000; 5,200 ft. 6 in. in Bway. (Impvt. 950), to exceed $25,000; 5,000 ft. 8 and 12 in. Wooster Pike, (Impvt. 1550), to exceed $25,000; 6,800 ft. 8 in. c.i. mains Dartmoor Ave., (Impvt. 178). F. Williams, Court House, engr. Noted June 21.

N. C., High Point—July 24, by Mayor and City Council, 27,420 ft., 2 to 24-in. mains, 9,450 ft. 8-in. terra cotta sewers. E. M. Knox, city mgr.; adv. E. N.-R. July 19.

Ind., Anderson—July 23, by Bd. Wks. Eng. Dpt., 2½ m.g. reservoir for water plant. $60,000. Noted June 21.

Ind., Laporte—July 21, by Bd. P. Wks., A. F. Schultz, clk., water purification plant, 4 m.g.p.d., incl. administration building, filter building, aeration, mixing and settling basins, filters, with connections of incoming and outgoing pipe lines. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs. Noted Apr. 19.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., St. Clair Shores—July 24, by B. DeClair, village clk., 105,792 ft. 6- to 12-in. c.i. pipe, Contr. A4; 248 gate valves, Contr. B4; 110 two nozzle compression hyrants, Contr. C4; 15 ton special castings, 120 valve boxes, Contr. D4; 140 well frames and covers, Contr. E4; laying 59,315 ft. 6- and 8-in. c.i. pipe, Contr. F12; 55,833 ft. 6- to 12-in. c.i. pipe, Contr. F13. W. J. Lehner, Ulrich Bank Bldg., Mt. Clemens, engr. Noted June 28.

Ill., Pana—July 23, by City Water Com., raising earthwork and spillway reservoir dam, raising East and West Reservoir Rd. and bridge, and county line road and bridge. Address City Clerk.

Ia., Primghar—July 24, by W. Downing, mayor, 100 g.p.m. triplex or duplex pump, 10 hp. motor, 1,300 ft. 6 in. suction main, pump house addition. W. E. Buell & Co., Sioux City, engrs. Noted June 28.

Neb., Ord—July 26, by N. Wolters, city clk., water purification plant, pumps, pipe. $38,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Tex., Boerne—Aug. 8, by Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, waterworks improvements, incl. 86,000 gal. water tank and tower, steel, 1- to 6-in. c.i. pipe, hydrants, valves, fire hydrants, for city. $30,000. Noted Dec. 8.

Tex., Dallas—Aug. 10, by Mayor and Bd. City Comrs., 115,650 lin.ft. 16- to 36-in. pipe lines, appurtenances; purification plant; pumping equipment at Bachmans Dam; 34 gate valves. M. G. James, city secy.; adv. E. N.-R., July 19.

Tex., San Antonio—See "Materials."

Calif., Oakland—Aug. 17, by A. P. Davis, ch. engr. East Bay Municipal Utility Dist., (1st unit), 21 mi. mains, incl. 111,579 ft. 24- to 44-in. pipe; adv. E. N.-R. July 19.

Bids Received

Mass., Springfield — Bd. Water Comrs., July 9, reservoir dam, Contr. 11, from Winston & Co., 277 Fair St., Kingston, N. Y., $1,437,000, 7,000 ft. outlet tunnel, Contr. 12, at Cobble Mountain, from Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, Mo., $651,000. Noted June 7.

Contracts Awarded

Mass., Boston—Metropolitan Dist. Comn., Boston, 19,000 ft. 30 in. mains in Malden and Revere, to C. & R. Constr. Co., 75 Bradeen St., Roslindale, $193,360. Noted June 14.

N. J., Jersey City — See "Proposed Work."

Md., Baltimore—Bd. Awards, mains in Lake Ave., to M. and J. B. McHugh, 3716 Sequoia Ave., $12,657. Noted June 28.

Tenn., Kingsport—F. L. Cloud, city mgr., to J. B. McCrary Co., Citizens & Southern Bank Bldg., Atlanta, Ga., river pumping station $33,950; pipe from wash water tank to storage tank $34,786; excavating, foundation and wash water tanks $2,905; to V. B. Higgins & Co., Kinney Bldg., Char-

See proposal advertising on page 144

Constr. News page 25

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use

LEADITE

It saves at least 75%

Be sure it is

LEADITE

and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

filter plant, $107,000; to International Filter Co., 333 West 25th Pl., Chicago, Ill., installing filter plant equipment, $15,000; to Pittsburgh-Des Moines Steel Co., 429 Pennsylvania Ave., Pittsburgh, Pa., furnishing storage tank at cemetery and wash water tank at plant, $16,475; to Worthington Pump & Machy. Corp., 105 Cedar St., New York, motors and pumps $7,825; to Buford, Hall & Smith, Red Rock Bldg., Atlanta, Ga., installing pumps, motors, switchboards, cables and power wires, $12,-[illegible]7 to Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., furnishing valves and hydrants, $8,350. Grand total $239,138. Noted June 7.

O., Canton—Stark Co., mains in North Canton Rd., and Edgefield Sewer Dist., known as Projects 11 and 12, to M. B. Gessner, Toledo, $32,944 and $42,143 respectively.

Ill., Winfield—Bd. Local Impvts., 6 and 8 in. c.i. mains, to Allied Contractors, 80 East Jackson Blvd., Chicago, $41,950. Noted June 14.

Nev., Wells—See "Sewers."

Sewers

Proposed Work

Mass., Concord—Metcalf & Eddy, engrs., Statler Bldg., Boston, rejected bids July 5, 4 mi. vitr. sewers, Contr. 2, for Town. Noted June 28.

Mass., Nantucket — Weston & Sampson, engrs., 14 Beacon St., Boston, soon take bids pumping station for sewerage system, for Tower. $185,000. Noted Mar. 15.

N. J., Garfield (br. Passaic)—Bd. Freeholders Bergen Co., Court House, Hackensack, preliminary plans drainage system in Golf Brook, R. P. McClave, Court House, co. engr.

N. J., North Caldwell—Bd. Chosen Freeholders, Hall of Records Bldg., Newark, storm sewer. $35,000. J. Stickel, Hall of Records Bldg., Newark, co. engr.

N. J., Nutley (br. Newark)—Bd. Comrs., Town Hall, storm sewer, bituminous macadam repaving Alcove St., Nutley Ave. $35,000 appropriated. G. R. Hartley, town engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, sanitary sewer in Kingsland Rd. from Passaic Ave. to 3rd River. $30,000. G. R. Hartley, town engr.

N. J., Plainfield—Common Council sewerage system in Green Brook Sect. $200,000 appropriated. A. Vars, City Hall, engr.

N. C., Jamestown—Guilford Co. Sanitarium, J. L. Spruill, supt., connecting its water supply with High Point city mains, new central sewage disposal plant. $20,000.

N. C., Jamestown—See "Waterworks."

Ia., Creston—Preliminary plans 3,100 ft. 15- to 48-in. vitr. brick, concrete sewers. P. K. De Voe, City Hall, engr.

Kan., Topeka—Preliminary plans sanitary sewers in Saywell and Jefferson St. $35,-000. W. E. Baldry, City Hall, engr.

Mo., St. Louis—Soon takes bids rein.-con. lined open flood channel for River des Peres, 140 and 150 ft. bottom width, with sanitary sewers to connect existing sewers with new channel, Sect. H River Des Peres Project. $2,500,000. W. W. Horner, 300 City Hall, St. Louis, engr. Noted June 7.

Tex., Houston — City, O. F. Holcombe, mayor, sewerage system in Yale St.

Tex., La Porte—Sewerage system. $50,-000. Address F. W. Reynolds, mayor.

Okla., Beaver—Preliminary plans new sanitary sewers. $25,000. A. L. Kimball, mayor.

Okla., Blackwell—Preliminary plans extending 4 mi. sewers in Tollivers addition. $30,000. W. R. Ritzhaupt, Blackwell, engr.

Okla., Buffalo—Preliminary plans new sanitary sewers. $25,000. E. E. Kemp, mayor.

Okla., Granite—Sewerage system. $30,-000. C. Riggans, Anadarko, engr.

Okla., Kingfisher—Surveys extending 17,-000 ft. 8in. vitr. clay sewers. $26,000. R. Lindsay, Kingfisher, engr.

Okla., Laverne—Preliminary plans sanitary sewage system, disposal plant. $25,000. G. Morris, mayor. Engineer not selected.

Okla., Maud—Preliminary plans extending sanitary sewers in Villines addition. $30,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—For 16,000 ft. 48 and 60 in. storm sewers in Culbertson addition. $75,000. W. W. Small, City Hall, engr.

Wash., Yakima—Sewage disposal system. $60,000. C. M. Wilson, city engr.

Calif., Los Angeles—Sewerage system for Van Nuys Dist. $500,000 or more. L. O. Turner, City Hall, assistant city engr.

Calif., Los Angeles Los Angeles Co., 4.2 mi. D & W. S. vitr. sewers in Flower and Clark Aves., Impvt. 794-Bellflower Unit 1, $93,767; 6.21 mi. cement sewers in Orchard Ave. and Larch St. Impvt. 767—Lennox Unit 1, $64,247.

Calif., Wheatland—Sewerage system, $25,000. C. C. Kennedy, Call Bldg., San Francisco, engr.

Ont., Hanover—Council, A. Armstrong, chn. com., sewerage system. Engineer not selected.

Ont., Swastika—Extending sewers, waterworks, to McNamara Constr. Co., 53 Yonge St., Toronto, $31,675.

Ont., Riverside—See "Streets and Roads."

Ont., Toronto—For 3 to 4 mi. 8 in. and up vitr. tile sewer in Price-Ashbridge Dist. near Greenwood Ave. $92,140. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Boston—July 26 and 27, by Dpt. P. Wks., sewerage works in Roxbury and West Roxbury. $25,000. J. H. Sullivan, comr.

R. I., Providence—July 23, by Bd. Contr. & Supply, sewerage works in Blackstone Blvd. and Burchard St. $25,000.

N. Y., Brooklyn—July 25, by J. J. Byrne, pres., Brooklyn Boro. Boro Hall sewers in Ave. P, West 12th St., East 49th and East 96th Sts.

N. Y., New York — See "Streets and Roads."

Pa., Edinboro—July 30, by Boro Council, 4,000 ft. 12 in. sewers. A. Skelton, Secy.; adv. E. N.-R. July 19.

D. C., Wash.—July 24, by Dist. Comrs., various sewers.

Ky., Ft. Thomas—Aug. 3, by Bd. Council, sewage disposal plant. J. P. Dietrich, city engr.; adv. E. N.-R. July 19.

O., Cleveland—July 25, by Comrs. Cuyahoga Co., 4,800 ft. 8- to 27-in. vitr. clay sewers in Dartmoor Ave., (Impvt. 128); 3,800 ft. 60 in. concrete sewer in Solon Blvd., (Impvt. 1100). F. Williams, Court House engr.

O., Columbus—July 31, by W. H. Duffy, dir. Service, Olentangy Scioto Intercepting Sewer, Sect. 3, Contr. 13. R. H. Simpson, ch. engr.

Ill., Chicago—Aug. 1, by Bd. Park Comrs., 57th St. and Cottage Grove Ave., sewage pumping equipment in Grant Park. M. E. Connelly, secy.

Ill., Chicago—July 24, at office Bd. Local Impvts., City Hall, water service pipes in West 82nd Pl., West 82nd and Melrose Aves., Indiana, Komensky, Lamont, Watson, Miami, Mason, Marmora, Kirby, Kerrs, Turner, North McVitkers, Nashville, Nottingham, Winchester, Keating, Kilpatrick, Artesian, South Sawyer, Spaulding and Moman Aves. M. J. Faherty, pres.

Ill., Chicago—July 24, by at office Bd. Local Impvts., City Hall, tile sewers with brick manholes, catch basins in East 86th Pl., East 86th and 96th, West 54th and 98th Sts., Avenues C and O, South Kilpatrick, Keating, Kenneth, Kilbourne, Kolmar Aves.; drains in West 70th, 100th, 101st, and 102nd Places, West 69th, 70th, 71st, 99th, 100th, Holbrook, Melrose, Ignatius, Schreiber, North and South Robey Sts., Belmont, Merrell, Clyde, Chappel, Neva, Nixon, Princton, North Melvina, Nashville, Northingham, Harding, Springfield, Avers and Hamlin Aves. M. J. Faherty, pres.

Ia., Neola — July 23, by F. H. Liddell, city clk., 15,964 ft. 8 to 12 in. vitr. clay and 100 ft. 6 in. c.i. pipe, 500 manholes, 1,500 lb. c.i. manhole ring and cover, sewage disposal plant, incl. Imhoff tank, sprinkling filters, sludge bed, pumps, pump house. $30,000. Nixon & Reynolds, 309 Omaha Grain Exch. Bldg., Omaha, Neb., engrs.

Minn., New Ulm—July 27, by City, storm and sanitary sewers. $450,000. F. D. Minium, city engr. Noted June 21.

Mo., Troy—July 30, by City Clerk, sanitary sewerage system, disposal plant. $48,000. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, and McDaniel Bldg., Springfield, engrs. Noted June 28.

Tex., San Antonio—See "Materials."

Calif., Chico—Butte Co. bids about Sept. 9, new sewage disposal plant, incl. Imhoff tanks, sludge beds. $250,000. M. Polk, Chico, engr.

Calif., Wheatland—Bids about Aug. 5, 2 mi. sewerage system. $25,000. C. C. Kennedy, 74 New Montgomery St., San Francisco, engr.

Contracts Awarded

Mass., Boston—Dpt. P. Wks., sewerage works in Centre St., West Roxbury, to A. Cefalo, 19 Cefalo Rd., West Roxbury, $28,-551. Noted June 14.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Ave., extending sewer in Bronx Terminal Market and Waterbury Ave., from Anita Constr. Co., 2975 Marion Ave. $44,-560 and $19,600 respectively, sewer in East 173rd St., from A. Musumeeci & Son, 277 East 146th St. $5,551. Noted June 28.

O., Garfield Heights (br. Cleveland)—To D. Rossi—Marcelotti Co., 11696 Willard Ave., Cleveland, concrete sewers in Granger Rd. $24,558, sewers and water mains in East 119th St. $10,493, sewers in Turney Rd. $15,133. Grand total $50,184.

O., Massillon—Sanitary trunk sewer in West Brookfield, to J. Wittmann, Massillon, $27,217. Est. $30,000.

O., Salem—C. A. Cavanaugh, dir. Pub. Serv., sewage disposal plant, to Freeman & Jones, Inc., 5716 Euclid Ave., Cleveland, $103,183. Noted May 17.

Ind., Connersville—A. B. C. Sewer with laterals, to Conner, Bearly, Jinks, Connersville, $43,532.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Ribbens Bros., 1982 Woodburn St., Whitefish Bay, sewers and watermains in Capitol Dr. $2,504; to Wenzel & Henoch, 498 27th St., Cleveland Ave. $774, 14th St. $4,341, Park Hill Ave., $377, East Holt Ave. $7,549; to Klump & Johnson, St. Francis, East Euclid Ave. $3,484, and 12th Ave. $9,341. Grand total $28,370.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to General Contractors, 86-48th St., sewer in alley between Bway. and Milwaukee St. $5,224; Keefe Ave. $316—to E. H. Russo, 4730 Blue Mound Rd., Cedar St., $68,898—to H. Hohensee, 1282-10th Ave., Center St. $31,718—to Werne Co., 671 Hi-Mount Blvd., Cornell St. $4,230; Fairview Ave. $4,520; Houser Ave. $2,762; 30th Ave. $20,983—to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., Crest Court $18,176—to J. Brogan & Son, 16th St. and North Ave., Vollner Ave. $19,763—to P. & L. Co., 1107 Humboldt Ave., Fiebrantz Ave. $350—to Zimmermann & Zimmermann, 2826 State St., Hawley Rd. $2,914. Grand total $179,854.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Kehrein Bros., 1096-23rd St., sewers, watermains, gas connections Center St. $2,347, Roosevelt Dr. $1,056; to Wenzel & Henoch, 498-27th St., Girard Ave. $5,608, Greenfield Ave. $2,999, Park Hill Ave. $139; to J. B. Forrestal Co., 215-15th St. Ellen St. $647; T. G. Holton, 345-27th Ave., Howell Ave. $5,723; to Wisconsin Sewer Constr. Co., 928 Humboldt Ave., Cleveland Ave. $5,343. Grand total $23,862.

Wis., Waukasha—Sewage disposal plant, to Bondgard Constr. Co., 932 Herrick Ave., Racine, $127,926.

Mo., St. Louis—Bd. P. Serv., City Hall, Rock Creek Joint Sewer, 815 ft. 16 ft. rein.-con. horseshoe pipe, to R. J. Blackburn, 5700 Eichelberger St., $65,627. Est. $87,-000. Noted July 5.

Mo., Kansas City—Sewer Dist. 601, Div. 6, to T. P. Thompson, 3908 Forest Ave., $30,815.

Tex., Galveston—Sewers in 7 blocks Ave. J from 40th to 47th Sts., to Walker & Elder, Builders Exch. Bldg., San Antonio, $78,744.

Tex., Weslaco—B. E. Sanders, engr., Weslaco, furnishing 11,000 ft. 12- to 24-in. vitr. sewer pipe, to Mercedes Concrete Pipe Co., Mercedes, for City, $8,766. Noted June 21.

Okla., Oklahoma City—For 21,300 ft. 8 to 18-in. concrete sewer in Markland St., to W. B. Carter, 7 North Rockford St., Tulsa, $26,846. Est. $30,260.

Nev., Wells—Sewers, watermains, to Mullins & Wheeler, Salt Lake City, Utah, $31,-920. Noted July 5.

Calif., Gustine—Extending sewerage system, to Smith Constr. Co., 354 Hobart St., Oakland, $30,335.

Calif., Inglewood—Vitr. sewers in Impvt. Dist. 2, to J. Zelko, 2137 Ocean View Ave., Los Angeles, $77,187.

Calif., Livingston—E. J. Hicks, city clk., vitr. sewerage system, to R. B. McNair, 3819 Rhoda St., Oakland, $41,955. Noted July 5.

Calif., Long Beach—Rein.-con. drains in Hill St., to A. T. Dolan, Ocean Beach, $24,988. Noted June 28.

Calif., Woodland—For 4 mi. 24 in. sewer from 4th and Beamer Sts. to City Disposal Plant. A. G. Proctor, Woodland, engr.

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8 Reasons Why WISCONSIN Cities Use INDEPENDENT Concrete Pipe

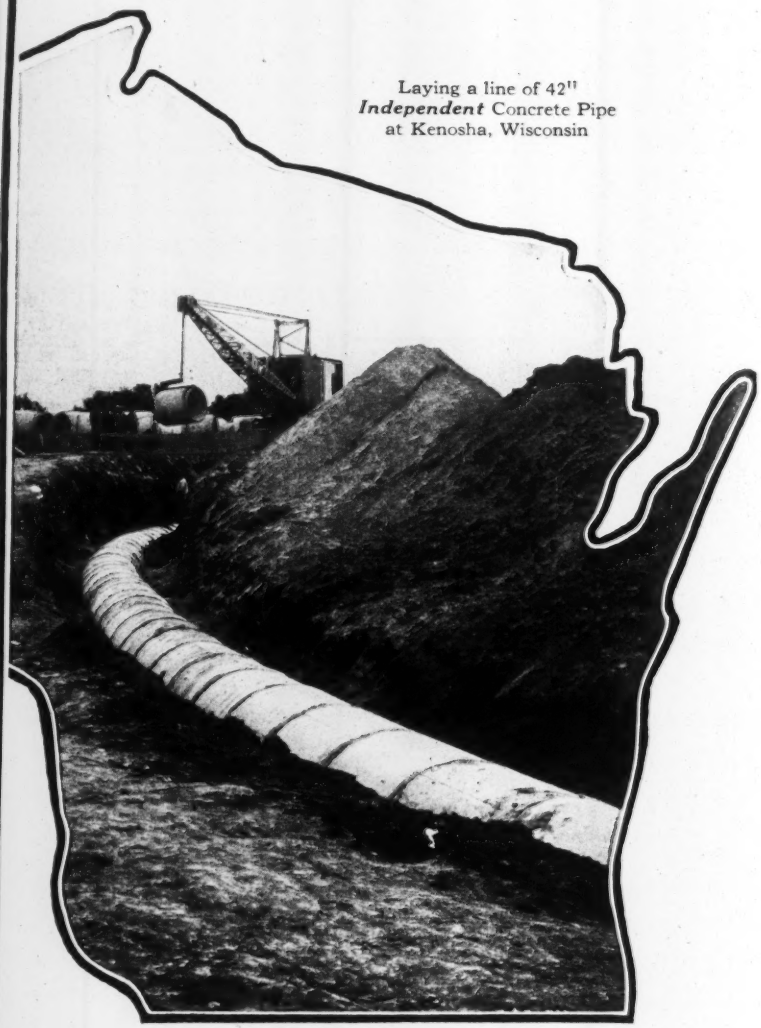
PROGRESSIVE cities in Wisconsin, as in a long list of other states, have found ***Independent*** Reinforced Concrete Pipe the ideal material for building permanent sewers, at remarkably low cost.

Here are some of the economies and advantages gained by using this pipe:

1. ***Built on the Job***—Pipe sections are precast in our special plants set up near the site of the sewer.
2. ***Benefit the City***—Wherever possible, local labor and materials are used to build the pipe.
3. ***Quality Control***—Pipe are made by "factory methods," with quality guarded at every step by our superintendents and the city's inspectors.
4. ***Prompt Delivery***—Short haul from pipe plant to sewer site avoids delays. Pipe are placed ready for sewer contractor to lay.
5. ***Easier to Lay***—The exclusive "Recessed Joint," greatly facilitates laying the sewer line, also makes possible—
6. ***A Stronger, Tighter Joint***—Even under difficult trench conditions, it is easy to seal this joint properly.
7. ***Free Flow***—Completed sewer is true and smooth; provides free flow and maximum capacity.
8. ***Permanence***—Sewer is good for generations, with little or no upkeep.

Let us show what these features will SAVE you on your next sewer project. Write us for estimates.

INDEPENDENT CONCRETE PIPE CO.
General Offices: Indianapolis, Ind.



Laying a line of 42" ***Independent*** Concrete Pipe at Kenosha, Wisconsin

INDEPENDENT Sewers Serve These and Many other Wisconsin Cities

Baraboo	Racine
Janesville	Sheboygan
Kenosha	Two Rivers
La Crosse	Watertown
Manitowoc	West Allis
Marshfield	W. Milwaukee

INDEPENDENT CONCRETE PIPE SEWERS

Waste Disposal

Proposed Work

N. J., Englewood—Bd. City Council, City Hall, incinerator to replace present system of garbage disposal. $75,000 appropriated. Address City Engineer.

Bids Desired

N. Y., St. George—July 25, by J. A. Lynch, pres. Richmond Boro, Boro Hall, general construction 90 ton garbage incinerating plant for Clifton Destructor, Clifton, S. I.

Bids Received

Calif., Beverly Hills—Incinerator, from Nye Odorless Crematory Co., 417 South Hill St., Los Angeles, $29,000. Noted Apr. 26.

Bridges

Proposed Work

N. J., Elizabeth—Bd. Freeholders Union Co., Court House, concrete, steel bridge over Elizabeth River, on Trotters Lane. $25,000. J. L. Bauer, Court House, co. engr.

N. J., New Providence—Bd. Freeholders Union Co., Court House, Elizabeth, new concrete, steel bridge over Passaic River, on Central Ave. $25,000. J. L. Bauer, Court House, Elizabeth, co. engr.

Ga., Burnt Fork (mail White Oak)—Bd. Comrs. Roads & Revenue Charlton Co. (Folkston), bridge over Satilla River, near here.

La., Lockport — La Fourche Parish (Thibodaux), reconstructing fenders at bridge across Louisiana and Texas Intra-Coastal Waterway (company canal).

Ia., Sioux City—Rein.-con. bridge over Floyd River near packing plants. $50,000. R. Nash, city clk.

Tex., Big Springs—City, Howard Co., and Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr. Dallas, 250 ft. steel span viaduct, rein.-con. viaduct over railroad tracks. $125,000. Address H. R. Davenport, Big Springs, co. judge.

Tex., Jacksonville — See "Streets and Roads."

Missouri — State Hy. Comn., Jefferson City, steel truss, rein.-con. deck girder and rein.-con. slab spans in Harrison, Reynolds, Greene, McDonald, Audrain, Oregon, Dallas, Warren, and Clinton counties. T. H. Cutler, ch. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans 2 span 200 ft. steel truss bridge on piers over Mocassin Creek near Tangier, Woodward Co., $35,000; 7 span 140 ft. rein.-con. bridge, Hy. 14, near Vici, Dewey Co., $31,000. C. R. Mandigo, hy. engr.

Okla., Bearden—Okfuskee Co. (Okemah), preliminary plans 2 span 350 ft. steel truss bridge over Canadian River. $40,000. G. Catlett, Okemah, engr.

Okla., Beaver—Beaver Co. preliminary plans 2 span 130 ft. steel truss bridge on piers, 20 mi. from here. $30,000. J. W. Lewis, Beaver, engr.

Okla., Earlsboro — Pottawatomie Co. (Tecumseh) preliminary plans 2 span 140 ft. steel truss bridge on concrete piers over Little River, near here. $30,000. F. D. Brown, Shawnee, engr.

Okla., Elmore City—Garvin Co. (Pauls Valley) preliminary plans 1 span 60 ft. steel truss bridge on piers over Wolff Creek. $25,000. P. A. Little, Pauls Valley, engr.

Bids Desired

Vermont—July 20, by State Ry. Dpt., Montpelier, bridge in Readsboro— 6 bridges in Braintree, Proposals 4 to 9 (inclusive)—2 bridges each in Pittsfield and Danby. S. B. Bates, comr.

Massachusetts—July 24, by Dept. P. Wks. State House, Boston, 2 rein-con. bridges, gravel approaches in Princton and Sterling. $25,000 or more. W. F. Williams, comr.

New Jersey—Aug. 6, by State Hy. Comn., Trenton, bridge, Route 25, Sect. 6, over tracks of Port Reading Branch of Reading Co., Middlesex Co. A. L. Grover, ch. clk.; adv. E. N-R.. July 19.

Ohio—July 27, by H. J. Kirk, dir. Hys., Columbus, concrete bridges in Ashland, Butler, Columbiana, Erie, Gallia, Hamilton, Harrison, Hocking, Holmes and Union Counties.

Maryland — July 24, by State Roads Comn., Baltimore, two three span steel, concrete bridges, one Contr. BC-73, Baltimore Co., other Contr. M-114, Montgomery Co., J. N. Mackall, chn.

Virginia—See "Streets and Roads."

Ala., Birmingham—Engineering Commission composed of A. J. Hawkins, city engr., B. Herman, ch. engr. Southern Ry., Wash., D. C., E. Wise, Jr., special engr. Louisville & Nashville R. R. Co., Louisville, Ky., bids about Sept. 1, 1,000 ft. rein-con. viaduct, 70 ft., incl. approaches, 22nd St. $225,000. Noted July 5.

Louisiana—Aug. 14, by State Hy. Comn., Baton Rouge, superstructures and fenders Chef Menteur and Rigolets Bridges, Federal Aid Project 201 Sect. D, Unit 2 and Sect. F, Unit 2, Orleans and St. Tammany Parishes; adv. E. T.-R. July 19. Noted July 28, 1927.

Indiana—July 31, by J. D. William, dir. State Hy. Comn., Indianapolis, bridges in Lake, Grant, Elkhart, Newton, Fulton, Wayne, Tippecanoe, Washington, Fayette, Jackson, Scott, Switzerland, Knox, Harrison, Pike and Knox Counties.

Ill., Pana—See "Waterworks."

Michigan—Aug. 7, at Saginaw Co. Road Office, Saginaw, S. R. Bridge 1 of 73-10-22, C-1 and 2, two 70 ft. steel deck girder, for State Hy. Dpt., Lansing. R. W. Roberts, Saginaw, resident engr.

Michigan—July 27, at office Wolverine Portland Cement Coldwater, Advice Bridge 2 of 12-13-22, C-1 and 2, three span, steel deck girder and Advice Bridge 2 of 12-1-21, C-1 and 2, three 96 ft. span steel deck girder, Branch Co., for State Hy. Dpt., Lansing.

Iowa—July 24, at office Auditor State Hy. Comn., Ames, 70 x 20 ft. skew pony truss bridges on old raised abutments, two 70 x 20 ft. and one 50 x 20 ft. pony truss and one 40 x 24 ft. I-beam bridges, 5 culverts, extensions on U. S. Hy. 65, B-89, Cerro Gordo Co.—16 x 24 ft. slab bridge, 20 culverts, extensions on Primary Roads 9 and 59, B-590, Howard Co.—46 x 24 ft. concrete deck girder bridge with 5 ft. walk, in Anamosa, B-209, Jones Co.—50 x 20 ft. pony truss, 110 x 20 ft. high truss bridges, 11 culverts on U. S. Hy. 34, B-512, Mills Co.—60 x 20 ft. pony truss bridge, 16 culverts on U. S. Hy. 34, B-575, Montgomery Co.—two 40 x 18 ft. I-beam approach spans, U. S. Hy. 65, B-40, Warren Co.—32 x 24 ft. I-beam bridge, 30 culverts, extensions, U. S. Hy. 55, B-73, Winneshiek Co.—32 culverts, Primary Rd. 56, B-549, Clayton Co. R. F. White, hy. comr.

Ark., Osceola—July 27, by Bd. Comrs. Sub-Dist. 4, Grassy Lake & Tyronza D.D. 9, Mississippi Co., cleaning out, enlarging 55 mi. present ditches, incl. 575,000 cu.yd. excav., also digging new ditches. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs.

Nev., Verdi—Aug. 6, by E. H. Beemer, clk. Washoe Co. (Reno)., 150 ft. span steel hy. bridge over Truckee River, near here. King & Malone, Reno, engrs.

Calif., Saugus — Aug. 1, by State Hy. Comn., Sacramento, five 82 ft. plate girder span bridge concrete deck on concrete pier, abutments with wing walls over Santa Clara River, point 3 mi. north of here; one 46 ft. steel girder span bridge concrete deck on concrete abutments with wing wall, about 0.72 mi. graded and paved roadway over Southern Pacific R.R. C. H. Purcell, Hy. Bldg., Sacramento, engr. Noted July 5.

Calif., San Jose—J. J. Lynch, city clk., taking bids bridge over Coyote River, on East San Antonio Ave. To exceed $25,000. W. Popp, city engr.

B. C., North Bend—July 23, by P. Philip, engr. Dpt. P. Wks., Victoria, substructure 405 ft. span bridge over Fraser River, for Provincial Govt., Victoria. $75,000.

Contracts Awarded

Maine—State Hy. Dpt., Augusta, bridges in Tremont, to Elliott & Marble, Skowhegan —in Old Town, to Wyman & Simpson, Augusta, $30,333—in Phillips, to Stewart & Williams, Augusta, $29,562—in Pittsfield and Freedom, to J. Frederick & Co., Pittsfield, $2,183 and $11,896 respectively.

Mass., Nantucket—Concrete, steel bridge across South Gully and bulkhead Easy St., to A. J. Barrett, 20 Fair St. Est. $25,000. Noted Mar. 22.

New York—A. W. Brandt, comr. Hys., Albany, **(e. e. means engrs. est.)**, reconstructing bridge, Ulster Co., to Hull & Saltsman, Highland Mills, $19,373 e. e. $25,940—bridges in Otsego Co., to F. F. Baker, Mechanicville, $87,946 e. e. $106,774—bridge in Dutchess Co., to L. P. Hover Co., Inc., Germantown, $13,470 e. e. $17,444 —bridge, Hamilton Co., to J. Bocchi, Hudson Falls, $25,068 e. e. $31,052—bridge, Jefferson Co., to M. C. Soper, Seneca Falls, $36,792 e. e. $43,702. Grand total $182,649. Noted June 21 under "Streets and Roads."

N. J., Newark—Bd. Freeholders Hudson Co. (Jersey City and Essex Co. Newark), Hall of Records Bldg., reconstructing fenders for Jackson St. Bridge over Passaic River, to Linde & Griffith Co., 4th Ave. $29,500.

Maryland—State Roads Comn., Baltimore, double span steel, concrete girder bridge, to Southern Maryland Contr. Co., 12 East Lexington St., Baltimore, $22,932—single span steel concrete girder bridge, to M. Kelly, 3105 Clifton Ave., Baltimore, $7,292, both in Prince George Co. Noted June 28.

Ohio—H. J. Kirk, dir. Hys., Columbus, 3 span slab bridge over Hewett Fork, Athens Co., to B. Davidson, Athens, $6,647—concrete arch bridge Stark Co., to Laughlin Coal & Builders Supply Co., 223 Park Ave. N.W., Canton, $26,820—grade separation bridge, 3 in. brick paving approaches, Stark Co., to General Asphalt Paving Co., Wilters Bldg., Canton, $20,268. Grand total $53,735. Noted June 21.

O., Cincinnati—Hamilton Co., Court House, 3 span 80 ft. I-beam bridge, on Montgomery Rd., to United Constr. Co., 408 Lyric Bldg., $29,604. Est. $34,248. Noted July 5.

Ia., Atlantic—Cass Co. 2 high truss and 1 I-beam bridges, to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb., $14,720, 26 culverts, to F. O. Akin Constr. Co., Atlantic, $22,900.

Wis., Menasha—State Hy. Comn., City Hall, Menasha, Tayco Street Bridge over U. S. Government Canal, on U. S. Hy. 41, to Greiling Eng. Co., Green Bay, $217,167. Noted June 21.

Iowa—State Hy. Comn., Ames, raising 24 x 24 ft. slab bridge, adding 24 x 24 ft. span, 40 culverts, extensions, Decatur Co., to Metropolitan Constr. Co., Omaha, Neb., $17,739—50 x 20 ft. pony truss bridge, to F. O. Akin, Corning, $7,800—90 x 20 ft. skew pony truss bridge with two 40 x 20 ft. I-beam approaches, 140 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approaches, two 30 x 20 ft. and one 40 x 20 ft. I-beam bridges, Jackson Co. to P. Jayne, 2201 Mt. Vernon Ave., Cedar Rapids, $54,336—75 x 20 ft. plate girder bridges with four 40 x 20 ft. girder approach spans, Plymouth Co., to Iowa Bridge Co., 19th St. and Eastern Blvd., Des Moines, $22,337—16 culverts, Clayton Co., to Schaaf & Jakobsen, Lake Park, $4,900. Grand total $167,172. Noted July 5.

Kan., Atchison—Atchison Co., Arrington Bridge, one 120 ft. truss and two 18 ft. pile trestle spans over Delaware River, to Loomis Constr. Co., 1208 North 10th St., St. Joseph, Mo., $14,506. Noted June 21.

Ark., North Little Rock (br. Little Rock) —Pulaski Co. D.D. 1, F. D.Watkins, chn., 2408 Gaines St., new drainage ditches, cleaning old ditches, 157,000 cu.yd. excav., to J. L. Williams Co., Inc., Contractors Exch. Bldg., Memphis, Tenn., $20,300. Est. $35,000.

Wash., Centralia — Comrs. Lewis Co. (Chehalis), concrete, timber bridge over Skookumchuck River, to Northwest Constr. Co., Walla Walla $24,600. Est. $25,000.

California—State Hy. Comn., Sacramento, rein.-con. girder bridge over Truckee River at Tahoe, Placer Co., to P. M. White, Santa Monica, $23,988. Noted July 5.

Calif., Santa Paula—Ventura Co. (Ventura) reconstucting Willard Bridge, seven 90 ft. spans, to Oberg Bros., 3470 Hollenbeck Ave., Los Angeles, $28,800.

Railways

Proposed Work

Alabama—Engineering Commission composed of B. Herman, ch. engr. Southern Ry., Wash., D. C., E. Wise, Jr. special engr. Louisville & Nashville R.R. Co., Louisville, Ky., and A. J. Hawkins, city engr. Birmingham, elevating ¾ mi. tracks Louisville & Nashville R.R. and Southern Ry. through city of Birmingham, with partial depression of 14th, 18th and 20th Sts., underpasses to range from 120 to 225 ft. long. $800,000.

Texas and Oklahoma—Chicago, Rock Island & Gulf Ry., M. L. Bell, vice-pres., 25 Broad St., New York, railroad from Amarillo, Tex., to state line between Texas and Oklahoma.

Texas—Gulf Colorado & Santa Fe Ry. Co., F. Merritt, ch. engr., Galveston, switching yard, 600 car capacity incl. roundhouse, machine shop. $1,000,000. Some of work will be done by day labor.

Oregon and California—Southern Pacific Co., G. W. Goschke ch. engr., 65 Market St., San Francisco, 97 mi. railway from Klamath Falls, Ore. to Altruas, Calif.

California—Klamath River Holding Co., Yreka, purchased 6 mi. Yreka R.R. from Yreka to Montague, plans expending $100,000 reconditioning roadbed, new ties, new 75 lb. steel, preliminary surveys 100 mi. extension of road into western Siskiyou Co. W. E. Plank, Yreka, ch. engr.

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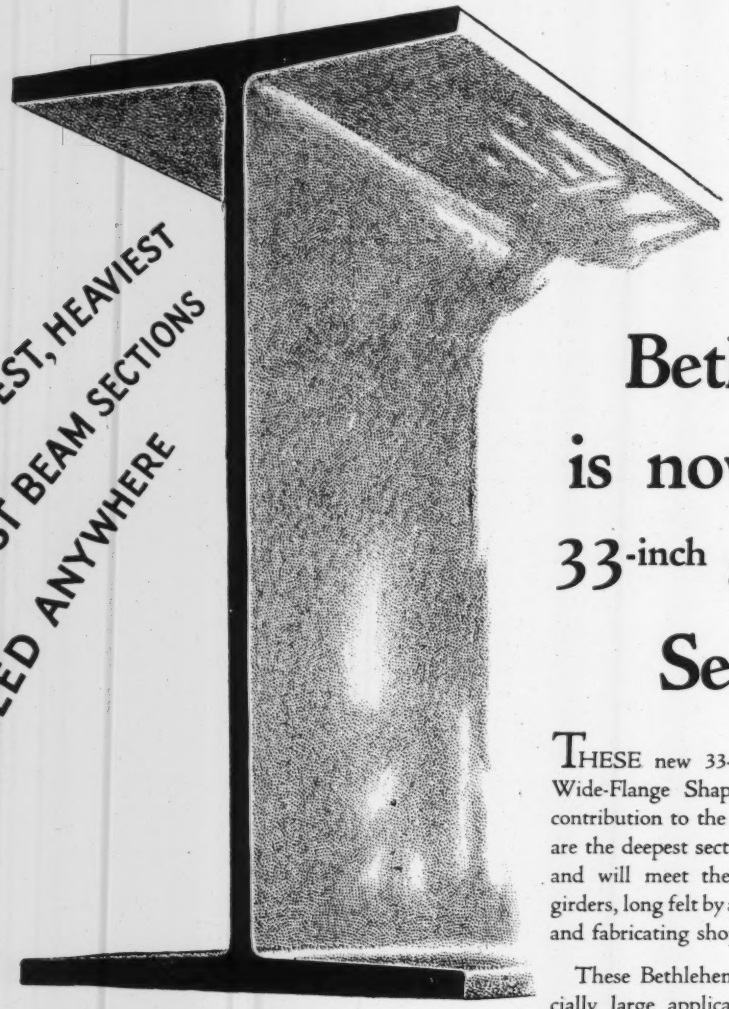

THE LARGEST, HEAVIEST & STRONGEST BEAM SECTIONS EVER ROLLED ANYWHERE

Bethlehem is now rolling 33-inch and 36-inch Sections

THESE new 33-inch and 36-inch Bethlehem Wide-Flange Shapes are this Company's latest contribution to the structural steel industry. They are the deepest sections ever rolled in this country and will meet the need for deeper beams and girders, long felt by architects, engineers, contractors and fabricating shops.

These Bethlehem deep sections will have especially large application in railway and highway bridges, and in building construction. For long spans they show considerable economy over any other sections.

They are rolled on Bethlehem's patented Grey Mills, like other sizes of Bethlehem Wide-Flange Structural Shapes. The introduction, years ago, of Bethlehem Wide-Flange Shapes—commonly known as Bethlehem Sections—was an important event in the history of Structural Steel. Their economy in weight and in cost of fabrication was promptly recognized. Bethlehem Sections were widely accepted, and so extensively used that it was necessary to increase the capacity for production by building two additional Grey Mills to meet the demand.

And now the introduction of this series of 33-inch and 36-inch Sections extends the range of application of Bethlehem Wide-Flange Shapes and makes it possible to more fully utilize their advantages and economies. Regular rolling schedules of the new deep sections are being maintained.

Weights and Section Moduli of these New Sections

33-inch			*36-inch*		
Section Number	Lbs. per foot	Section Modulus	Section Number	Lbs. per foot	Section Modulus
B33	125	394.3	B36	147	500.9
B33	135	422.3	B36	155	530.4
B33	143	449.4	B36	164	561.1
B33	152	478.4	B36	173	595.0
G33	202	676.0	G36	231	835.0
G33	210	707.3	G36	240	872.0
G33	220	741.4	G36	250	911.2
G33	230	778.0	G36	260	949.5

BETHLEHEM STEEL COMPANY
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BETHLEHEM
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STRUCTURAL SHAPES

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Newark—Bd. City Comrs., City Hall, dredging 1,600 ft. channel, pumping fill from dredging to undeveloped land, erecting dock, piers, in Port Newark. $550,000. J. W. Costello, city engr.

Mississippi — Pidgeon Creek D. D., c/o J. C. Tucker, Holly Springs, bids in August, drainage 16,000 acres in Marshall, Tate and Desoto Counties, incl. 32.13 mi. canals, 771,200 cu.yd. excav., clearing 320 acres right-of-way. S. W. McCleskie, 11 South 2nd St., Memphis, Tenn., engr.

Ill., Stark—Wyoming Co. preliminary surveys dredging, straightening, shortening Spoon River bed to prevent overflowing 3,000 acres farm land. R. M. White, Geneseo, engr.

Wash., Walla Walla — Plans expending $200,000, permanent bulkheads along Mill Creek, for flood control, present bulkheads to be raised to height 12 ft. W. R. Rehorn, city engr.

Calif., Modesto—See "Unclassified."

Bids Desired

N. J., Jersey City—July 26, by County Mosquito Extermination Comn., Trust Co. Bldg., pile, timber bulkhead, tide gates, furnishing all materials for same in southerly end Penhorn Creek, $25,000. F. J. Radigan, Court House, c/o engr.

La., Crowley—July 24, by Comrs. 6th Ward, Crowley D. D., Acadia Parish, H. E. Lewis, pres., 42 mi. open ditch, incl. 400,000 cu.yd. excav. M. Bernard, Crowley, consult. engr. Noted June 28.

Illinois—Aug. 8, at office Dpt. Purchases & Constr., Div. Waterways, State House, Springfield, Contrs. 8, 10 and 11, machinery for Marseilles Canal, Marseilles, Starved Rock, Dresden Island and Brandon Pools, Contr. 8; meter and taintor gates, Contr. 10; bridges, Contr. 11. L. Small, dir.; adv. E. N.-R. July 19.

Ill., Chicago—July 20, by City, City Hall, altering channel South Branch of Chicago River between Polk St. and West 18th St. Noted Mar. 15.

Ill., East St. Louis — July 31, by Bd. Park Comrs. East St. Louis Park Dist., 929 Missouri Ave., St. Louis, Mo., dredging 1,845,000 cu.yd. E. P. Griffin, c/o owner, supt. and engr.; adv. E. N.-R., July 19.

Ill. Pana—See "Waterworks."

Iowa—July 26, at office Auditor Pottawattamie Co., Council Bluffs, 15,100 ft. Coulthard Levee, Pottawattamie and Harrison Counties. J. H. Mayne, 103 Pearl St., Council Bluffs, engr.

Ia., Anamosa—July 23, at office L. Rockstad, aud. Jones Co., drainage ditch, incl. 21,580 cu.yd. excav., 3,000 cu.yd. borrow, also 46 x 16 ft. pile bridge, timber crib, 48 x 8 ft., 6 ft. high.

Ia., Council Bluffs—July 26, by Bd. Supervs. Pottawattamie Co. at office auditor, repairing Honey Creek D. D., incl. 300,000 cu.yd. excav. in open ditch. $27,000. J. H. Mayne, 103 Pearl St., engrs.

Ia., Logan—July 24 at office Auditor Harrison Co., excavating 5,900 cu.yd. in Magnolia Drain. Mayne Eng. Co., Council Bluffs, engrs.

Ia., Wapello—July 23, at office Auditor Louisa Co., excavating 58,307 cu.yd. D. D. 25.

Mo., Foley—July 23, by D. E. Killam, secy. Kings Lake Drainage Dist., Lincoln Co. 3 x 4 x 90 ft. rein.-con. sluiceway. Bushnell & McCann, Quincy, Ill., engrs.

Calif., Coronado—Taking bids 9,900 tons rock for seawall repairs.

Calif., Orange Cove—Aug. 7 (extended date), by Foothill Irrigation Dist., irrigation work. M. Enderlein, Brix Bldg., Fresno, engr. Noted June 14.

Ont., Port Arthur—July 25, by S. E. O'Brien, secy. Dept. P. Wks. Ottawa, dredging. $150,000.

Alberta—Aug. 7, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Athabaska River. $40,000.

B. C., Steveston — July 26, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, extending jetty 5,000 ft. north of Fraser River. $50,000. C. C. Worsfold, P. O. Bldg., New Westminster, engr.

B. C., Victoria Harbour—July 24, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging. $60,000.

Contracts Awarded

Mass., Harwich—Dpt. P. Wks., Boston, dredging 14,000 cu.yd. to depth 5 ft. at mean low water in entrance channel, anchorage basin at Witchmere Harbor, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $8,000. Noted May 24.

Pa., Phila. — R. Weglein, dir. Dpt. Wharves, Docks & Ferries, Chestnut St., Pier 4, South, constructing Schuylkill River Bulkheads, west side north of Harkness Point and south side of Point Breeze, to Trieste & Earle, Real Estate Trust Bldg., $106,980 and $90,339 respectively. Noted June 14.

O., Van Wert—Ditch 1092, 29,414 cu.yd. excav., Harrison, Pleasant and Union Twps., to A. Barclay, Monroeville, Ind.

Ill., East Peoria — East Peoria D. D., dredging Farm Creek from West Washington Street Bridge, to Illinois River, new diversion channel and spillway near L. E. and W. Bridge, to McWilliams Dredging Co., 332 South Michigan Blvd., Chicago, $75,000-$80,000.

Wis., Milwaukee—Milwaukee Co. Drainage Bd., c/o C. R. Dineen, 1422 1st Natl. Bank Bldg., Milwaukee Co. Farm Drain 18, to Wisconsin Drainage Co., Elkhorn $22,-466. Noted June 21.

Calif., Long Beach—Retaining wall (or sea wall), incl. 1,800 cu.yd. concrete, along Bluff Park between Malino and Arizaba Aves., to Torson Constr. Co., 1290 West Anaheim St. $47,000.

Que., St. Hubert—Dominion Govt., Ottawa, Ont., work on Montreal Div. Harbor, to Cummins & Robinson, 70 Lombard St., Toronto, $102,441.

Ontario—Dominion Govt., Ottawa, reconstructing 115 ft. South Pier, Burlington Channel, in Burlington, to Randolph Macdonald Co. Ltd., 1130 Bay St., Toronto, $25,640; dredging Rondeau, to Canadian Dredging Co. Ltd., Midland, $38,650.

Ont., Rondeau—Dpt. P. Wks. Parliament Bldgs., Ottawa, dredging in Rondeau Harbor, to Canadian Dredging Co., Midland, $38,650. Est. $40,000. Noted May 24.

Ont., Owen Sound—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, improving harbor, to Woolnich & Bingham, Owen Sound, $24,-000; to Jackson Constr. Co., Sorel, $19,000. Noted June 21.

Streets and Roads

Proposed Work

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, paving Bear St. from Solar St. to Grant Blvd., $120,740; Scott Ave. from East Genesee St. to Meadowbrook Dr., $50,720. N. F. Pitts, Jr., city engr.

N. J., Bergenfield—Bd. Boro Hall, 2 in. Topeka on 6 in. concrete paving Woods Ave. and Harrington St. $27,000. D. C. Boswell, 128 North Washington Ave., engr.

N. J., Bergenfield—Bd. Boro Council, Boro Hall, 2 in. Topeka on 6 in. concrete paving North Vivian St. and Elder Ave. $40,000. D. C. Boswell, 128 North Washington Ave., engr.

N. J., Bergenfield—Bd. Boro Council, Boro Hall grading, 2 in. Topeka on 6 in. concrete paving Beulau Pl., Byrne and North Queen Sts. $30,000. D. C. Boswell, 128 North Washington Ave., boro engr.

N. J., Bergenfield—Bd. Boro Council, Boro Hall, 2 in. topeka on 6 in. concrete paving Ames Ave. and Williams Rd. $30,-000. D. C. Boswell, 128 North Washington Ave., boro engr.

N. J., Cliffside Park (br. Cliffside)—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving Glenn St. and Cortland Pl. $25,000 appropriated. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Elizabeth—Bd. P. Wks., City Hall, resetting curbing, 6 in. sheet asphalt on concrete paving Jefferson Ave. $32,500. T. Collins, City Hall, engr.

N. J., Fort Lee—Bd. Boro Council, Municipal Bldg., grading, curbing, concrete paving Brinkerhoff Ave. and Forest Rd. $25,-000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg. grading, curbing, guttering, paving River St. from Anderson to Bridge and Court Sts. $25,000. F. Campbell, city engr.

N. J., Leonia—Bd. Boro Council, Boro Hall, widening, concrete paving Glenwood Ave. $26,000. C. Eckersen, 32 Dean St., Englewood, boro engr.

N. J., Maywood (sta. Hackensack)—Bd. Boro Council, Boro Hall, 4 ft. concrete sidewalks, both sides Romaine Ave., Sinninger and Edgewood Pls., Hartwick, Ackerman and Stewart Sts. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Maywood (sta. Hackensack)—Bd. Boro Council, Municipal Bldg., grading, curbing, bituminous concrete on 6 in. cement or 6 in. macadam, or 8 in. rein.-con. paving Belle Ave. $37,000 appropriated. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Milltown—Bd. Freeholders Middlesex Co., County Record Bldg., New Brunswick, permanent paving 2,940 ft. Main St. $35,000. W. Buchanan, Smith St., Perth Amboy, engr.

N. J., Newark—Grading, sheet asphalt on concrete paving Grafton Ave. $33,200 appropriated. J. W. Costello, city engr.

N. J., New Milford—Bd. Boro Council, Municipal Bldg., grading, concrete curbing, asphalt bound macadam paving Holland Ave. $25,000. A. Noack, 236 Main St., Hackensack, boro engr.

N. J., New Milford—Bd. Boro Council, Municipal Bldg., asphalt bound macadam resurfacing Grand St. $25,000 appropriated. A. Noack, 236 Main St., Hackensack, engr.

N. J., New Providence—Bd. Town Council, Township Hall, concrete paving Union Ave. $60,000. Engineer not selected.

N. J., North Caldwell (mail Caldwell)—Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, bituminous macadam paving Elm Rd. $26,000. J. Stickel, Hall of Records Bldg., Newark, co engr.

N. J., New Providence—Bd. Freeholders Union Co., Court House, Elizabeth, widening, paving South St. $50,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., North Caldwell (br. Caldwell)—Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, bituminous macadam on concrete paving Elm Rd. $26,000. J. Stickel, Hall of Records Bldg., Newark, engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, rein.-con. or sheet asphalt repaving Bloomfield Ave. and Harrison Sts. $134,000. G. R. Hartley, town engr.

N. J., Nutley (br. Newark) — See "Sewers."

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, grading, curbing, concrete sidewalks and 7 in. bituminous macadam paving Woodlawn Ave., Race, Locust, Chase, Harvard, Orchard, Holes, Spring and John Sts. $120,000. G. R. Hartley, town engr.

N. J., Palisades Park—Bd. Boro Council, Bergen Co., Boro Hall, grading, curbing, concrete paving Roosevelt Pl. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Plainfield—Common Council, City Hall, curbing, sidewalks. $25,000. A. Vais, City Hall, engr.

N. J., Point Pleasant — Common Council rejected bids curbing, sidewalks. $29,314. G. W. Hankins, mayor.

N. J., Ridgefield—Bd. Boro Council, Boro Hall, concrete sidewalks, concrete paving Elizabeth St. $28,500. McClave & McClave, 600 Gorge Rd., Cliffside Park, boro engrs.

N. J., Ridgefield—Bd. Boro Council, Bergen Co., Boro Hall, preliminary plans grading, resetting curbing, concrete paving Arthur St. $25,000 appropriated. McClave & McClave, 600 Gorge Rd., Cliffside, boro engr.

N. J., South Orange—Essex Co. Park Comn., 810 Broad St., Newark, concrete paving Cherry Lane from South Orange Ave. to Northfield Rd. $55,000. J. Stickel, Hall of Records Bldg., Newark, co. engr.

N. J., Tenafly—Bd. Boro Council, Boro Hall, grading, rein.-con. paving Lindley Ave. $25,000. W. G. Clark, 9 Hillside Ave., boro engr.

N. J., Weehawken—Twp. Com., Town Hall, sheet asphalt on concrete repaving Clifton Terrace, $25,000. Engineer not selected.

North Carolina—State Hy. Dpt., Raleigh, grading, small rein.-con. structures 17 mi. Project 6693, Rowan Co. $80,000. L. R. Ames, Raleigh, engr.

La., New Orleans—Sidewalks, concrete, asphalt paving 91 blocks Hamilton St. from Palmetto to Last Sts., Hamilton St. from Forshey to Palmetto Sts.; Dryades, Crete, Canal, Jackson, Hennesy, and Leonidas Sts. $545,000. A. Vallas, city engr.

Tennessee—State Dept. P. Wks. & Buildings, Div. Hys., Springfield, surveys improving 3 mi. Glendale-Valdean Rd., Hamilton Co. H. F. Berry, comr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, surveys improving 10 mi. Milan-Crockett Co. line Rd., Gibson Co. H. F. Berry, hy. comr.

Tenn., Shelbyville — Preliminary plans grading, curbing, concrete paving, $70,000. W. A. Fuller Co., 1912 Railway Exc. Bldg., St. Louis, Mo., and 1709 Russell Ave., Nashville, engrs.

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Streets and Roads (Continued)

Tenn., Springfield—Robertson Co. and State Dept. Hys. & P. Wks., Nashville, surveys improving 8 mi. Springfield-Ashland City Rd. H. F. Berry, hy. comr.

Ohio—H. J. Kirk, dir. Hys., Columbus, rejected bids June 15, grading, brick, concrete paving 2.959 mi. Sects. "B-2" and "C-1" Franklin Co.

O., Cincinnati—Hamilton Co., grading, sidewalks, concrete repaving 22,896 sq.yd. Madison Rd. $92,736. E. A. Gast, Court House, engr.

O., Cincinnati—Grading, concrete curbing, sidewalks, concrete repaving 4,750 sq.yd. Franklin Ave. $25,455. C. O. Sherrill, city mgr.

Ind., Anderson—Comrs. Madison Co., concrete paving 1 mi. C. A. Walton Rd., 20 ft. $30,000. A. Steele, Anderson, engr. Noted May 24.

Ill., Alton—Soon takes bids 7 in. rein.-con. paving 19,745 sq.yd. Riley Ave., 5 streets, Park Dr. Sewer & Paving Dist. $60,841. J. E. Schwaab, City Hall, engr.

Ill., Carrollton—Soon takes bids grading, curbing, concrete paving 40,000 sq.yd. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs

Ill., Geneseo—Grading, curbing, rein.-con. paving 13 blocks East North St. and North Russell Ave. $40,000. S. Ogden, Geneseo, engr.

Ill., La Harpe—Soon takes bids grading, curbing, paving 50,000 sq.yd. State will pay for center 18 ft. and city the balance.

Ill., Peoria—Grading, curbing, rein.-con. paving 10.5 blocks Louisa St., Malone and Oakland Aves. $31,000. W. E. Backes, City Hall, engr.

Ill., Peoria—Vitr. brick on present paving 9 blocks South Adams St., 50 ft. $64,501. W. E. Backes, City Hall, engr.

Ill., Toulon—Stark Co. graveling 40 mi. State Aid Rds., 8 to 16 ft. $100,000. J. L. Duran, Court House, co. engr.

Ill., Winchester—Soon takes bids grading, curbing, concrete paving 40,000 sq.yd. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ia., Cedar Rapids—Prelminary plans widening, sheet asphalt or asphaltic concrete repaving 20,000 sq.yd. 3rd Ave. F. E. Young, City Hall, engr.

Ia., Cumberland—Preliminary plans curbing, guttering, sewers, concrete, asphalt, warrenite bitulithic, oiled, gravel or brick paving 12,000 sq.yd. P. K. De Voe, City Hall, Creston, engr.

Ia., Lisbon—For 7 in. rein.-con. paving 10,000 yd. $25,000. H. R. Green Co., Beaver Bldg., Cedar Rapids, engrs.

Kan., Alma—Wabaunsee Co. soon takes bids grading 2.94 and 5.3 mi. Rd.-K 11. Projects 515 and 516, 30 ft. F. Itz, Court House, engr.

Kan., Belleville—Republic Co. soon takes bids grading, bridging 5.457 mi. Federal Aid Project 313-A, 30 ft. J. O. Gunnells, Court House, engr.

Kan., Cottonwood Falls—Chase Co., grading, culverts 6.012 mi. Federal Aid Project 357-E, 30 ft. H. W. Wilkinson, Cottonwood Falls, engr.

Kan., Dodge City—Ford Co. grading, culverts 10.66 mi. Project 639, 30 ft. J. W. Thornbugh, Dodge City, engr.

Kan., Dodge City—Ford Co., soon takes bids grading 10.66 mi. RD-K 45, Project 39, 30 ft. J. W. Thornburgh, Court House, engr.

Kan., Emporia—Lyons Co. soon takes bids grading, drainage structures 7.071 mi. RD-K11, Project 503-A, 30 ft. O. D. Henry, Court House, engr.

Kan., Holton—Jackson Co. grading, 6.577 mi. Rd-K24, 30 ft. P. W. Wright, Court House, engr.

Kan., Iola—Allen Co. soon takes bids grading, bridging 5 mi. US Rd. 54, Federal Aid Project 283. A. W. Young, Court House, engr.

Kan., Liberal—Seward Co. preliminary plans grading 6 mi. US Rd. 54, Federal Aid Project 369, 30 ft. B. McPhail, Court House, engr.

Kan., Marion—Marion Co. soon takes bids grading, bridging 12.726 mi. Federal Aid Project 317-B, 30 ft. C. M. Hartsock, Court House, engr.

Kan., Oswego—Labette Co. soon takes bids gravel surfacing 13.5 mi. Altamont South Rd.; chat surfacing 3.8 mi. Parson-Galesburg Rd. W., 3.8 mi. Parsons-Galesburg East Rd. J. F. Grady, Court House, engr.

Kan., Phillipsburg—Phillips Co., grading, bridging 3 mi. Rd. K9 and 7 mi. US Rd. 36, Federal Aid Project 345. F. Shepherd, Court House, engr.

Kan., Smith Center—Smith Co., soon takes bids grading, bridging 5 mi. US Rd. 36, Federal Aid Project 364. H. L. Everet, Court House, engr.

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Kan., Sublette—Haskell Co., grading, culverts 12.086 mi. Project 652 and 6.044 mi. Project 651, 30 ft. C. D. Evans, sublette, engr.

Kan., Syracuse—Hamilton Co. preliminary plans grading, drainage structures 8.276 mi. RD-K27, 30 ft. H. T. Moody, Court House, engr.

Kan., Wellington—Sumner Co. preliminary plans grading 14.5 mi. RD-K 49, 30 ft. J. W. Mavity, Court House, engr.

Mont., Anaconda—Concrete paving 18,200 sq.yd. $39,000.

Missouri — State Hy. Comn., Jefferson City, 54 ft. grading 4 mi. St. Louis Co.—30 ft. grading 16.622 mi. Adair, Cooper, Greene, Audrian, Dallas, Harrison, Clinton, Atkinson, Atchison and Oregon Counties; 18 ft. gravel surfacing 9.566 mi. Wright, McDonald, Perry, Warren, Henry, Cape Girardeau, Maries and Douglas Counties; 9 ft. and 18 ft. concrete surfacing 4 mi. Platte Co.; hauling gravel 4.8 mi. Warren Co.; asphalt paving 4 mi. Clay Co. T. H. Cutler, ch. engr.

Mo., St. Joseph—City Clerk soon takes bids grading, concrete paving alley between Rencik and Sacramento Sts. $1,800, 5,500 sq.yd. Frederick Ave., $18,000, Scott St. between 9th and 12th Sts. $8,900; asphaltic concrete paving 2,030 sq.yd. Charles St. $3,000, alley between Mitchell and Penn Sts. $2,350, alley between Francis and Jules Aves. $1,900. W. M. Spann, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids vibrolithic concrete paving 2,65 sq.yd. Frey Ave. $14,800; warrenite bitulithic paving 3,130 sq.yd. Marquette St. $22,600; asphalt paving 3,090 sq.yd. Macklind Ave. $20,400, 2,735 sq.yd. Blair St. $20,100, 4,130 sq.yd. Compton Ave. $20,400; asphaltic concrete paving 2,700 sq.yd. Neosho St. $16,100, 3,330 sq.yd. Parkwood Pl. $20,640, 4,110 sq.yd. Bingham St. $11,800, 2,260 sq.yd. Rosa St. $6,850; rein.-con. paving 3,635 sq.yd. Robert Ave. $19,000, 1,740 sq.yd. Bamberger St. $9,000; 3 in. brick paving 540 sq.yd. Liermann St. $3,000, 1,540 sq.yd. Pelham St. $10,100. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids grading, rein.-con. paving Arsenal St. between 59th St. and Jamieson Ave. $39,540; sidewalks on Kingshighway between Laclede Ave. and Wabash Bridge $2,600, 7th St. and Chouteau Ave. $6,000, Carondelet Park $3,500, Forest Park $2,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans widening from 60-80 ft. Easton Ave. between Leffingwell and Prairie Sts. with cut-offs, also grading and granite block paving. $150,000. W. W. Horner, City Hall, engr.

Mo., St. Louis—W. W. Horner, city engr, 300 City Hall, soon takes bids grading, concrete paving 29,750 sq.yd. alleys in City Blocks 1033, 2782W, 2934, 2951, 2965, 3062, 2555A, 3964, 4000W, 4138, 4191, 4624A, 5225, 5295, 5358, 5447, 5484, 5536, 5767, 5825N, 5867, 5885, and 6087. $85,010.

Mo., Sikeston—Grading, curbing concrete paving North and South Kingshighway. $70,000. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs.

Ark., Conway—Preliminary plans grading, curbing, concrete paving 2 mi. Paving Dist. 15, incl. South Harkrider, Chestnut, Deer, South Front, Independence and Washington Sts.

Ark., Hot Springs—Preliminary plans grading, curbing, hard-surfacing 20 blocks Whittington Ave.

Ark., Little Rock—Preliminary plans grading, curbing, guttering, concrete, asphalt or asphaltic concrete paving 14 blocks 2nd, Chester, Pulaski and High Sts.

Tex., Athens—Grading, bridging 25 mi. Hy. 31. $185,000. S. J. Treadway, Athens, engr.

Tex., Jacksonville—Cherokee Co., grading, bridging 8.274 mi. Hy. 43. $60,000. G. A. Bracher, Jacksonville, engr.

Tex., Raymondville—Willacy Co., 1 in. rock asphalt on 7 in. concrete paving 10 mi. road from Raymondville to Willamar, 22 mi. 4 feeder roads, $500,000. J. E. Johnson, Orange, engr. Noted July 12.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans improving 60 mi. roads in Beaver Co. $200,000—7 mi. State Rd. 27, Cherokee Co. $30,000—8 mi. U. S. Hy. 81, Grady Co. $30,000—7 mi. Hy. 33, Seminole Co. $30,000—60 mi. roads in Texas Co. $200,000—concrete surfacing 84,600 sq.yd. Hy. 12, Osage Co. $200,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans improving 60 mi. roads, 30 ft., Delaware Co., $75,000, concrete slab surfacing 28,400 sq.yd. U. S. Hy. 77, Garvin Co., $60,000—21,200 sq.yd. U. S. Hy. 77, Murray Co., $45,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans grading 10 mi. Hy. 25, 30 ft. $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans concrete surfacing 640,000 sq.yd. roads. $500,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 11, north of Pawhuska, Osage Co., 30 ft. $45,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, sheet asphalt, surfacing 54,000 sq.yd. Hy. 3, Pottawatomie Co. $146,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 14, Woodward Co., $25,000; 10 mi. Hy. 15, Woodward Co., $25,000. C. R. Mandigo, hy. engr.

Okla., Altus—Grading, concrete paving 8,450 sq.yd. Grandview and Hickman Sts. $34,925. J. C. Chisum, Altus, engr.

Okla., Alva—State Hy. Dept., Oklahoma City, concrete surfacing 10,000 sq.yd. drives on loop from campus to athletic field Northwest State Normal College $29,473. C. R. Mandigo, Capitol, Oklahoma City, engr.

Okla., Beaver—Beaver Co. grading 8 mi. Road 7, 30 ft. $25,000. J. W. Lewis, Beaver, engr.

Okla., Chandler—Grading, vertical fibre brick paving 5,600 sq.yd. Dewey Ave. $27,200. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Chickasha—Grading, concrete paving 12,000 sq.yd. 13th St. $36,672. R. O. Bradley, Chickasha, engr.

Okla., Chickasha—Grading, concrete paving 12,770 sq.yd. Alabama St. $37,860. R. O. Bradley, Chickasha, engr.

Okla., Duncan—Grading, concrete paving 7,860 sq.yd. 11th and Elder Sts. $31,600. H. Sullivan, Temple, engr.

Okla., Elk City—Grading, concrete paving 7,300 sq.yd. Thurmond and Browne Sts. $36,608. Benham Eng. Co., Gumbel Bldg., Oklahoma City, engrs.

Okla., Enid—Garfield Co. concrete paving 13,775 sq.yd. Road 11, $27,000. F. W. Denner, Enid, engr.

Okla., Enid—Garfield Co. preliminary plans grading 11 mi. Roads 8, 14 and 16, 18 ft. $30,000. F. W. Denner, Enid, engr.

Okla., Holdenville—Grading, concrete paving 11,000 sq.yd. Cypress St. $32,867. C. H. Edge, Holdenville, engr.

Okla., McAlester—Pittsburg Co. preliminary plans grading, 7 mi., Lake McAlester Rd., 26 ft. F. Fraser, McAlester, engr.

Okla., Okemah—Okfuskee Co. preliminary plans grading 8 mi. Rd. 2, 28 ft. $35,000. G. Catlett, Okemah, engr.

Okla., Oklahoma City—Grading, concrete paving 8,700 sq.yd. South 25th St. $33,600. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Oklahoma Co., preliminary plans grading 10 mi. Road 21, 28 ft. $30,000. R. S. James, Court House, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 11,600 sq.yd. Pennsylvania St. $46,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,600 sq.yd. West 27th St. from Walker to Shartel Sts. $28,242. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 6,200 sq.yd. Laird and Forest Aves. $30,744. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 10,050 sq.yd. Nobile Ave. $41,200. W. W. Small, City Hall, engr.

Okla., Ponca City—Grading, vertical fibre brick paving 7,300 sq.yd. McFadden St. $30,094. H. W. Crawford, Ponca City, engr.

Okla., Shawnee—Grading, sheet asphalt paving 6,600 sq.yd. Belmont Ave. $28,432; 6,800 sq.yd. Dill St. $27,486. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Okla., Shawnee—Grading, sheet asphalt paving 6,275 sq.yd. Waldrep and Hauck Sts. $28,611. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Okla., Tulsa—Grading, 7 in. concrete paving 6200 sq.yd. South Gray Ave., sheet asphalt, widening 6,100 sq.yd. North Peoria Ave., $38,400. B. M. Hart, City Hall, engr.

Okla., Tulsa—Sheet asphalt paving 5,700 sq.yd. Maybell Ave. $25,000. B. M. Hart, City Hall, engr.

Okla., Wewoka—Grading, concrete paving 17,600 sq.yd. Plum, Orange and Ochesee Sts. $61,226. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle—Widening, repaving 3rd Ave. between Yesler Way and Pine St. $150,000. W. C. Morse, city engr.

Streets and Roads (Continued)

Calif., Auburn—Placer Co. paving 7 mi. Acq. & Impvt. Dist. 1. $100,000. J. Barnau, Auburn, engr.

Calif., Berkeley—Paving 7th St. and Hearst Ave. $95,000 or more. J. N. Eddy, city mgr.

Calif., Eureka—A. W. Kildale, city clk., grading, 1½ in. warrenite on 3½ in. asphaltic concrete paving 36,792 sq.ft. Harris St.

Calif.; Hayward — Widening, curbing, walks, paving Castro St. $40,000. J. B. Holly, city engr.

Calif., Los Angeles — Los Angeles Co., grading, curbing, walks, 6 in. concrete paving 241,256 sq.ft., and 8 in. concrete paving 37,055 sq.ft. San Pedro St., Impvt. 509—grading, guttering, durite surfacing 385,-500 sq.ft., 3½ in. asphaltic concrete paving 381,055 sq.ft. Tract 2262, Impvt. 730, to exceed $80,000—grading, curbing, guttering, walks, 6 in. vibrolithic concrete paving 138,-810 sq.ft. Stockton Ave. (A and I 141)—disintegrated rock on cementitious gravel surfacing 125,815 sq.ft. Cole Ave. Impvt. 722, to exceed $30,000.

Calif., Oakland—Municipal airport roadway, $75,000. G. N. Randle, city engr.

Calif., Oakland—Grading, curbing, guttering, 1½ in. asphalt on 5 in. concrete paving 88,345 sq.ft. 82nd Ave.; 1½ in. warrenite bituminous on 5 in. cement paving 43,836 sq.ft. 62nd Ave.; grading, vibrolithic concrete paving 248,696 sq.ft. Excelsior Ave. and Hopkins St. G. N. Randle, city engr.

Calif., Oakland—Widening Moraga Rd., $66,000; grading, curbing, guttering, paving various sections city, $475,500 or more. G. N. Randle, city engr.

Calif., Oroville—H. H. Hume, engr. Butte Co., announced $427,478, road budget for fiscal year 1928-29, half for maintenance roads and bridges, balance for comtemplated new construction.

Calif., Riverside—Riverside Co. constructing new roadway west of Indio to Pinon Flat. To exceed $75,000. A. C. Fulmor, Riverside, co. surv.

Calif., San Diego — Common Council, grading, curbing, sidewalks, 2 in. asphaltic concrete on 6 in., concrete paving 252,359 sq.ft. Garnet St. and Grand Ave. H. W. Jorgensen, city engr.

Calif., San Diego—Common Council, grading, curbing, sidewalks, 1½ in. asphaltic concrete on 6 in. concrete paving 68,101 sq.ft. Van Dyke Ave. H. W. Jorgensen, city engr.

Calif., San Francisco—Asphaltic concrete paving Girard St. between Ward and Mansell Sts. $30,000. M. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., soon takes bids grading, curbing, guttering, warrenite on asphaltic concrete paving, Mt. Pleasanton Dr. To exceed $25,000.

Calif., Visalia—Tulare Co. constructing 4½ mi. mountain road from point in Old Mill Rd. (Owner furnishes materials.) L. Moye, Visalia, co. surv.

Ont., Kitchener—Concrete curbing, guttering, asphalt on concrete paving 8,500 sq.yd. $35,000. S. Shupe, City Hall, engr.

Ont., Peterborough—Concrete curbing, guttering, asphalt on concrete paving Park St. $89,998. R. H. Parsons, Municipal Offices, engr.

Ont., Peterborough—Soon takes bids asphalt on cencrete paving Monaghan Rd., 3 avenues, 4 streets, $113,673; concrete paving Reid and Water Sts. $29,604. R. C. Harris, Municipal Offices, engr. Noted July 5.

Ont., Riverside—Council, H. Drouillard, mayor, concrete paving, sewers, street lighting. $100,000. C. McHigh, Riverside, engr.

Ont., Sudbury—Concrete, asphalt or bitulithic paving 7,500 sq.yd. College St. $37,-000. F. C. Lane, Town Hall, engr.

Ont., Toronto—Widening, grading, sheet asphalt on concrete paving Poplar Plains Rd. $73,000. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp., concrete curbing, guttering, sheet asphalt or bitulithic on concrete paving 8,000 sq.yd. Ewart and Lapp Aves. $47,047. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Vermont—July 20, by State Hy. Dpt., Montpelier, rein.-con. paving 4.9 mi. hy. in Duxbury, Moretown and Middlesex. S. B. Bates, comr.

Massachusetts—July 24 by Dpt. P. Wks., State House, Boston, bituminous concrete paving 10,226 ft. hy. in Dennis—hardpan paving 3,181 ft. Plainfield—gravel and bituminous macadam paving 12,799 ft. in Norfolk, and Lunenburg—bituminous macadam paving 19,013 ft. Pembroke, Barre, and Billerica. W. F. Williams, comr.

Mass., Boston—July 23, by Dpt. P. Wks., sheet asphalt or bitulithic paving Ward 17, $25,000. J. H. Sullivan, comr.

Mass., Boston—July 25, by Dpt. P. Wks., recut granite block paving Ward 1. $30,000. J. H. Sullivan, comr.

New York—July 31, by A. W. Brandt, comr. Hys., Albany, improving hys. in Dutchess, Montgomery, Nassau and Schenectady Counties; reconstructing hys. in Albany, Columbia and Nassau Counties; bridges in Jefferson and Nassau Counties; adv. E. N.-R. July 19.

N. Y., Brooklyn—July 25, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, recurbing, sidewalks on Barbey St.; granite on concrete repaving Columbia St.; granite on 6 in. concrete repaving Fulton St., and Engert Ave.; grading Fardner Ave.; asphalt on 6 in. concrete repaving Hoyt and Maple Sts.; asphalt and granite on 6 jn. concrete repaving Pitkin Ave.

N. Y., Long Island City—July 23, by B. M. Patten, pres. Queens Boro, Boro Hall, grading, curbing, sidewalks, sheet asphalt on concrete paving Roanoke and Metropolitan Aves.—regulating, recurbing, reflagging, sheet asphalt on concrete paving 45th St. (15th Ave.), 31st St. (Jamaica Ave.)—asphalt block on concrete repaving outside area, granite block on concrete repaving inside area of Steinway Ave.

N. Y., New York—July 24, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., grading, sidewalks on Eastern Blvd.; 2 in. asphalt block on concrete paving Rockwood St. and Waldo Ave.; sewer in Lurting Ave., East 152nd and East 142nd Sts.

N. Y., New York—July 26, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., curbing, asphalt block on concrete repaving East 150th St.

New Jersey—Aug. 6, by State Hy. Comn. Trenton, grading, drainage Route 29; Sect. 3, and Route 21, Sect. 1, Weequahic Park and Meadow Sects., Essex Co., A. L. Grover, ch. clk.

New Jersey—Aug. 6, by State Hy. Comn. Trenton, grading, bridging, 9 in. rein.-con. paving. Route 25, (Revision 1927), Sect. 6, from Route 4 (1927) to Amboy Ave., Middlesex Co., A. L. Grover, ch. clk., adv. E.N.-R. July 19.

N. J., Guttenburg — Bd. Town Council, Town Hall, bids about Aug. 6, resetting, laying new bluestone curbing, concrete sidewalks, rein.-con., repaving Adams, Jackson, Polk and Madison Sts., Palisade, Hudson and Bellevue Aves. $115,000. R. Gaw, 4633 Hudson Blvd., North Bergen, engr. Noted May 24.

N. J. Mendham—July 31, by Boro Council, curbing Hilltop Rd., Main, New and Orchard Sts., Park and Mountain Aves. F. S. Smith, Washington St., Morristown, engr.; adv. E.N.-R., July 19.

N. J., North Bergen—July 26, by Twp. Comn., Town Hall, bluestone curbing, sidewalks, sheet asphalt or reclipped block on concrete paving Virginia Ave., Midway Pl., 38th, 39th an 40th Sts. $375,716 appropriated. R. B. Glenn, town engr. Noted June 14.

N. J., Plainfield—Aug. 6, by Common Council, curbing, guttering, 7 in. bituminous macadam paving Contrs. 1 and 2. A. W. Vars, city engr.; adv. E. N.-R., July 19.

N. J. Teaneck (mail West Englewood)—July 24, by Twp. Comn., Municipal Bldg., grading, 6 in. single line rein.-con., paving Bedford Ave. $46,000. R. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr. Noted July 5.

N. J., Weehawken—July 26, by Bd. Hudson Co., Jersey City Blvd., Comn., Court House, Jersey City, sheet asphalt on 6 in. concrete paving East Blvd. $45,000. F. J. Radigan, Court House, c/o engr.

Pa., Harrisburg—July 26, by H. A. Sherk, supt. Streets & Pub. Impvts., Dauphin Bldg., curbing, concrete paving, 3 alleys, Brown, River and Zerker Sts.

Maryland — July 24, by State Roads Comn., Baltimore, concrete paving 0.59 mi. Contr. Wo-58, Worcester Co.—1.25 mi. Contr. P-73, Prince George Co.—0.91 mi. Contr. F-105, Frederick Co.—0.46 mi. Contr. Wo-59, Worcester Co.—concrete shoulders, penetration macadam resurfacing 1.51 mi. Contr. M-109, Montgomery Co. J. N. Mackall, chn.

Md., Baltimore—July 25, by Bd. Awards grading 10,000 cu.yd. Contr. 473; sheet asphalt paving 9,700 sq.yd. Contr. 472. N. L. Smith, hys. engr.

Florida—July 31, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee, grading 8.47 mi. Rd. 42, Project 738, and 9.45 mi. Rd. 96, Project 820, both Jefferson Co. J. L. Cresap, state hy. engr.

Ala., Birmingham—July 24, by A. J. Hawkins, city engr., sheet asphalt or Warrenite bitulithic paving 7,000 sq.yd. 20th St., $26,150—6,850 sq.yd. Finely Ave. from 1st St. to 3rd Pl. W., $27,675—6,850 sq.yd. Finely Ave., from 3rd Pl. to 8th St. W. $31,300.

Ala., Birmingham — Aug. 14, by City Comn., 2 in. asphalt on 6 in. concrete paving 750 ft. Bush Blvd. Alley W., 5th Alley N., and 8th Court W., $5,010; 25 blocks 27th Ave. N., 77th and Pulaski Sts., $116,100. A. J. Hawkins, city engr.

Ala., Jasper—July 27, by Bd. Revenue Walker Co., concrete with concealed deformed metal joint, or limerock asphalt on black, concrete, and limerock base paving 1 mi. hy. J. R. Smith, Jasper, engr.

Ky., Fulton—July 23, by T. Chapman, city clk., concrete paving 39,325 yd. Dist. 3, grading, curbing, guttering, sewers, paving 23,023 sq.yd. Dist. 4 Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Ohio—July 27 by H. J. Kirk, dir. Hys. Columbus, grading, paving roads in Ashtabula, Athens, Butler, Cuyahoga, Delaware, Erie, Fayette, Guernsey, Hamilton, Huron, Holmes, Jefferson, Lucas, Mahoning, Medina, Portage, Richland, Tuscarawas and Wood Counties.

O., Cleveland—July 25, by City, paving Marine Ave. from West 117th to 122nd Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Newburgh Heights (br. Cleveland)—July 24, by Village, improving East 41st St. $34,000. R. Hecker, Leader Bldg., Cleveland, engr.

Ind., Anderson—Aug. 6, by Comrs. Madison Co., concrete paving 1 mi. James Madden Rd., Alexandria, 30 ft. $40,900. A. Steele, Anderson, engr.

Michigan — July 24, by R. W. Roberts, resident engr., Saginaw, graveling or waterbound macadam surface treated paving 3.011 mi. Assessment Dist. 469, 12 ft., Midland and Saginaw Counties, for State Hy. Dpt., Lansing.

Michigan — July 25, by G. H. Green, resident engr., Alpena, concrete paving 1.77 mi. MO16-16, C-1, 20 ft., Cheboygan Co., for State Hy. Dpt., Lansing. Noted May 31.

Michigan — July 25, by G. H. Green, resident engr., Alpena, graveling 5.938 mi. MO69-5, C-1, 18 ft., Otsego Co., for State Hy. Dpt., Lansing.

Michigan — July 25, by G. H. Green, resident engr., Alpena, concrete paving 1.803 mi. MO69-5, C-2 and MO5-14, 20 ft., Otsego and Antrim Counties, for State Hy. Dpt., Lansing.

Michigan — July 25, by H. G. Oakes, resident engr., Cadillac, concrete paving 1.201 mi. MO5-13, C-1, 20 ft., Antrim Co., for State Hy. Dpt., Lansing. Noted June 7.

Michigan — Aug. 1, by H. C. Fleming, resident engr., Grand Rapids, concrete paving, widening 1.131 mi. MO54-16, C-1, and MO54-17, C-1, 20 ft., Mecosta Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 8, at Office Village Clerk, Lainsburg, concrete paving, widening 1.549 mi. M076-20, C-1, 20 ft., Shiawasse Co., for State Hy. Dpt., Lansing, R. W. Roberts, Saginaw, resident engr.

Michigan—Aug. 9, at office Village Clerk, Woodland, concrete paving city widening 1.005 mi. MO8-18, C-2, 20 ft., Barry Co., for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, resident engr.

Michigan—Aug. 16, by R. R. Havens, resident engr., Jackson, concrete paving 3.823 mi. FO23-18, C-1, 20 ft., Eaton Co., for State Hy. Dpt., Lansing. Noted June 7.

Ill., Galesburg—See "Contracts Awarded."

Ill., Pana—See "Waterworks."

Ill., Princeton—See "Contracts Awarded."

Iowa—July 24, at office Auditor State Hy. Comn., Ames, **(P.R. means Primary Road)**, graveling 6.2 mi. P.R. 10, P-483, Bremer Co.—10 mi. P.R. 14, P-429 and 3.5 mi. P.R. 14, F-271, Floyd Co.—5 mi. P.R. 59, F-190, Howard Co.—13.5 mi. P.R. 9, P-82, Sects. A and B, Worth Co.—8.5 mi. P.R. 5, O-216-D, Worth Co.—9.5 mi. P.R. 15, F-267 and 2.6 mi. P.R. 15, P-387, Wright Co.—12 mi. P.R. 1, P-253, Washington Co.—9.5 mi. P.R. 1 and 77, P-220, Jefferson Co.—crushed stone surfacing 6 mi. P.R. 62, F-144 and crushed stone or gravel surfacing 4 mi. same road, Jackson Co.—grading, paving, flumes 30,692 sq.yd. U. S. Rd. 65, P-555-C, Worth Co.—4.055 mi. U. S. Rd. 63, F-216, Polk Co.—concrete riprap 2,865 sq.yd. P.R. 25 at Summit Lake, P-493, Union Co.—grading 4.163 mi. U. S. Rd. 63, P-89, Cerro Gordo Co.—4.273 mi. U. S. Rd. 69, P-588-B, Decatur Co.—6.483 mi. U. S. Rd. 34, P-512, Mills Co.—6.973 mi. U. S. Rd. 34, P-575-A, Montgomery Co.—7.049 mi. U. S. Rd. 55, O-177-F, Winneshiek Co.—9.053 mi. road 56, P-549-A, Clayton Co. R. F. White, hy. comr.

Ia., Osage—July 23, at office Auditor Mitchell Co., grading 18.76 mi. secondary roads.

Ia., Ottumwa—July 24, by E. J. Chambers, city clk., City Hall, 6 in. rein.-con. or gravel and limestone concrete paving

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Streets and Roads (Continued)

31,012 sy.yd. 15 streets. J. T. Brady, City Hall, engr. Noted June 7.

Kan., Meade—July 30, by W. M. Pressley, clk., Meade Co., grading, bridging 11.052 mi. Federal Aid Project 406-A, and 2.67 mi. Federal Aid Project 408-A, U. S. Rd. 54. H. L. Gilman, Court House, engr.

Kan., Meade—Aug. 6, by Clark Meade Co., grading, culverts, concrete paving 11.052 mi. Federal Aid Project 406-A, 30 ft. H. L. Gilman, Meade, engr.

Kan., Yates Center—Aug. 9, by Clerk Woodson Co., grading, culverts 6.22 mi. Federal Aid Project 367-C, 30 ft. H. O. Ashley, Yates Center, engr. Noted July 5.

Nebraska—July 25, by State Dept. P. Wks., State House, Lincoln (**F.A.P. means Federal Aid Project**) oiled gravel surfacing 1 mi. Chapman-Grand Island Rd., F.A.P. 303-A—1 mi. Havelock-Waverly Rd., F.A.P. 17—1 mi. Havelock-Ceresco Rd., F.A.P. 155-A—1 mi. Yutan-Wahoo Rd., F.A.P. 235-B—1 mi Scottsbluff-Bayard Rd., F.A.P. 236-B—rock asphalt surfacing 3.124 sq.yd. U.S. Hy. 75—graveling 6 mi. West Point-Pender Rd., F.A.P. 262-A. R. L. Cochran, hy. engr.

Arizona—July 30, by State Hy. Comn., Phoenix, grading 5.7 mi. Globe-Safford Hy., Federal Aid Project 87-C—grading, bridging, graveling 2.4 mi. Ash Fork-Flagstaff Hy., Federal Aid Project 89-B. W. C. Lefebvre, hy. engr.

Washington — July 31, by State Hy. Comn., Olympia, grading, crushed rock or gravel surfacing 1.2 mi. State Rd. 14, Federal Aid Project 168-A, Kitsap Co.—crushed gravel surfacing 17,450 cu.yd. State Road 9, Federal Aid Project 136-B, Jefferson Co.—clearing, grading, 4.6 mi. Asotin-Oregon State Line Rd., Anatone South, Anotin Co. S. J. Humes, hy. engr.

Wash., Seattle—Aug. 6, by Comrs. King Co., concrete paving 1.13 mi. Bellevue-Midlakes Rd., 20 ft. D. Evans, Seattle, co engr.

California—Aug. 1, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 6.3 mi. road between west boundary and Orange Hill School, Mariposa Co.; grading, oil treated, crushed gravel or stone surfacing 3.5 mi. road between San Francisco and South San Francisco, San Mateo Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., El Monte—B. B. Moore, city clk., taking bids curbing, walks, 4 in. asphalt concrete paving 376,895 sq.ft., and 5 and 7 in. concrete paving 88,445 sq.ft. A. and I. Impvt. 1. J. C. Ellis, city engr.

Calif., Red Bluff—Supervs. Tehama Co., bids about Aug 15, constructing 6 mi. road between Bend Dist. and Susanville-Red Bluff Hy. to replace ferry now operating over Sacramento River, 20 ft. $41,075. C. A. Luning, Red Bluff, co. engr.

Calif., San Diego—July 30, by Common Council, grading, curbing, 6 in. concrete paving 164,928 sq.ft. Soledad Ave., 181,087 sq.ft. Sampson St. H. W. Jorgensen, city engr.

Calif., San Diego—July 30, by Common Council, grading, curbing, sidewalks, 6 in. concrete paving 128,423 sq.ft. Juan St. H. W. Jorgensen, city engr.

Calif., South Pasadena—July 25, by City Trustees, curbing, guttering, walks, asphaltic concrete paving 252,495 sq.ft. El Centro St.

Calif., South San Francisco—D. Mc Sweeney, city clk., taking bids grading, curbing, asphalt concrete paving Grand, Chestnut and Commercial Sts. To exceed $25,000. G. A. Kneese, Court House, Redwood City, engr.

Ont., Niagara Falls—July 25, by H. H. Beam, secy. Niagara Falls Suburban Area Com., 968 Robert St., 3 in. asphaltic concrete paving 44,080 sq.yd. Stamford Twp., near here. $125,000. Ross & Scott, 89 Main St. E., Welland, engrs.

Ont., Toronto—July 24, by S. McBride, mayor, City Hall, asphalt paving Rusholme, St. Annes and Old Kings College Rds., grading Cardiff Rd., concrete curbing Burnaby Blvd., concrete sidewalks on Jedburgh Rd., Weatherell St. and 10 avenues. $40,000. R. C. Harris, City Hall, engr.

B. C., Vancouver—Bids about Aug. 14, paving. C. Brackenridge, City Hall, engr. $200,000 voted. Noted June 7.

Contracts Awarded

Me., Augusta—Hy. Dpt., City Hall, rein.-con. paving Lincoln St., to A. Susi, 12 Richfield St., Dorchester, Mass. $37,550.

Vermont — State Hy. Dpt., Montpelier, graveling 5.2 mi. hy. in Sharon and Hartford, to James & Kerr, Rumford, Me., $184,-599. Noted June 28.

Massachusetts—Dpt. P. Wks., Boston, bituminous macadam paving 2,400 ft. hy. in Burlington, to Kelsey Constr. Co., 161 Massachusetts Ave., Boston, $8,854—17,053 ft. Dighton and Taunton, and gravel, bituminous macadam paving 6,000 ft. Freetown, to C. E. Horne, Milbury, $113,171 and $13,-418 respectively. Grand total $135,443. Noted July 5.

Mass., Boston—Dpt. P. Wks., sheet asphalt or bitulithic paving Willow St., Ward 21, to C. Capone, 11 Hemlock St., Roxbury, est. $25,000; bitulithic paving Adamson St., Ward 22, to A. G. Tomasello, 250 Stuart St., $34,308. Noted June 28.

Mass., Boston—Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt paving streets in Wards 4 and 5, to B. E. Grant, 77 Floyd St., Roxbury, $28,229. Noted July 5.

Mass., Boston—Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt paving Cambridge St., Wards 21 and 22, to J. McCourt Co., 910 Huntington Ave., $82,455.

Mass., Brighton (sta. Boston) — Dpt. P. Wks., Boston, bituminous macadam paving Riverside Dr., Chestnut Hill Park, to J. McCourt Co., 910 Huntington Ave., Boston. $17,300. Est. $25,000. Noted June 28 under "Boston."

R. I., Cumberland—Street Dpt., concrete paving 4,788 sq.yd. to T. J. Quinn & Son, Ashton. $19,999. Est. $25,000.

New York—A. W. Brandt, comr. Hys., Albany, (**e. e. means engrs. est.**), concrete paving 4.92 mi. Montgomery Co., to E. S. Smith, 1315 Dudley Ave., Utica, $217,666 e. e. $277,313—5.46 mi. Jefferson Co., to C. Soper, Seneca Falls, $197,672 e. e. $276,-159—3.28 mi. Ontario and Steuben Counties, to Ingersoll & Barhite, Medina, $149,754 e. e. $208,455—3.59 mi. Wyoming Co., to Canty, O'Neal & Candell, Inc., 207 Woodward Ave., Buffalo, $169,493 e. e. $243,850—2.61 mi. Saratoga Co., to Westchester Constr. Co., Hyde Park, $168,478 e. e. $195,-535—two course concrete paving 0.86 mi. Erie Co., to Rossney Contg. Corp., 532 Colvin St., Buffalo, $132,363 e. e. $132,695—bituminous macadam paving Columbia Co., to C. T. Wilkinson, 52 Orton Pl., Buffalo, $145,348 e. e. $202,954—8.56 mi. Essex Co., to Sweeney & Boland, 39 State St., Rochester, $371,458 e. e. $528,793—graveling 5.52 mi. Rensselaer Co., to J. M. Murray, Cherry Plain, $29,780 e. e. $58,100. Grand total $1,582,013. Noted June 21.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, rein.-con. paving Southwestern Blvd., Part 4, G. M. S. 205, to Harrison Eng. & Constr. Corp., Ellicott Sq., $67,000; Union Rd. North, C.A.T.H., G.M.S. 202, to Meyer & Meyer Corp., 27 Transit Rd., Depew, $105,164. Noted June 21.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to Asphalt Constr. Co., 2197 Madison Ave., granite block paving St. Anns Ave., $81,781—to Meehan Paving & Constr. Co., 90 West St., granite block repaving Westchester Ave. $107,394—to St. George Paving Co., 415 Lexington Ave., Morris Ave. $110,670—to Ammana Contg. Co., 3206 Webster Ave., grading Eames Pl. $6,280—to I. F. Cavaluzzo, 1300 Cromwell Ave., Hone Ave., $4,830—to M. C. Selig Co., 44 Court St., Brooklyn, East 229th St., $7,292; curbing, walks Paulding Ave. $6,885; regarding Mulford Ave. $9,273. Grand total $334,405. Noted June 14.

New Jersey—Bd. Freeholders Hunterdon Co., Flemington, bituminous macadam paving 3.505 mi. Tewskbury Rd. between Califon and Pottersville, to Thompson & Drumm, Whitehouse, $70,804.

N. J., Hasbrouck Heights (Ind. br. Hackensack) — Boro Council, Municipal Bldg., curbing, 7½ in. bituminous macadam paving 40,000 sq.yd., Raymond St., Roosevelt, Cleveland, Division, Kepp, Central, Madison, Grove, La Salle, Ball and Alger Aves., to T. Adamwitz, East Patterson, curbing $2 per sq.yd., paving $1.67. Noted Apr. 12.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Town Hall, resetting curbing, 3 in. sheet asphalt on 6 in. concrete paving Salem Ave., to Loprete Asphalt Co., 432 Amherst St., East Orange, $101,090. Noted July 5.

N. J., Midland Park — Paving Collings, Forest, East Terrace, Central and Lincoln Aves., to Toriello & Sansone Constr. Co., 28 Essex St., Hackensack, $12,071; storm drains, to Midland Constr. & Contg. Co., Inc., Rochelle Park, $13,193. Noted July 5 under "Midland."

N. J., New Milford—Bd. Boro Council, Municipal Bldg., paving Harvard St. and Baldwin Ave., to W. Burns, Cresskill, $8,218 and $13,340, respectively—Berkeley St., to G. M. Brewster & Son, Fort Lee Rd., Bogota, $12,320. Grand total $33,878. Noted July 5.

N. J., New Milford—Bd. City Council, improving Charles St., to Ufheil Constr. Co., New Milford Rd., Ornadell, $27,219. Noted June 7.

N. J., North Bergen (Ind. br. Newark)—Twp. Com., Town Hall, paving Marks and Hillcrest Pls., to Clinton Asphalt Co., 16th St., Union City, $81,000. Noted July 12.

N. J., Somerville—Bd. Freeholders Somerset Co., Court House, 7 in. rein.-con. paving East Main St., to Collins & Maxwell, Easton, Pa., $77,824; East High St., to Utility Constr. Co., 5 Sring St., New Brunswick, $12,735. Noted May 17.

N. J., Union—Twp. Com., Town Hall, resetting curbing, 6 in. rein.-con. paving Park and Union Terraces, to Decker & Canning Co., Falls Bldg., Union Center, $17,-604. Noted June 21.

N. J., Union—Twp. Com., Town Hall, resetting curbing, 6 in. rein.-con. paving May St., Pleasant Parkway, Edison and Edmund Terraces, to Decker-Canning, Falls Bldg., Union Center, $34,698. Noted July 5.

N. J., Union—Twp. Comn., Town Hall, resetting curbing, 6 in. rein.-con., paving Lorraine Ave., and Midland Blvd., to Decker-Canning Co., Falls Bldg., Union Center, $40,283. Est. $43,000. Noted May 3.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 23,342 sq.yd. Indiana Co., and 37,600 sq.yd. Allegheny Co., to Yost Constr. Co., $96,559 and $182,447 respectively—14,100 sq.yd. Washington Co., to Hardy & Rankin, 40 Murdock St., Canonsburg, $68,903—grading, 13,400 cu.yd. Indiana Co., to H. C. Lacey, Beuna Vista, $18,451. Grand total $366,360. Noted May 31.

Pa., Emsworth (mail Pittsburgh)—General contract grading, paving Orchard Ave., Vista, Courtney and Pittsburgh Sts., to M. O'Herron Co., South 15th and McKean Sts., Pittsburgh. Est. $25,000.

Maryland—State Roads Comn., Baltimore, graveling 2 mi. St. Marys Co., to T. Mullan, 3945 Greenmount Ave., Baltimore, $20,446—concrete shoulders 1.93 mi. Washington Co., to Bester, Long Co., Hagerstown, $16,675—2.05 mi. Harford Co., to P. Reddington & Sons, 2 East Lexington St., Baltimore, $15,696—0.4 mi. Prince George Co., to M. Cain Co., 13 6th St. N. E., Wash., D. C., $2,986—concrete shoulders, macadam resurfacing 1.7 mi. Montgomery Co., to J. P. Maher, 4324—15th St. N. W., Wash., D. C., $21,440—penetration macadam paving 1 mi. Montgomery Co., to P. E. Russell, Frederick, $20,960 — bituminous concrete paving 3.7 mi. Howard Co., to J. L. Robertson Co., Montebello Ave., $45,889—2 mi. Montgomery Co., and 0.4 mi. Prince George Co., to Corson & Gruman Co., 33rd and K Sts., Wash., D. C., $23,034 and $3,885 respectively. Grand total $171,011. Noted June 21 and July 5.

Maryland—State Roads Comn., Baltimore, penetration macadam paving 1 mi. Montgomery Co., to P. E. Russell, Frederick, $30,446. Noted June 14.

Maryland—State Roads Comn., Baltimore, concrete paving 3.77 mi. Montgomery Co., to G. B. Mullin Co., 1296 Upshur St. N.W., Wash., D. C., $127,764—0.97 mi. Montgomery Co., to L. R. Colbert, Fredericksburg, Va., $21,998. Noted July 12.

Md., Baltimore—Bd. Awards, sheet asphalt paving 10,350 sq.yd. Contr. 468, to Amer. Paving Co., Montebello Ave., $48,675; grading 5,700 sq.yd., to W. A. Potts, New Amsterdam Bldg., $21,425. Noted June 28.

West Virginia—State Hy. Dpt., Charleston, grading 6.716 mi., Project 164-D, Hampshire Co., to Marrara & Albright, Kingwood, $84,926; grading 3.5 mi. Project 165, Monongalia Co., to E. L. Carvin, Charleston, $45,345.

W. Va., Charleston—Kanawha Co., concrete paving 1.72 mi. Beam-Indian Creek Rd., and 2 mi. Coopers Creek Rd., to Brown & Floyd, Charleston, $39,442 and $46,667 respectively 1.6 mi. Charleston-Bream Rd., to Harrison & Dean, Huntington, $40,196. Grand total $126,305.

South Carolina—State Hy. Dept., Columbia, concrete paving 10.284 mi. Cherokee Co., to Crowell Constr. Co., Statesville, N. C., $252,055. Noted Dec. 1.

Georgia—State Hy. Bd., East Point, concrete paving 50 mi. Hy. 1 between Swainsboro and Altamaha River, to Whitley Constr. Co., La Grange, $900,000—asphalt on limerock paving 10 mi. hy. between Macon and Grays, to Campnell Constr. Co., Columbus, $150,000.

La., Cresco—Howard Co., graveling 9.5 mi. road, to R. Larson, Stewartville, and M. O. Weaver, Iowa Falls.

Ky., Hardinsburg — Grading, rein.-con. paving 14,068 sq.yd. Court Pl., Owensboro Ave., Depot and Main Sts., to Andrews Asphalt Paving Co., Inter-Southern Bldg., Louisville, $42,670.

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Streets and Roads (Continued)

Ky., Princeton—Paving 25,000 sq.yd., to C. Hart, Boonville, Ind.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete paving 5.181 mi. Columbiana Co., to Lewis & Copeland, Lima, $137,371—1.186 mi. Stark Co., to Laughlin Coal & Builders Supply Co., 223 Park Ave. N.W., Canton, $33,026—3 in. brick paving 1.675 mi. Stark Co., to General Asphalt Paving Co., Witters Bldg., Canton, $94,318—3 in. brick paving Trumbull Co., to V. Olsen Co., Youngstown, $83,379—furnishing, delivering brick on same contract to Dept. Welfare, Columbus, $31,805. Grand total $400,499. Noted June 21.

O., Akron—Summit Co., grading, 9-7-9 in. concrete repaving 21,500 sq.yd. Hudson-Cleveland Rd. C.H. 25, Sect. C, to Hollinger & Davidson, 85 East Thornton St., $61,163 (slag). Est. $68,000.

O., Cincinnati—Grading, curbing, concrete repaving 5,200 sq.yd. May St., to Sullivan Bros. Paving Co., 201 Gerke Bldg., $22,757 est. $26,088, 30,500 sq.yd. Delta Ave., to Andrews Asphalt Paving Co., 308 Eagles Saving Bldg. $108,556 est. $125,387; curbing, sidewalks, 17,500 sq.yd. sheet asphalt and 7,000 sq.yd. concrete repaving Reading Rd., to General Asphalt Paving Co., Witters Bldg., Canton, $76,077 est. $90,543. Grand total $207,390. Noted June 7.

O., Cincinnati—Hamilton Co., grading, asphaltic macadam repaving 18,200 sq.yd. Springdale Rd., to C. Dumford, Newtonsville, $41,270. Est. $53,290.

O., Cincinnati—Hamilton Co., grading, asphalt bound macadam repaving 17,500 sq.yd. Pippin Rd., to J. S. Slone, 2312 Mound Ave., Norwood, $50,355. Est. $61,-235. Noted June 14.

O., Columbus—Comrs. Franklin Co., R. Donnally clk., grading, waterbound macadam paving 2.77 mi. Georgesville and Wrightsville Rd., in Pleasant and other Twps., to Neff & Rader, Circleville, $48,883. Noted June 21.

O., Euclid (br. Cleveland)—To Gould & Maybach, 16311 Saranec Rd., Cleveland, vibrated concrete paving East 230th St. $6,626; brick paving East 238th St. $21,092, East 246th St. $23,161, asphalt concrete paving Arms Ave. $10,463. Grand total $61,342.

O., Fairview (br. Cleveland)—Paving Stanford and Belvidere Aves., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $23,143 and $18,619 respectively.

O., Lakewood (br. Cleveland)—To Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, asphaltic concrete paving Atkins Ave. $10,067; Woodward Ave. $7,-307; Seneca Ave. $12,532; Edgewater Dr. $4,659. Grand total $34,565. Noted June 28.

O., South Euclid (br. Cleveland)—Asphaltic concrete paving 4 streets, to Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, $109,489. Noted June 21.

O., Steubenville—Jefferson Co., widening, traffic bound paving Irondale Narrows and Irondale Hill, to Stringer & Stringer, Rayland, $26,720. Noted June 21.

Indiana—J. D. Williams, dir. State Hy. Dpt., Indianapolis, concrete paving 0.155 mi. State Rd. 30, Lake Co., to Reith-Riley Constr. Co., Goshen, $28,153.

Ind., Anderson—Madison Co., concrete paving 1½ mi. Fesler Rd., 18 ft., to W. C. Halstead Co., 1041 West 25th St., Indianapolis, $34,700. Est. $38,000. Noted June 28.

Ind., Chesterton—Concrete paving Graessel Rd., to G. McGillicuddy, Valpariaso, $38,261.

Ind., Hammond—Comrs. Lake Co., concrete paving Sanil Abalman Rd., to East Chicago Constr. Co., East Chicago, $135,865 est. $137,000; Thos. H. Cannan Rd. 1, to M. D. Heiny, Gary, $142,317. Est. $143,655.

Ind., Hammond—Lake Co., concrete paving Thos. H. Cannon Rd., 2, to M. D. Heiny, Gary, $68,000. Est. $69,995.

Michigan—R. A. Beers, resident engr., Kalamazoo, concrete paving 4.889 mi. MO3-17, C-1, 20 ft., Allegan Co., to Remus Constr. Co., Bay City, for State Hy. Dpt., Lansing, $153,283. Noted May 17.

Michigan—C. H. Brown, resident engr., 14380 Wyoming Ave., Highland Park, graveling 0.753 mi., and concrete paving 6.046 mi. Assessment Dist. Rd. 462, Sect. A. 20 and 30 ft., Oakland and Macimb Counties, to Meredith & McVaugh, Detroit, $180,954. Noted June 7.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 1.916 mi. MO41-15, C-2, 20 ft., Kent Co., to L. W. Edison, Howard City, for State Hy. Dpt., Lansing. $66,665. Noted May 24.

Michigan—R. R. Havens, resident engr., Jackson, concrete paving 2.665 mi. MO19-13, C-1 and MO23-2, C-1, 20 ft., Clinton and Eaton Counties, to Whitlow & Hobeck, South Haven, for State Hy. Dpt., Lansing, $79,543. Noted June 7.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 4.708 mi. MO76-11, C-1, 20 ft., Shiawassee Co., to C. C. Miline, Saginaw, for State Hy. Dpt., Lansing. $148,239. Noted May 24.

Michigan—State Hy. Dpt., Lansing, sheet asphalt paving 7.069 mi. MO5-3, C-2, 20 ft., Antrim Co., to State Constr. Division, Lansing. A. L. Burridge, Cadillac, supt., $129,258.

Mich., Detroit—Wayne Co., concrete paving 13,000 sq.yd. Outer Dr., to Julius Porath & Sons, 903 Transportation Bldg. Est. $50,000.

Mich., Monroe—W. Heiss, chn. Monroe Co. Road Comn., one course 8 in. concrete paving 4.59 mi. Harpst Rd., to W. H. Knapp Constr. Co., Monroe, $104,420; 8 in. concrete paving 5.2 mi. Cole Rd., to M. Rabbitt & Sons, 1026 Water St., Toledo, O., $109,347. Noted June 28.

Mich., Port Huron—One course 8 in. concrete paving 40,000 sq.yd., to J. H. Baker & Sons, Port Huron, $120,810. Noted July 5.

Ill., Alton—Concrete paving Green, Putnam, Gold and Silver Sts., to J. B. Miller, 519 Belle St., $28,208. Noted Mar. 29.

Ill., Belleville—Rein.-con. paving 21,702 sq.yd. 4 streets, to Hoeffken Bros., 222 West B St., $62,498; 6,054 sq.yd. 2 streets, to A. P. Poirot, 721 East Washington St., $6,054.

Ill., Galesburg—Knox Co. Hy. Dept., grade 2 mi. S. A. Rd., 20 ft., day labor. $25,000. A. R. Smith, Court House, engr.

Ill., Peoria—Grading, curbing, 7 in. rein.-con. paving 13 blocks 1 alley, Ellis and North Sts., Hanssler Pl., Gilbert, Molchin and West Carrington Aves., to E. Lehmann, Lehmann Bldg. Est. $44,057.

Ill., Peoria — Grading, 7 in. rein.-con. paving 12 blocks alley, West Wilcox, Wisconsin, Melbourne and California Aves., to McElwee & Rogy, 926 South Adams St. Est. $42,792. Noted Mar. 8.

Ill., Princeton—Bureau Co. gravel 5 mi. 15-D Rd., 16 ft., day labor. R. L. Schoenberger, Princeton, engr. Noted Mar. 17, 1927.

Wisconsin — State Hy. Comn., and Sheboygan Co. Hy. Comn., Court House, Sheboygan, 20 ft. concrete paving 6.32 mi. Project 346-C, to Christ Johnson, Oshkosh, $108,698. Noted June 14.

Wis., Madison—Dane Co. Hy. Comn., J. R. Caldwell, comr., concrete paving 0.296 mi. Glenway Rd., to J. Icke, Madison, $6,496; graveling 1.6 mi. County Trunk G, Town of Springfield, to O. J. Hanna, Mt. Horeb, $10,373, 1.624 mi. Town of Vermont, to W. J. Lathers, Jr., Madison, $6,384, 6.5 mi. Town of Windsor, to G. Hughes, Livingston, $7,293, 3.75 mi. Town of York, and 6,650 cu.yd. other roads, to Berg & Thorpe, Cambridge, $1,725 and $8,765 respectively, 3.75 mi. Town of Vienna, to A. W. Gallagher, R. F. D. 5, Madison, $4,770; concrete culvert, to O. Nelson, Stoughton, $748. Grand total $46,554.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Bartel & Maurer Co., 925 Muskego Ave., grading alley between Quincy and Taylor Sts. $16,360—to A. E. Retzlaff, 868 Island Ave., concrete paving Appleton Ave. $31,197; Girard Ave. $18,543; St. Paul Ave. $3,804—to H. R. Houtkamp, Milwaukee, Burnham St. $173; 37th Ave. $117—to J. C. Bluhm & Son, 1299 Achilles Ave., 8th St. $4,873; Nash St. $8,469—to Gumz & Switalski, 831-13th Ave., 11th Ave. $32,727, Forest Home Ave. $9,823—to Schwerm Bros., 50 Lee St., Hawley Rd. $278—to W. F. Hunt, 445 Milwaukee St., Lapham St. $4,558; Sherman Blvd. $31,541; 32nd Ave. $27,482—to Czerwinski Constr. Co., 816 Clinton St., Oklahoma Ave. $29,-437; Winton Dr. $6,356—to N. Harris, Girard and St. Albion Sts., South Prospect Ave. $3,936—to Eastern Constr. Co., 878 Franklin Rd., Clinton St. $2,539. Grand total $232,213.

Iowa—State Hy. Comn., Ames, grading, paving 35,284 sq.yd. Dubuque Co., to Ulrich-Paley Co., Dubuque, $77,781—227,882 sq.yd. Howard Co., to Metz Constr. Co., Springfield, Neb., $526,088 — 50,326 sq.yd. Warren Co., to Des Moines Asphalt Paving Co., 2nd and New York Sts., Des Moines, $121,293—grading, culverts 24.422 mi. Jackson Co. to Shirley-Caldwell Co., 315 Union State Bank Bldg., Omaha, Neb., $134,307—9.723 mi. Pottawatomie Co., to E. J. Wilson, Omaha, Neb., $58,972—graveling 1.36 mi. Harrison Co., to Lynch & Co., Castana, $3,375—38 mi. Plymouth Co., to H. R. Maudlin, Nevada, $52.498—5,200 ft. guard rail on U. S. 61, Des Moines Co., to G. Cronkhite, Perry, $1,086—3,175 ft. guard rail on Primary Roads 15 and 60 and 1,025 ft. on U. S. Rd. 20, Hamilton Co., to Hirt & Loder, Jewell, $1,452. Grand total $976,852. Noted July 5.

Ia., Algona — Kossuth Co., graveling 19 mi. Secondary Projects 67, 94, 95, 97, 103, 104 and 109, also maintenance graveling sections secondary roads, to W. B. Williams, Algona, W. D. Knoll, Buffalo Center, J. W. Donnelly, Gilmore City, R. Cook, Nevada, and W. D. Woods, Prairie du Chien, Wis.

Ia., Cedar Rapids—To Haegg Constr. Co., 1105-12th Ave. W., rein.-con. paving 5,730 sq.yd. G Ave. $13,197—to Ford Paving Co., Merchants Natl. Bank Bldg., 1,733 sq.yd. 26th St. $4,099; concrete paving alleys $6,-055; curbing, guttering H and D Aves. $2,432. Grand total $25,783.

Ia., Cresco—Howard Co., graveling 9.5 mi. roads, to R. Larson, Stewartville, Minn., and M. O. Weaver, Iowa Falls. Noted June 7.

Ia., Dakota City—Humboldt Co., to D. Paul, Ft. Dodge, improving secondary roads, 8,500 cu.yd. gravel at $0.22 per cu. yd., 56,750 units overhaul $0.06, 3,400 cu.yd. stripping $0.12; to G. W. Little, Humboldt, 10,000 cu.yd. earth excav. $0.217, 260 ft. 12 in. pipe $0.30, 120 ft. 15 in. pipe $0.35, 3,617 yd. overhaul $.02, loose rock excav. $1.

Ia., Ft. Dodge—Webster Co., graveling 11.67 mi. secondary roads, to M. Munson, Boone, and H. Miller, Hartley. Noted June 7.

Ia., Knoxville—Marion Co., to D. Kraus, Pleasantville, improving secondary roads, 30,000 cu.yd. earth excav. at $0.25 and $0.26 per cu.yd., 20 cu.yd. loose rock $1, and 20 cu.yd. solid rock $2; to E. McDonald, Albia, 22,100 cu.yd. earth $0.259, 10 cu.yd. loose rock $1.25, 10 cu.yd. solid rock $2.50; to H. Whittmer, Monroe, 1,900 cu.yd. earth $0.24, 10 cu.yd. loose rock $0.90. Noted June 7.

Ia., Newton—Jasper Co., to R. W. Herbert, Marshalltown, improving Reasoner-Galesburg Co. Rd., 58,300 cu.yd. excav. at $0.228 per cu.yd., 200 cu.yd. rock excav., $0.50. Noted June 21.

Ia., Orange City—Sioux Co., to Lynch & Co., improving secondary roads, 16,272 cu.yd. earth excav. at $0.23 per cu.yd., 3,422 units overhaul $0.02; to C. W. McNamara, Sioux Falls, S. D., 21,621 cu.yd. excav. $0.20, 255 ft. 18 in. culvert labor $0.15 per ft., 124 ft. 24 in. $0.25, loose and solid rock $1 and $2. Noted May 24.

Ia., Sigourney—Keokuk Co., to Swanson Constr. Co., Keokuk, grading 5.155 mi. South English-Kinross Rd., 51,118 cu.yd. earth excav. at $0.2475 per cu.yd., 22,353 cu.yd. overhaul $0.02, 914 ft. 15 in. and 18 in. culvert pipe hauled and placed $0.30 and 40 ft. 24 in. $0.40.

Ia., Sioux City—Woodbury Co., to E. V. Martin, Ames, grading 6.33 mi. Oto-Luton Rd., 127,605 cu.yd. earth excav. $0.184, 108,358 units overhaul $0.02, clearing, grubbing $2,180. Noted June 21.

Ia., Spencer—Clay Co., graveling 44 mi. primary and secondary roads, to Heldt & Mills, Everly, and W. D. Ferguson, Paton.

Ia., Storm Lake—Buena Vista Co., to Sampson Bros. Constr. Co., Algona, improving 12 mi. Project 8-A1, 5,850 cu.yd. gravel at $0.30 per cu.yd., 16,650 units overhaul $0.07, 21,950 units $0.65, 2,000 cu.yd. stripping $0.18; to Hartsell & Evans, Early, 1,750 cu.yd. gravel $0.39, 11,175 units $0.075, 450 cu.yd. stripping $0.18.

Ia., Toledo—Tama Co., to G. H. Love, Slayton, Minn., grading 8.75 mi. Clutier Rd., 90,500 cu.yd. earth excav. at $0.223 per cu. yd., 2,104 cu.yd. channel excav. $0.30, 272 cu.yd. rock excav. $0.25, 50,000 units overhaul $0.02, 2,000 ft. culvert pipe $0.05, clearing $1,000.

Ia., Vinton—Benton Co., improving 27.75 mi. secondary roads, crushed rock surfacing, to McDougal Constr. Co., Sioux City, gravel surfacing, to L. H. Holscher, Victor, and Beu & Sons, Sumner; grading 1 mi. road west of Keystone, to G. Longerbone, South West 15th and Market Sts., Des Moines.

Ia., Winfield—Curbing, guttering, 6½ or 7 in. vibrolithic concrete paving 38,244 sq.yd., to P. P. Smith, 1600 Washington Ave., Cedar Rapids, $92,802. Noted June 7.

Minn., St. Paul — K. L. Fieseler, city purch. agt., grading 19,210 cu.yd., rein.-con. paving 11,647 sq.yd. Como and River Blvds., to Garrick Bros., 779 Portland Ave., $42,500.

Minn., Shakopee—A. J. Meyer, aud. Scott Co., improving Job 2803, grading 90,000 cu.yd., to J. J. & M. S. Mergens, 400 Gateway Bank Bldg., Minneapolis, $20,889; 5 monolithic culverts, to B. Zachor, Shakopee, $8,298; 6 portable culverts, to Elk River Concrete Products Co., Elk River, $3,893. Grand total $33,080. Noted May 17.

Minn., Virginia—Repaving 12 blocks 3rd Ave., to C. A. Johnson, Virginia, $52,000.

Kan., Council Grove—Morris Co., grading, culverts 4.932 mi. 50N-25-Federal Aid Project 257-E, to Meade-Hardman, Alton, $30,-165. Noted June 21.

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Streets and Roads (Continued)

Kan., Girard—Crawford Co., grading, chat surfacing Hepler-Short Line Hy., to Carter & O'Brien, St. Paul, $27,576.

Kan., Lawrence—F. L. Lawrence, city clk., curbing, guttering, 6 and 7 in. concrete paving 18,465 sq.yd., to Geiger & Rutherford, Leavenworth, $49,952. Noted June 21.

Kan., Seneca—Clerk Nemaha Co., grading, culverts 5.612 mi. Project 9-25-Kansas 592, to Interstate Constr. Co., Fairbury, Neb., $35,786. Noted June 7.

South Dakota—State Hy. Comn., Pierre, grading 5.225 mi. Project 218-B, Jackson Co., to N. W. Engineering Co., Kadoka $51,213—11.346 mi. Project 231-A, Stanley Co., to G. W. England & Son, Murdo $45,882—graveling 14.989 cu.yd. Project 194-A, Hand Co., to E. J. Maloney, Madison $21,948—bridge on Project 231-A, Stanley Co., to W. H. Pringle, Pierre $14,077. Grand total $133,120. Noted Apr. 19.

N. D., Minot—G. A. Reishus, city aud., paving 38 blocks, to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, Minn. Est. $133,312. Noted July 12.

Wyoming—State Hy. Comn., Cheyenne (**F.A.P. means Federal Aid Project**), grading F.A.P. 184-B, Lincoln Co. to C. A. Robinson, Lava Hot Springs, $34,692—F.A.P. 198-A, Goshen Co., to Peterson, Shirley & Gunther, 1411 Woodmen of the World Bldg., Omaha, Neb., $60,667—F.A.P. 189-B, Johnson Co., to A. C. Smith, Scotts Bluff, Neb., $65,647—State Project 721, to J. Tobin Constr. Co., Madison, S. D., $27,258—F.A.P. 162-A, Freemont Co., to Scott & Curley, Sterling, Colo., $92,366—bridges F.A.P. 198-A, Goshen Co., to C. A. Neil, Plattville, Colo., $27,350. Grand total $307,921. Noted May 24.

Mo., Joplin—Bituminous on present brick repaving, 16,500 sq.yd. Main St., to Granite Bituminous Paving Co., 1618 Main St. Noted June 24.

Mo., Kansas City—Grading, concrete paving Winner Rd. from Blue Ridge to Van Horn Rds., to J. Spitcaufsky, 2452 Benton Blvd., $41,970.

Mo., St. Louis—Bd. P. Serv., City Hall, to Skrainka Constr. Co., Security Bldg., vibrolithic concrete paving 5,000 sq.yd. Darby Ave. $22,633, to Alfred Lewald, Inc., 6025 West Cabanne Ave., 1,830 sq.yd. Steffens St. $10,094, 2,205 sq.yd. 37th St. $10,130; to Trinidad Mfg. Co., 600 South Theresa Ave., asphalt paving 6,200 sq.yd. Watson Rd. $39,995, to M. L. Flinn Paving Co., 728 South Theresa Ave., 7,680 sq.yd. Southwest Ave. $46,659; to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 7,660 sq.yd. Southwest Ave. $53,915, 4,100 sq.yd. Taylor Ave. $18,740; to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving 870 sq.yd. Lena Ave. $4,983. Noted July 12.

Ark., Prescott—Bd. Comrs. Impvt. Dist. 5, J. S. Hesterly, chn., grading, 6 in. rein.-con., paving 19,000 sq.yd., to Arkansas General Contg. Co., Prescott, $59,893. Noted June 14.

Texas—State Hy. Dpt., Austin, concrete paving 7.552 mi. Falls Co., to R. W. Briggs & Co., Pharr, $163,383, est. $144,000—concrete or brick on concrete paving 7.858 mi. Taylor, Callahan and Jones Counties, to Thurber Constr. Co., Boxx 835, Ft. Worth, $188,573, est. $216,000—grading 8.516 mi. Montgomery Co., to Hannah Constr. Co., Box 994, Waco, $39,752, est. $30,600. Grand total $391,708.

Tex., Brownsville—Cameron Co., to F. P. McElwrath, Harlingen, concrete paving 7.2 mi. Southwest Rd. $143,670, 8 mi. A-13 Combes-Santa Rosa and Santa Rosa West Rds. $156,649, 9.4 mi. Military Rd. $202,682, 5 mi. A-12 south line Wilson Tract Rd. $94,741, 2.5 mi. A-11 Briggs Rd. $50,485, 4 mi. A-9 Peredes Line Rd. $46,963, and 4 mi. A-8 Old Alice Rd. $46,963; to Dodds & Wedegartner, Box 858, San Benito, 6.7 mi. A-10 Blue Town and Military Rds. $133,544. Grand total $875,707. Noted June 21.

Tex., Kermit—Winkler Co., 1½ in. sheet asphalt paving 12 mi. hy., to L. W. Phelphrey & Co., Breckenridge, $426,163. Noted June 21.

Tex., Laredo—Webb Co., grading, calicheon gravel paving 12½ mi. hy., to H. B. Zachary, Laredo, $90,000.

Tex., Raymondville—Willacy Co., c/o A. B. Crane, judge, 1 in. limestone rock asphalt on concrete paving 14.6 mi., to F. P. McElwrath & Son, Corsicana, $336,242. Est. $350,000. Noted June 14.

Okla., Ada—Grading, 6 in. concrete paving 9,875 sq.yd. 16th and 17th Aves., to Chilcutt & Fry Bros., Ada, $32,460. Est. $33,000. Noted April 12.

Okla., Cement—Grading, concrete paving 10,000 sq.yd. Main St., to Highway Constr. Co., Kennedy Bldg., Tulsa, $32,947. Est. $33,810. Noted June 28.

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Okla., Enid—Grading, concrete paving 9,610 sq.yd. East, Oklahoma and Lake View Sts., to Asplund Constr. Co., Masonic Bldg., $28,462. Est. $31,478.

Okla., Oklahoma City—Oklahoma Co., to Maney & Alley, Empire Bldg., graveling 9,600 cu.yd. West 10th Street Rd., $48,911, est. $55,000—to Green-Boots Co., 519½ West Main St., 11,800 cu.yd. West Edmond Rd., $67,507, est. $75,000; 3,200 cu.yd. North Eastern Avenue Rd., $23,646 est. $25,000; 3,100 cu.yd. East 63rd Street Rd. $23,511 est. $26,000; 16,300 cu.yd. East Avenue G Rd., $57,076 est. $65,000; 39,300 cu.yd. East G Avenue Rd., $24,544 est. $30,000. Grand total $245,195.

Okla., Shawnee—Grading, sheet asphalt paving 16,100 sq.yd. North Union Ave., to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $68,345. Est. $70,000.

Okla., Tulsa—Grading, sheet asphalt paving 7,600 sq.yd. Independence St., to H. L. Cannady & Co., 1122 South Lewis St., $30,223, est. $34,000; grading, concrete paving 11,670 sq.yd. Zuler St., to Porter Constr. Co., 114 West 3rd St., $30,660 est. $35,000.

Colorado—State Hy. Dept., Denver, concrete paving 5.087 mi. Project 287-A, Constr. Div. 4, Morgan Co., to E. Selander, Ft. Morgan, $120,506—gravel surfacing 4.502 mi. Project 253-C, Routt Co., to Mountain States Constr. Co., Pueblo, $88,108. Noted May 10.

Idaho—Dpt. P. Wks., Boise, screened gravel surfacing 7 mi. Caribou Co., to Quinn Bros. & Robbins, Horseshoe Bend, $17,301—crushed gravel surfacing 10.18 mi. Clark Co., to Duffy Reed, Twin Falls, $9,667—4.393 mi. Bannock Co., to Allsop & Pond, Grace, $11,885. Grand total $34,853.

Idaho—Dept. P. Wks., Boise, grading, crushed rock surfacing 5.172 mi. Latah Co., to C. Nyberg, 407 Realty Bldg., Spokane, Wash., $36,223.

Idaho—State Hy. Comn., Boise, crushed graveling 5,940 cu.yd. State Aid Project 110-B, Franklin Co., to Allsop & Pond, Grace, $23,930—grading 8.276 mi. Project 132-A, Jefferson Co., to E. Drummie, Downey, $11,723.

Idaho—J. D. Wood, comr. Dpt. P. Wks., at office Dist. Engineer, Bureau of Hys., Coeur d'Alene, crushed rock surfacing 7.272 mi. Federal Aid Project 101-B, Benewah and Kootenai Counties, to C. Nyberg, Realty Bldg., Spokane, Wash., $68,723—5.801 mi. State Project 31-B, Kootenai Co., to Crick & Kuney, 402 Realty Bldg., Spokane, Wash., $51,764.

Arizona—State Hy. Comn., Phoenix, grading, constructing steel, concrete bridge 7.5 mi. Federal Aid Project 79-D, Schedule 2, to H. H. Johnston, San Diego, Calif., $70,036. Noted June 7.

Washington—State Hy. Comn., Olympia, grading 2.06 mi. Project 167-B, Wahkiakum Co., to John Slotte & Co., Astoria, Ore., $102,960.

Washington—State Hy. Comn., Olympia, concrete paving 0.39 mi. Pierce Co., to Albertson, Cornell Bros., Walsh, Inc., 1113½ "A" St., Tacoma, $16,046—crushed rock resurfacing 10,000 cu.yd. Stevens Co., to Rock Constr. Co., Courtney Bldg., Tacoma, $14,900—crushed rock surfacing 2,530 cu.yd. Wahkiakum Co., to Brookfield Quarry & Towage Co., 32nd St. and Waterfront, Astoria, Ore., $14,945—crushed graveling 5,550 cu.yd. Whatcom Co., to R. L. Rowland, P. O. Box 63, Seattle, $7,418. Grand total $53,309. Noted June 14.

Washington—Pierce Co., grading, graveling Steilacoom-DuPont Hy., to Edland & Burger, Tacoma, $28,005. Est. $22,655.

Wash., Aberdeen—Concrete paving 20 blocks Terrace Heights Dist., to Monarch Constr. Co., Aberdeen, $54,327. Est. $60,000.

Wash., Seattle—Bd. P. Wks., paving 13,660 sq.yd. East 75th St., to Erickson Paving Co., Henry Bldg., $38,118; 80,610 sq.yd. 45th Ave. S.W., to S. A. Moceri, Inc., 924 23rd Ave., centrifugal cast, $196,222.

Wash., Seattle—King Co., grading, graveling 45,000 cu.yd. Stillwater-Snohomish Co. line Rd., to Espeland & Hauge, Seattle, $26,900. Est. $27,000. Noted June 19.

California—State Hy. Comn. Sacramento, grading, concrete paving 11.6 mi. Ventura Co., to Jahn & Bressi Constr. Co., 724 South Spring St., Los Angeles, $468,325; grading 7.2 mi. San Diego Co., to Hauser Constr. Co., Security Bldg., Long Beach, $237,626. Noted July 19.

Calif., La Mesa—Bd. City Trustees, improving Allison and other streets, to R. E. Hazard Contg. Co., 2548 Kettner St., $61,216. Noted June 28.

Calif., Los Angeles—Grading, curbing, guttering, concrete, Willite paving, Estrada and Concord Sts., Impvt. Dist., to G. H. Oswald, 366 East 58th St., $62,435. Noted June 28.

Calif., Los Angeles—Concrete paving, sewers in Rock Glen and Delaware Ave., Sewer & Drainage Dist., to Simonovich & Prlich, 1251½ Sunset Blvd., $38,245.

Calif., Los Angeles—Grading, curbing, walks, 6 and 8 in. vibrolithic concrete paving 111,955 sq.ft. Pomona Blvd., A. & P. Sts., to J. E. Haddock, 357 North Chester Ave., Pasadena, $47,820; disintegrated rock base paving La Brea Ave., Impvt. 72[illegible], to H. M. Baruch Corp., Lincoln Bldg., $[illegible],025. Noted June 7.

Calif., Los Angeles—Grading, 4 and 6 in. asphaltic concrete paving Clybourn Ave., to Gibbons & Reed Co., 2022 Glendale Blvd., $18,812; grading, 6 in. concrete paving [illegible] St., to G. R. Curtis Paving Co., 2440 East 26th St., $11,391.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, 4 in. disintegrated rock with oil and rock surfacing 261,[illegible] sq.ft. Pine Ave., Impvt. 584, to V. Kovacevich, 1553 Loma Ave., Long Beach, $57,[illegible]16.

Calif., Oakland—Alameda Co. concrete paving inside Estuary Tube, to A. F. Anderson, 1093 Longride Rd., $33,992; asphalt on concrete surfacing Harrison St. between 6th St. and Estuary Tube, to Oakland Paving Co., 5000 Bway, $34,219.

Calif., Redlands—Curbing, guttering, macadam paving West Cypress Ave., to Pearson & Dickerson, P.O. Box 325, Riverside, $25,641.

Calif., Redwood City—Grading, asphaltic concrete paving Hazel Ave., to Peninsula Paving Co., Standard Oil Bldg., San Francisco, $57,887. Noted June 21.

Calif., San Bernardino—Grading, curbing, walks, concrete paving G St., between Highway Ave. and 34th St., grading, 5 in. concrete paving D St. between 24th and city limits, to G. Herz & Co., 456 E St., $54,735 and $82,335 respectively.

Calif., San Diego—Improving Union and other streets, to H. L. MacBeane, 4317 Hart St., $31,314. Noted June 21.

Calif., San Diego—Common Council, grading, 6 in. asphaltic concrete paving 102,297 sq.ft. Hamilton St., to G. R. Daley, 4430 Boundary St., $19,377. Noted June 14.

Calif., San Francisco—Grading, art stone, walks, asphaltic concrete paving Santiago Ave., to Municipal Constr. Co., Call Bldg., $24,741.

Calif., San Gabriel—Curbing, walks, 2 in. warrenite on 4 in. asphaltic concrete paving 680,000 sq.yd. Del Mar Ave., to Hall-Johnson, 905 Westminster Ave., Alhambra, $165,845.

Calif., San Jose—Grading, asphaltic concrete paving Stockton Ave., to A. J. Raisch, 46 Kearny St., San Francisco, $46,100.

Calif., San Rafael—Marin Co., grading road from foot of Carson Hill to Salmon Creek Rd., and road from Hicks Valley to Wilson Hill, to Crescent Grading Co., 2528 Taraval St., San Francisco, $10,218 and $14,817 respectively.

Calif., Santa Ana—Orange Co., curbing, walks, concrete paving Monroe and Jefferson Sts. (Midway City Dist.), to Union Concrete Pipe Co., Orange, $28,930.

Ont., Bowmanville—Concrete curbing, guttering, concrete paving 20,000 sq.yd. 4 streets, to Towland Constr. Co., Guelph, $46,000. Est. $50,000.

Ont., Bracebridge—Council, 2½ in. asphalt on 6 in. concrete paving 24,500 sq.yd. Manitoba and Shier Sts., to Ontario Amiesite Ltd., Spadina Ave. and Fleet St., Toronto, $90,032.

Ont., Bridgeburg—A. S. Jackson, town clk., concrete curbing, guttering, sheet asphalt paving 6,500 sq.yd. Highland Ave., to Godson Contg. Co., 203 Richmond St. W., Toronto, $35,162. Est. $30,000.

Ont., Chatham—W. D. Colby, engr., Harrison Hall, asphaltic macadam paving 30,000 sq.yd. roads, to Merlo, Merlo & Ray, Sandwich St., Ford City, for Kent Co. Est. $90,000. Noted May 3.

Ont., Fonthill—A. M. Clark, town clk., asphaltic macadam paving 16,000 sq.yd. Canboro and South Pelham Rds., to Brennan Paving Co. Ltd., 400 Gage Ave. N., Hamilton, $43,982. Est. $45,000. Noted June 14.

Ont., Fort William—For 175,000 sq.ft. concrete sidewalks, to J. J. Flanagan, 300 Brodie St. S., $37,490.

Ont., Haileybury—Asphalt paving Rorke Ave., to Warren Bituminous Paving Co. of Ontario Ltd., 54 University Ave., Toronto, $70,000. Noted July 5.

Ont., Haileybury—Concrete curbing, guttering, asphalt, concrete bitulithic 1½ mi. Main St., Lake Shore Rd. and Ferguson Ave., to Warren Bituminous Paving Co. of Ontario Ltd., 54 University Ave., Toronto, $75,000. Noted July 19.

Streets and Roads (Continued)

Ont., New Toronto—Concrete curbing, guttering, concrete paving 12,000 sq.yd. New Toronto St., to R. C. Huffman Constr. Co., 331 Bay St., Toronto, $40,490. Est. $46,000.

Ont., New Toronto — Concrete curbing, guttering, concrete, asphalt on concrete paving 2nd, 3rd, 7th and 10th Sts., to Lawes Constr. Co., Browns Bldg., $65,665; concrete sidewalks, to R. C. Huffman, 331 Bay St., Toronto, $2,245. Noted May 3.

Ont., Peterborough—Concrete curbing, guttering, sheet asphalt on concrete paving 17,000 sq.yd., to Warren Bituminous Paving Co., 54 University Ave. Est. $60,000.

Ont., Toronto—Asphalt on concrete paving Highbourne Rd., to Constructing & Paving Co., Confederation Life Bldg., $2,153, Cavell, Chestnut Park and Chisholm Aves., to Kilmer & Barber, 10 Adelaide St. E. $27,457, Dunn Ave. and Elora Rd., to Godson Contg. Co., 203 Richmond St. W. $20,950; brick, asphaltic concrete paving Doel, Dowling and Cedar Aves., to owners by day labor, $10,559; concrete paving lane near Symington Ave., to Grant Contg. Co., 47 Wellington St. E. $3,727, lane near Brock Ave., to L. P. Acri, 28 Grove Ave. $885. Grand total $65,731.

Ont., Toronto—East York Twp., asphalt on concrete paving 7,500 sq.yd. Lumsden Ave., to Kilmer & Barber, 10 Adelaide St. E., $35,101. Est. $35,000.

Ont., Toronto—York Twp., bitulithic on concrete paving Dynevor Rd., to Warren Bituminous Paving Co., 54 University Ave., $29,945; asphalt on concrete paving Methuen Ave., to Godson Contg. Co., 203 Richmond St. W. $10,630; concrete sidewalks on Preston and St. Marks Rds., Traymore Crescent, Briar Hill and Valewood Aves., to T. Strang, 114 Cederic Ave., $3,688. Grand total $44,263.

Ont., Uxbridge—D. J. Kean, engr., Court House, Whitby, concrete paving 7,500 sq.yd. Main St., to Hamilton Contg. Co., 25 Hughson St. S., Hamilton. Est. $25,000. Noted May 17.

Ont., Windsor—Paving streets, to Cadwell Sand & Gravel Co., West Sandwich St. $22,108, to Premier Constr. Co., 942 Windsor Ave., $54,376, to Chick Contr. Co., McDougall Ave., $31,000. Grand total $107,484.

Ont., Windsor—Concrete paving 6 streets, to Premier Constr. Co., 924 Windsor Ave. $54,000; Bonwell and Ypres Aves., to Cadwell Sand & Gravel Co., Sandwich St. W., $22,000.

B. C., Point Grey—Concrete or asphaltic concrete paving, to Ellis-Cotton, Ltd., False Creek Yards, Vancouver, $17,756—to Armstrong-Morrison Paving Co., 553 Granville St., Vancouver, $20,549—to General Constr. Co., Ltd., 736 Granville St., Vancouver, $2,886. Grand total $41,191.

B. C., Vancouver—Warrenite paving, to Ellis-Cotton, Ltd., False Creek Yards, $3,803—concrete paving, to Hodgson, King & Marble, 508 London Bldg., $26,888—to Dawson Wade & Co., Bekins Bldg., $11,768—to King & Moncruff Constr. Co., Dominion Bank Bldg., $13,294. Grand total $55,753.

Public Bond Elections

Coming Bond Elections

Waterworks — California, Mo., Aug. 13, $28,000.
Waterworks — Altus, Okla., July 18, $120,000.
Waterworks—Maud, Okla., July 18, $75,000.
Waterworks—Oceanside, Calif., $75,000.
Sewage Disposal Plant — Altus, Okla., $120,000.
Sewers—Hinton, Okla., July 24, $30,000.
Sewage Disposal Plant—Escondido, Calif., $25,000.
Paving—Fulton, Mo., Aug. 3, $39,000.
Paving—Pleasant Hill, Mo., July 31, $25,000.
Air Port—Norman, Okla., $30,000.

Bonds Voted

Waterworks — Centralia, Kan., $43,000. Henningson Engr. Co., Omaha, Neb., Engrs.
Sewers—Marlin, Tex., $38,000.
Paving, Sewers, etc. — Carnegie, Pa., $275,000.

Buildings—Commercial

Proposed Work

Me., Portland—THEATRE, STORE and OFFICE—Congress St. Corp., c/o H. W. Rhodes, archt., 574 Congress St., soon lets contract 6 story, basement, 185 x 215 ft., brick, steel, plain found., Congress and High Sts. To exceed $150,000.

Mass., Boston—STORE and OFFICE—P. Basile, 20 Taft Pl., Rosindale, sketches by M. E. Levy, 43 Tremont St., 3 story, basement, 10,000 sq.ft. floor space, brick, stone, plain found., Washington and Popular Sts. $150,000.

Mass., Brockton—MEMORIAL—City, H. D. Bent, mayor, 3 story, basement, tower, war memorial recreation building, incl. library, auditorium, billiard room, stage, reading room, West Elm St. $175,000. Engineer and architect not selected.

Mass., Fall River—STORE and OFFICE—Burke, Inc., c/o T. E. Burke, North Main St., revised plans by D. Shapiro, Globe Bldg., North Main St., 4 story, basement, brick, plain found., North Main and Granite Sts. $150,000. Noted Apr. 26.

Mass., Mattapan (sta. Boston)—ADMINISTRATION — Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, soon takes bids 3 story, basement, irregular sized, brick, plain found., at Boston State Hospital. $180,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Apr. 12.

Mass., Scituate—MASONIC TEMPLE—Scituate Lodge of Masons, J. Severance, chn. building com., sketches by J. W. Beal Sons Co., 185 Devonshire St., Boston, brick, stone, Country Way. $150,000 or more. Noted May 10.

Mass., Taunton — KITCHEN—Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, soon takes bids altering and constructing 3 story, basement, brick addition, plain found., at State Hospital. $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Apr. 19.

Mass., Waltham (Ind. br. Boston)—HOME—City, H. F. Beal, mayor, City Hall, soon takes bids altering and constructing 2 and 3 story, basement, irregular sized, brick, stone addition, plain found., South St. $150,000 or more. Hutchins & French, 11 Beacon St., Boston, archts. Noted May 24.

R. I., Providence—OFFICE—Rhode Island Insurance Co., Guarantee Fire Insurance Co., and Merchants Insurance Co., 17 Custom House St., sketches by Howe & Church, Turks Head Bldg., office building, 31-37 Canal St. To exceed $150,000.

Conn., New Haven — HOSPITAL — New Haven Hosital, G. F. Goodspeed, plans by H. C. Pelton, 415 Lexington Ave., New York, brick, steel ward unit. $500,000. G. A. Noska, 420 Lexington Ave., New York, engr.

N. Y., Astoria (sta. Long Island City)—APARTMENT — D. Vouzzo, 35-10 Bway., plans by C. L. Caputi, 35-10 Bway., 87 x 125 ft., brick, timber, 34th St. and 28th Ave. $175,000. Noted Apr. 12.

N. Y., Brooklyn—BANK and OFFICE—High Grand Holding Corp., J. F. Pitz, pres., 325 Wycoff St., soon lets contract, Wyckoff and Gates Sts. $175,000. H. C. Brucker, 2424 Myrtle Ave., archt.

N. Y., Brooklyn — GARAGE — Parkway Center Building Corp., A. Kanter, pres., 26 Court St., 2 story, 100 x 157 ft., East New York and Schenectady Aves. $40,000. H. M. Sushan, 367 Fulton St., archt.

N. Y., Brooklyn—HOSPITAL— Swedish Hospital, P. B. Hanson, Rogers Ave., plans by A. S. Hedman, 112 East 19th St., New York, and takes bids in October or November, 4 story, 124 Rogers Ave. $250,000.

N. Y., Brooklyn — STORE — East New York Terminal Buildings, Inc., H. Strongin, pres., 1662 Pitkin St., 100 x 200 ft., Junius St., East New York Ave. $300,000. Cohn Bros., 361 Stone Ave., archts.

N. Y., Elmira — THEATRE—F. & H. Schweppe, 114 State St., sketches by V. A. Rigaumont, 1540 Bway., New York, theatre. $150,000.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENT — Laurel Manhattan Co., 3451-89th St., plans by B. Driester, Jr., 153 Remsen St., Brooklyn, 4 story, 88 x 100 ft., brick, timber, 93rd St. and Northern Blvd. $250,000.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENT—Polk-88th St. Corp., 101 Park Ave., New York, plans by O. Goldschlag, 1482 Bway., New York, 6 story, 87 x 120 ft., brick, timber, 88th St. and Polk Ave. $250,000.

N. Y., Jackson Heights (Sta. Flushing)—STORE and OFFICE—Queensboro Corp., Bridge Plaza, Long Island City, plans by M. Smith, 161-10 Jamaica Ave., Jamaica, 3 story, 100 x 100 ft., brick, timber, 37th Ave. and 82nd St., separate contracts. $150,000.

N. Y., Long Island City—AMUSEMENT—Van Arch Holding Corp., 133-15 Rockaway Blvd., Jamaica, plans by J. M. Baker, 9 Jackson Ave., 1 story, 123 x 190 ft., brick, Archer Pl. 144th St. $150,000.

N. Y., Long Island City—APARTMENT—Santo Maggio, 16-87 Van Alst Ave., plans by R. L. Lukowsky, 28-13 Newtown Ave., Astoria, 4 story, 88 x 164 ft., brick, timber, Crescent St. and Bway. $165,000.

N. Y., New York—APARTMENT—B. & A. Constr. Corp., c/o F. Abbondanza, pres., 3536 White Plains Ave., plans by M. W. Del Guadio, 160 West 45th St., 6 story, 85 x 180 ft., brick, timber, 273 Olinville St. $225,000.

N. Y., New York—APARTMENT—Forty West 67th St. Corp., 50 Central Park W., bids in August general contract, 36 West 67th St. $350,000. R. Candela, 578 Madison Ave., archt. Noted July 5.

N. Y., New York—APARTMENTS—Gramercy Investing Co., 17 East 45th St., bids in August general and separate contracts 9 story, 57 x 77 ft., brick, steel, 136 East 18th St., $300,000; apartment, 126 East 18th St., $600,000. Sugarman & Berger, 343 Madison Ave., archts. Noted June 28.

N. Y., New York—APARTMENT—Iron Hill Realty, M. Toonkel, pres., 590 East 161st St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 87 x 203 ft., brick, timber, Shakespeare and Jerome Aves. $395,000.

N. Y., New York — APARTMENT — Janos Holding Corp., 349 East 149th St., J. Janos, pres., plans by P. Lubroth, 283 Kingsbridge Rd., 6 story, 87 x 150 ft., brick, timber, Taylor and Tremont Aves. $250,000.

N. Y., New York—APARTMENT—Montenox Corp., 15 William St., bids in August, 17 story, 100 x 139 ft., 720 Park Ave. $2,000,000. R. Candela, 578 Madison Ave., archt. Noted July 5.

N. Y., New York—APARTMENT—One Thousand Five Hundred-One Undercliff Ave., Corp., A. Sussman, pres., 1484 Shakespeare Ave., plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, 128 x 212 ft., brick, timber, Undercliff Ave. and Washington Bridge. $500,000.

N. Y., New York — APARTMENT — Schwarz & Gross, archts., bids in August separate contracts 11 story, 29 East 70th St., for Teeson Constr. Corp., 285 Madison Ave. $3,000,000. Noted June 28.

N. Y., New York — APARTMENT — Southern Gardens, Inc., A. Savinelli, pres., 344 East 149th St., plans by A. E. Schaefer, 2408 Grand Concourse, 5 story, basement, 200 x 275 ft. apartment, 147th St. and Southern Blvd. $1,000,000.

N. Y., New York—APARTMENT—Teeson Constr. Corp., A. Tishman, pres., 285 Madison Ave., bids in August separate contracts, 317 East 57th St. $600,000. Schwartz & Gross, 347 5th Ave., archts. Noted June 28.

N. Y., New York—APARTMENT—Wallace Building Corp., M. Berek, secy., 927 Burke Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 100 ft., brick, timber, Wallace Ave. and Allerton St. $180,000.

N. Y., New York—APARTMENTS—Minneford Holding Corp., G. Markey, pres., 368 East 148th St., plans by Becker & Levy, 1301 Boston Rd., two 6 story, one 86 x 94 ft., Morris Park and Hobart Aves., other 89 x 96 ft., Morris Park and Edison Aves., both brick, timber, $200,000 each.

N. Y., New York—APARTMENT and STORE — Dougal Realty Corp., S. P. Donis, secy., 1853 Washington Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 99 x 100 ft., brick, timber, 177th St. and Newbold Ave. $180,000.

N. Y., New York—CLUB—Finnish Temperance Society bids in August or September general contract, 158 East 124th St. $150,000. E. A. Winkander, 55 West 52nd St., archt.

N. Y., New York — HOME — Peabody Home Corp., E. K. Warren, pres., 2064 Boston Rd., plans by Allen & Collins, 415 Lexington Ave., 5 story, 41 x 137 ft., brick, timber, Pelham Parkway and Home St. $250,000.

N. Y., New York—HOSPITAL—Eighty-seventh St. East End Corp., 250 Park Ave., bids in September or October general contract 14 story, 96 x 201 ft., brick, steel, 545 East 87th St. $1,750,000. Crow, Lewis & Wick, 200 5th Ave., archts. Noted July 5.

N. Y., New York—OFFICE—Hegeman & Harris (contractors), 360 Madison Ave., bids in December on separate contracts 36 story, 100 x 329 ft., brick, steel, 216 East 42nd St., for News Syndicate Co., Inc., 25 Park Pl. $5,500,000. Noted Mar. 8.

N. Y., New York—STORES and APARTMENTS—Ramol Realty Corp., 17 West 45th St., L. Strum, pres., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., two 6 story, one 87 x 100 ft., other 86 x 100 t.f., brick, timber, Manor and Watson Sts. $200,000 each.

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Buildings—Commercial (Continued)

N. Y., New York—STORE and APARTMENT—R. E. Schwiner & J. W. Schmidt, archts., 1440 Bway., bids in December general contract, 713 St. Nicholas Ave., for Estate of Herbert Pell, 713 St. Nicholas Ave. $150,000.

N. Y., Ogdensburg—HOSPITAL—Dpt. Mental Hygiene, Capitol, Albany, bids in August, reception hospital, inmate and employee accommodations, pavilion and employees buildings at St. Lawrence State Hospital. Crow, Lewis & Wisk, 200 5th Ave., New York, archts. Noted June 7.

N. Y., Orangeburg—HOSPITAL—Dpt. Mental Hygiene, Albany, soon takes bids, 17 additional buildings at Rockland State Hospital.

N. Y., Ridgewood (sta. Brooklyn)—COURT HOUSE—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Long Island City, plans by T. C. Rogers, 15 Colonial Ave., Forest Hills, courthouse, Chaffee and Catalpa Sts. $300,000.

N. Y., Rochester—APARTMENT—M. Rosenberg, 3 North Goodman St., apartment, Alexander St. W. Aronwitz, 311 Alexander St., engr.

N. Y., Rochester—BANK—Rochester Trust & Safe Deposit Co., R. C. Watson, pres., 1 Main St. W., plans by Gordon & Kaelber, 311 Alexander St., 6 story, 75 x 75 ft., brick, steel addition. $250,000.

N. Y., Saratoga Springs—BATH HOUSE—New York State Conservation Comn., Albany, bids in August, reconstructing Lincoln Bath House. Noted June 7.

N. Y., Sonyea—HOSPITAL—Dpt. Mental Hygiene, Capitol, Albany, soon takes bids, hospital, exit facilities and fire stops, at Craig Colony. Noted May 24.

N. Y., Stapleton—COURT HOUSE—J. J. Lynch, pres. Richmond Boro, Boro Hall, St. George, bids in September, court house, Targee and Gordon Sts. $200,000. Sibley & Featherson, 101 Park Ave., New York, archts.

N. Y., Syracuse—HOTEL—C. H. Hilton, c/o G. Young, archt., McCarthy Bldg., 6 story, basement, 42 x 144 ft., brick, steel, concrete pile found., Harrison and Montgomery Sts. $350,000.

N. Y., Yonkers—APARTMENT—G. Keisler, archt., 56 West 45th St., N. w York, bids in August general or separate contracts 6 story, Park and Fairview Sts., for Park Fairview Realty Co., 29 Bway., New York. $300,000.

N. J., East Orange—APARTMENT—Ricciardi Bros., c/o R. Botelli, archts., 45 Branford Pl., Newark, 4 story, basement, brick, plain found., 110-12 Walnut St. $150,000.

N. J., East Orange—APARTMENT—M. Spurr, c/o S. Cohen, archt., 130 Branford Pl., Newark, 3 story, basement, 100 x 125 ft., brick, steel, stucco, plain found., Rhode Island Ave. and Brookwood St. $150,000.

N. J., Elizabeth—APARTMENTS—M. Kolter, c/o W. Clifford, Jr., archt., 293 Morris Ave., two 4 story, basement, 40 x 90 ft. brick, plain founds., 414-20 Vine St. $150,000.

N. J., Hoboken—BANK—W. Newman, archt., 40 Journal Sq., Jersey City, soon lets contract 2 story, basement, 45 x 75 ft., brick, steel, plain found., 4th and Grand Sts., for City Steneck Trust Co., 95 River St., H. Steneck, pres. Noted July 5.

N. J., Hoboken—ELKS CLUB—Elks Club, 1005 Washington Ave., plans by J. Lugosch, 711 Bergenline Ave., Union City, 4 story, basement, brick, steel addition, plain found., 10th St. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—N. S. Kapnek, c/o A. J. Silberstein, archt., 60 Park Pl., Newark, 3 story, basement, 70 x 180 ft., brick, stucco, steel, plain found., 10-24 38th St. $300,000.

N. J., Irvington (br. Newark)—APARTMENT and STORE—S. Schneider, 5 Huntington Terrace, Newark, plans by E. Gerber, 786 Broad St., Newark, 3 story, basement, 60 x 130 ft., brick, steel, plain found., Stuyvesant Ave. and Coolidge St. $150,000.

N. J., Jersey City—APARTMENT—J. Schniper, 79 West 45th St., Bayonne, sketches by B. Singer, 778 Hudson Blvd., Bayonne, 4 story, basement, brick, steel, plain found., 211-13 Arlington Ave. $150,000.

N. J., Jersey City—STADIUM—New York Club of Amer. Baseball League, 226 West 42nd St., New York, E. Barrow, secy., stadium. $150,000.

N. J., Jersey City—STORE and APARTMENT—Tube Realty Corp., c/o C. Shilowitz, archt., 26 Journal Sq., 5 story, basement, brick, steel, plain found., Summit, Magnolia and West Sts. $200,000. Noted July 5.

N. J., Newark—APARTMENT—Fidelity Building Corp., c/o N. A. Vorelli, archt., 786 Broad St., 4 story, basement, 50 x 100 ft., brick, steel, plain found., Lyons Ave. $150,000.

N. J., Newark—APARTMENT—Heller Constr. Co., 972 Broad St., plans by W. E. Lehman, 972 Broad St., 4 story, basement, brick, steel, plain found., 879-99 18th Ave. $150,000.

N. J., Newark—APARTMENT—S. Mazza, 482 North 13th St., plans by J. Centanni, 142 Market St., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Warwick St. and Elm Rd. $150,000.

N. J., Newark—APARTMENT—Miller & Johnson, c/o N. A. Norelli, archt., 786 Broad St., two 4 story, basement, 80 x 85 ft., brick, steel, plain found., Highland Ave. $175,000.

N. J., Newark—APARTMENT—National Realty Co., 215 Osborne Terrace, plans by E. Hauser, 11 Clinton St., 4 story, basement, 100 x 110 ft., brick, steel, plain found., 214-22 Shepherd Ave. $175,000.

N. J., Newark—APARTMENT—Owner, c/o Siegler & Greenberg, archts., 164 Market, St., 3 story, basement, 90 x 100 ft., brick, plain found., 483-91 Clinton St. $150,000.

N. J., Newark—HOTEL—Metropolitan Building & Realty Co., 24 East Park St., sketches by R. Botelli, 45 Branford Pl., 12 story, basement, brick, steel, plain found., 19-25 Lombardy St. $300,000.

N. J., Newark—OFFICE—Owner, c/o D. H. Trevor, archt., 45 Branford Pl., 10 story, basement, brick, steel, plain found., High St. and Springfield Ave. $300,000. Noted May 10.

N. J., Nutley (br. Newark)—APARTMENT—Clover Holding Co., c/o H. J. Furlong, archt., 44 Center St., 3 story, basement, brick, steel, stucco, plain found., Clover and Center Sts. $150,000.

N. J., Orange—APARTMENT—J. Zingalli, c/o A. P. Nuciarone, archt., 206 Central Ave., sketches 4 story, basement, 90 x 135 ft., brick, plain found., Washington and North Center Sts. $160,000.

N. J., Passaic—ADMINISTRATION—Pub. Serv. Co-Ordinate Transport Co., 188 Ellison St., Paterson, 1 story, basement, 230 x 280 ft., brick, steel, plain found., 860-78 Main Ave. $150,000. Private plans.

N. J., Passaic—APARTMENT—Lex Realty Co., c/o W. C. Patterson, archt., 287 Brook Ave., 4 story, basement, brick, plain found., 232 Bloomfield Ave. $150,000.

N. J., Raritan—CASINO and HOTEL—Diglio Democratic Assn., 340-4th St., Jersey City, plans by P. O. Simeone & Co., Inc., 22 Journal Sq., Jersey City, 2 story, basement, 125 x 125 ft., brick, steel, plain found. Oak Tree Park. $150,000. Noted July 5.

N. J., Trenton—BANK and OFFICE—First Mechanics Natl. Bank, 34 East State St., E. S. Stokes, bids in October, general contract, State and Warren Sts. $500,000. York & Sawyer, 100 East 42nd St., New York, archt. F. I. Sutton, 140 Cedar St., New York, engr.

N. J., Union—BANK and OFFICE—Natl. Bank of North Hudson, 141 Summitt Ave., sketches 2 story, basement, brick, steel, plain found., Summitt Ave. and 15th St. $150,000. Engineer and architect not selected.

Pa., Bryn Mawr—APARTMENT—Owner, c/o H. L. Reinhold, Jr., archt., 1621 Walnut Ave., Phila., soon lets contract 2 story, basement, 40 x 179 ft. apartment.

Pa., Clairton—THEATRE and OFFICE—Hendel Theatre Enterprises, c/o Marks & Kann, Home Trust Bldg., Pittsburgh, 2 story, basement, brick, terra cotta, steel. $150,000.

Pa., Phila.—BUS TERMINAL and GARAGE—Nevin Bus System, 159 Remsen St., Brooklyn, N. Y., bids in August or September, general contract 7 story, rein.-con., 12th and Commerce Sts. To exceed $600,000. W. F. B. Koelle, 112 South 16th St., archt.

Ala., Gadsden—HOTEL—A. Rich, Printop Hotel, plans by D. O. Whilldin, 523 North 21st St., 10 story, basement, rein.-con., brick, steel, plain found.

La., Shreveport—HOTEL—United Hotels of South, of South & West, Inc., c/o F. J. Dean, 1030 West 55th St., Kansas City, Mo., improving and constructing additional top stories, 6 story, to Youree Hotel. $250,000. Private plans.

O., Akron—EXCHANGE—Ohio Bell Telephone Co., 750 Huron Rd., soon takes bids 6 story, basement, 155 x 265 ft., West Bowery and Quaker Sts. $700,000.

O., Cincinnati—APARTMENT—Simm[illegible] & Forscheiner, 300 Commerce & Trust B[illegible], plans by E. G. Hoefler, B. F. Keith B[illegible], Cleveland, 3 story, basement, brick, s[illegible] Harrison Ave. $150,000.

O., Cleveland—APARTMENTS—C[illegible] Doan Building & Constr. Co., 11118 Cl[illegible] Blvd., plans by G. E. Rudolph, c/o ow[illegible] three 3 story, basement, 44 x 138 ft., b[illegible] timber, 10109 Lake Ave. $300,000.

O., Cleveland—HOSPITAL—Western [illegible]serve University, 10940 Euclid Ave., p[illegible] by Coolidge, Shepley, Bulfinch & Ab[illegible] Ames Bldg., Boston, Mass., Lakeside H[illegible]pital. To exceed $150,000.

O., Cleveland Heights (Warrensville P[illegible])—APARTMENT—Coventry Building & Constr. Co., c/o H. Dolinsky, 6317 K[illegible]man Rd., Cleveland, plans by A. F. Ja[illegible]witz, 811 Prospect Ave., Cleveland, 3 st[illegible] basement, 87 x 107 ft. brick, timber Cov[illegible]try Rd. $150,000.

O., Dayton—APARTMENT HOTEL—Broadview Corp., Dayton Savings & Tr[illegible] Bldg., 10 story, basement, 70 x 180 ft., rein.-con., brick, plain found., 2nd and Wilkinson Sts. $300,000. Engineer and architect not selected.

O., Lancaster—THEATER—H. Abram & L. Kessel soon take bids theater, 1,[illegible] seating capacity, $150,000.

O., Toledo—CLUB—Y.M.C.A., 347 Madison Ave., New York, brick. $1,500,000. Engineer and architect not selected.

O., Zanesville—HOTEL—H. A. Hicks soon takes bids 4 story, basement, 5[illegible] room brick addition. $150,000.

Ind., Indianapolis—HOTEL—Meridian & 28th St. Realty Co., plans by D. Graham, 1126 Hume-Mansur, 7 story, basement, 58 x 120 ft., rein.-con., brick, terra cotta, Meridian and 28th Sts. $350,000.

Ill., Chicago—APARTMENTS—Julius Rosenwald, 4901 Ellis Ave., plans by Klafter & Grunsfeld, Inc., 4 and 5 story, face brick, known as Michigan Blvd. Gardens, to have large central garden courtyard of nearly 3 acres, 46th and 47th Sts., Michigan and Wabash Aves. $2,500,000.

Ill., Chicago—ARMORY—Perkins, Chatten & Hammond, archts., 160 North La Salle St., soon take bids 1 story balcony, 224 x 352 ft., rein.-con., brick drill hall, 2 story, 131 x 237 ft. stables, rein.-con., brick, Cottage Grove Ave., 52nd and 53rd Sts., for One-Hundred-Twenty-Fourth Field Artillery Illinois Natl. Guard, 3401 Wentworth Ave. $500,000. Total, incl. future buildings, $1,000,00. F. A. Randall, 222 North Wells St., engr. Noted Feb. 9.

Ill., Chicago—OFFICE, GARAGE and STORE—A. S. Alschuler, Inc., archts., 28 East Jackson Bvld., soon lets contract 19 story, basement, 120 x 172 ft., rein.-con., brick, steel, caisson found., Wabash Ave. and Harrison St., for H. Rubloff, 10 South La Salle St. $2,000,000. Noted May 20.

Ill., Chicago—RETAIL STORE—Leichenko & Esser, archts., 38 South Dearborn St., soon takes bids 7 story, basement, 48 x 120 ft., rein.-con., brick, steel, terra cotta, 32 South State St., for S. H. Goldberg, 1918 Prairie Ave. $300,000.

Ill., Dixon—COMMUNITY—City sketches community house. $500,000.

Wis., Watertown—THEATRE—Paramount Theatre Corp., 36 South State St., Chicago, Ill., plans by Hooper & Janusch, 870 North State St., Chicago, Ill., 3 story, basement, 125 x 135 ft., brick, stone theatre.

Ia., Council Bluffs—CITY HALL—City, new city hall. $150,000. Will probably vote on bonds later.

Ia., Keokuk—HOSPITAL—Graham Protestant Hospital Assn. plans by M. J. Geise, State Central Bank Bldg., 32 story, basement, 62 x 140 ft., rein.-con., brick, terra cotta, plain found. $150,000. Noted May 3.

Minn., St. Cloud—WAREHOUSE and SALES—L. H. Hinz, mgr. International Harvester Co. of America, 606 South Michigan Ave., Chicago, Ill., soon lets contract 2 story, basement, steel, gray Bedford stone, St. Germain St. and Northern Pacific Ry. tracks. $150,000. Private plans.

Neb., Omaha—OFFICE—G. W. Smith, Inc., 280 Madison Ave., New York, sketches by G. B. Prinz, Omaha Natl. Bank Bldg., 6 story basement, 132 x 132 ft., rein.-con., brick, stone, 1607 Farnam St. $300,000. F. W. Rice, Bankers Reserve Bldg., Omaha, engr.

N. D., Minot—BANK and OFFICE—First Natl. Bank, plans by A. Moorman & Co., Chamber of Commerce Bldg., St. Paul, 4 story, basement, 50 x 147 ft., rein.-con., brick, granite, Kasota stone, Main St. and Central Ave. $250,000.

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Buildings—Commercial (Continued)

Mo., Carthage — HOSPITAL — Carthage Hospital Assn., c/o Bd. Directors, plans by Hod. Price & Barnes, 800 Davidson Bldg., Kansas City, 2 story, basement, rein.-con., brick, stone hospital. $150,000. City voted $75,000 its share of cost and $75,000 has been received from private estate.

Mo., Kansas City—BANK and OFFICE—New England Natl. Bank, 10th and Baltimore Aves., 28 story, basement, 10th and Baltimore Aves.

Mo., Kansas City—OFFICE—Owner, c/o C. A. Smith, archt., 800 Finance Bldg., remodeling and constructing office building, rein.-con., brick addition, Pushing Rd. and Wayandotte St. $500,000.

Mo., St. Louis—BANK and OFFICE—Continental Life Insurance Co., E. Mays, pres., 10th and Olive Sts. soon takes bids excavation and steel work 20 story, basement, 100 x 152 ft., rein.-con., brick, steel, stone, Olive St. near Grand Blvd. Total $1,500,000. W. B. Ittner, 911 Locust St., archt. Noted May 31.

Mo., St. Louis—EXPRESS and OFFICE—Terminal Railroad Assn. of St. Louis, 1800 Market St., soon lets contract, 4 story, basement, 70 x 220 x 700 ft., rein.-con., brick, 18th St. and Clark Ave. H. J. Pfeiffer, c/o owner, engr. Noted May 21.

Mo., St. Louis—HOTEL-APARTMENT—Local Syndicate, c/o W. J. Abbott, 806 Chestnut St., sketches by J. L. Bowling & I. Shank, Arcade Bldg., 25 story, basement, 140 x 200 ft., rein.-con., brick, stone, steel, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000.

Mo., St. Louis—HOTEL and BUS TERMINAL—C. E. Lane, 1700 Morgan St., sketches by Manske & Bartling, 410 North Euclid Ave., 5 story, basement, rein.-con., brick, stone terra cotta Olive St. west of 18th St. $300,000.

Mo., St. Louis—STORE and APARTMENT—G. A. Heman, 3650 Chouteau Ave., 3 story, basement, 75 x 160 ft., brick, concrete, stone, Delmar Blvd. and Cabanne Ave. $150,000.

Ark., Hot Springs—HOTEL—New York Hotel Co., T. K. Martin, 118 Frances St., sketches by G. R. Mann, New Donaghey Bldg., Little Rock, 14 story, rein.-con., brick, terra cotta, Bway and Spring St. $1,000,000.

Tex., Alice—HOTEL—Alice Hotel Co., c/o H. E. Prismall, Alice State Bank, soon lets contract 5 story, brick, stone, rein.-con., East Main and Almond Sts. $200,000. Hardy & Curran, 709 Nixon Bldg., Corpus Christi, archts.

Tex., Corpus Christi—HOTEL—E. E. Richards & Associates, Lake Charles, La., 4 story, 300 room addition, incl. 3 story storage garage, North Beach St. $250,000.

Tex., San Antonio—GARAGE—Syndicate, c/o G. Melliff, San Antonio Building Material Co., plans by Phelps & DeWees, c/o Gunter Bldg., 3 story, part basement, 108 x 126 ft., brick, rein.-con., plain found., 600 car capacity, ramp system, Crockett and Bonham Sts. $250,000.

Okla., Frederick—HOTEL—Hockenberry Hotel Co., Fort Worth, sketches 4 story, basement, 75 x 140 ft., rein.-con., brick, plain found. $175,000. Engineer and architect not selected.

Okla., Tulsa—HOTEL—L. D. Gunn & Co., 1717 East 15th St., plans by M. L. McCune, Cosden Bldg., 2 story, basement, 105 x 132 ft., rein.-con., brick, plain found., 15th St. $150,000.

N. M., Lordsburg — HOTEL — Trost & Trost, archts., Two Republics Bldg., El Paso, Tex., soon take bids 2 story, 130 x 140 ft., concrete, brick, stucco, East Railway Blvd., for N. A. Gammon. $180,000.

Wash., Yakima—OFFICE and STORE—Ross Building, Inc., plans by Stuart & Wheatley, Walker Bldg., bids about Aug. 1, 7 story, basement, 125 x 140 ft., pressed brick, terra cotta, South 2nd and Chestnut Sts.

Ore., Baker—HOTEL—Multnomah Hotels Co., 269 Pine St., Portland, plans by Tourtellotte & Hummel, Portal Bldg., Portland, 8 story, basement, 100 x 100 ft., with 2 story wing, rein.-con., plain found., Main and Auburn Sts. $300,000. Noted June 7.

Calif., Bakersfield—STORE and OFFICE—B. R. Fitzgerald plans by C. H. Biggar, Bank of Italy Bldg., 4 story, basement, rein.-con., steel, I St. $160,000.

Calif., Eldridge — HOSPITAL — State Building Comn., Sacramento, plans by G. B. McDougall, state archt., Sacramento, and W. B. Faville, associated archt., 1st Natl. Bank Bldg., San Francisco, and bids about July 15, 3 story, 75 x 264 ft., rein.-con., timber, plain found., at Sonoma State Home. $150,000.

Calif., Glendale—APARTMENTS—S. C. Woodward, c/o Bessolo & Gualano, archts., Pacific Electric Bldg., Los Angeles, two 4 story, brick, Adams St. $150,000.

Calif., Glendale—STORE and OFFICE—Glendale, Professional Holding Corp. plans by J. T. Bibb, 214 North Brand Blvd., 6 story, basement, 50 x 140 ft., rein.-con., Central St. $260,000.

Calif., Glendale — THEATRE, STORE, OFFICE and APARTMENT — Menard Players c/o J. R. Schaffer, archt., 600 South Brand Blvd., 2 and 3 story, 93 x 340 ft., rein.-con., Brand Blvd. $150,000 or more. Noted Mar. 22.

Calif., Hanford—THEATRE—West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, fireproof theatre. $150,000.

Calif., Hemet—HOTEL—Hemet Hotel Co. plans by E. L. Maberry, Transportation Bldg., Los Angeles, 2 story, basement, brick, hotel. $150,000.

Calif., Los Angeles — APARTMENT — Hope Street Assn., Inc. plans by F. H. Webster, 922 Guaranty Bldg., 6 story, basement, 50 x 186 ft., rein.-con., 1432 South Hope St. $225,000.

Calif., Los Angeles—APARTMENTS—M. J. Pellessier, c/o K. MacDonald, Jr., archt., Spring-Arcade Bldg., two 7 and 8 story, rein.-con. apartments, 9th and Serrano Sts. (erected on opposite corners).

Calif., Los Angeles — APARTMENT — J. A. Rosenkranz & Associates, sketches by R. Nicolais, 686½ South Vermont Ave., 6 story, basement, 114 x 125 ft., rein.-con., timber, 8th and Plymouth Sts. $190,000.

Calif., Los Angeles—HOSPITAL—Monte Sano Sanitarium & Hospital plans by A. C. Martin, Higgins Bldg., 3 story, basement, sub-basement, 60 x 110 ft., rein.-con., Glendale Blvd. $150,000.

Calif., Los Angeles — LOFT — Central Realty Co., Loew State Bldg., plans by W. Douglass Lee, Textile Center Bldg., 6 story, basement, rein.-con., 80 x 100 ft. site on 9th St. and Stanford Ave. $150,000 or more.

Calif., Los Angeles — STORE and OFFICE—J. J. Haggarty, c/o New York Store, sketches by Floyd & Richards, Architets Bldg., 12 story, basement, 175 x 250 ft., Class "A," Wilshire Blvd.

Calif., Oakland — APARTMENT — R. J. Blanco, Howden Bldg., plans by T. J. Keenan, 386-15th St., 7 story, basement, steel, concrete, Lakeshore Blvd. $300,000.

Calif., Pasadena—HOTEL—United Hotel Co. of America, Maryland Hotel, plans by Hunt & Chambers, Hibernian Bldg., Los Angeles, 10 story, Class "A" annex. To exceed $150,000.

Calif., Pasadena—STORE and OFFICE—Kendall Co. plans by Bennett & Haskell, Security Bldg., 3 story, brick, steel, Colorado St. $150,000 or more.

Calif., Sacramento—HOTEL and STORE—Sellon & Co., archts., California State Bldg., 5 story, basement, rein.-con., 6th and J Sts., for H. Rassmussen, 4224 Stockton Blvd. $200,000.

Calif., Sacramento — MARKET — Company being organized plans by Coffman-Sahlberg & Stafford, Plaza Bldg., 1 story, rein.-con., Alhambra Blvd. $200,000.

Calif., San Diego—CONVENTION HALL—Interests backed by San Diego Chamber Commerce, sketches by W. H. Wheeler, Spreckels Bldg., brick, steel, stone, terra cotta. $850,000.

Calif., San Diego—HOTEL—Brooks Bros., c/o Sheet & Hiller, archts., Story Bldg., Los Angeles, 5 story, basement, concrete hotel. $150,000.

Calif., San Francisco—APARTMENT—J. Perry, 249 Eddy St., plans Class "A" apartment, Geary St. near Jones St. $150,000 or more.

Calif., San Francisco—APARTMENT—Owner, c/o H. C. Baumann, 251 Kearny St., 24 story, basement, 250 room, Class "A" Russian Hill. $850,000.

Calif., San Francisco—BANK—Hibernian Bank, McAllister and Jones Sts., plans by A. E. Roller, Crocker 1st Natl. Bank Bldg., 1 story, rein.-con., 18th and Castro Sts. $150,000.

Calif., San Mateo—APARTMENT—E. L. and J. E. Norberg, archts., 580 Market St., San Francisco, 6 story, basement, rein.-con., steel, Baywood Park. $150,000.

Calif., Visalia—THEATRE—West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles, fireproof theatre. $150,000.

Que., Montreal — THEATRE — United Amusement Corp., 12 Mayor St., plans by R. Ganepy, 15 St. James St., theatre, Notre Dame S t. W. $200,000.

Ont., Brantford—APARTMENT—O. W. Seale, 760 Main St. E., Hamilton, plans by W. J. Walsh, Terminal Bldg., Hamilton, 3 story, basement, rein.-con., brick, steel, plain found., Dufferin Ave. $150,000.

Ont., Toronto — CUSTOMS HOUSE — Dpt. P. Wks., Ottawa, plans by Chief Architects Bd., take bids probably in fall (1st unit) new customs house. $500,000. Total $3,000,000.

Ont., Toronto—HOSPITAL—City Council orthopedic hospital, Prince Arthur Ave. $500,000.

Ont., Toronto—HOTEL—Syndicate, c/o N. A. Armstrong & Co., engrs. and archts., 7 King St. E., sketches 18 story, basement, rein.-con., brick, steel, stone, plain found., Leader Lane and King St. E. $1,000,000.

Ont., Toronto—OFFICE—L. J. Wookey, Foy Bldg., plans by E. Jessop, c/o Dominion Realty Co., 11 Jordan St., 8 story, basement, 25 x 90 ft., rein.-con., brick, steel, plain found., York and Richmond Sts. $150,000.

B. C., Vancouver — OFFICE — Miller, Court & Co., Ltd., 736 Granville St., sketches by Townle & Matteson, 325 Homer St., 10 story, 78 x 120 ft., rein.-con., terra cotta, brick, tile, Pender and Howe Sts. $750,000.

Bids Desired

Mass., Boston—THEATRE—Trustees Lafayette Theatre Assn., 260 Tremont St., taking bids 1 story, basement, 80 x 180 ft., brick, stone, steel, plain found., 336 Tremont St. $150,000 or more. G. N. Meserve, 260 Tremont St., archt.

Mass., Braintree (Ind. br. Boston)—HOSPITAL—Bd. Trustees Norfolk Co. Hospital, taking new bids 2 story, basement, irregular sized, brick, stone addition, plain found., Braintree Heights. $150,000 or more. Former bids rejected. Noted May 24.

Mass., Everett (br. Boston) — APARTMENT—E. J. O'Brien, 209 Linden Ave., taking new bids 4 story, basement, 80 x 110 ft., brick, steel, stone, plain found., 33 Maple St. $150,000 or more. Former contract rescinded. B. E. Porter, 73 Tremont St., Boston, archt. Noted Feb. 2.

Mass., Framingham—BANK—Framingham Trust Co., C. F. Bigelow, res., Concord St., taking bids, altering and constructing 1 story, basement, brick, rein.-con., steel, stone addition, plain found. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted June 21.

Mass., Melrose — APARTMENT — See Contracts Awarded."

Conn., Hartford — STORE — Sage-Allen Co., 846 Main St., taking bids 6 story, 65,000 sq.ft. floor space, brick, steel, Main St. $500,000. Dennison & Hirons, 40 East 49th St., New York, archts. Noted Apr. 12.

N. Y., Far Rockaway—APARTMENT—See "Contracts Awarded."

N. Y., Jackson Heights (Sta. Flushing)—STORE and OFFICE—See "Contracts Awarded."

N. Y., Long Island City—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENTS—See "Contracts Awarded."

N. Y., New York—APARTMENT and STORE—See "Contracts Awarded."

N. Y., New York—COMMUNITY—Racarulmer & Lehlbach, arghts., 420 Lexington Ave., bids about Aug. 1, separate contracts, 92nd St. and Lexington Ave., for Y.M.H.A., 148th East 92nd St. $1,300,000. Noted July 5.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Fairview—APARTMENT—See "Contracts Awarded."

N. J., Newark—APARTMENT—N. A. Norelli, archt., 26 Lincoln Ave., Orange, taking bids general contract 4 story, basement, 50 x 100 ft., brick, steel plain found., Lyons Ave. and Parkview Terrace, for Fidelity Building Corp., 24 Commerce St. $150,000.

N. J., North Bergen (Ind. br. Weehawken)—APARTMENT—See "Contracts Awarded."

N. J., Palisades Park—APARTMENT—Tillion & Tillion and C. Hinman, Babcock, associated archts., 415 Lexington Ave., New York, taking sub-bids 4 story, basement, 90 x 108 ft., brick, steel, plain found., Harriet Ave., for Harriet Ave., Apartment, Inc., c/o architects. $150,000.

N. J., Passaic—ADMINISTRATION and BUS GARAGE—See "Contracts Awarded."

N. J., Plainfield—THEATRE—Plainfield Theatre, W. Reade, pres., taking bids general contract 2 story, theatre, 2nd St. and Park Ave. $150,000. T. W. Lamb, 644-8th Ave., New York, archt.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—See "Contracts Awarded."

Pa., Bloomsburg—HOSPITAL, NURSES' HOME, etc.—July 26, by Ballinger Co., archts., 12th and Chestnut St., Phila., 4 story, basement, 44 x 180 ft., hospital, 3 story, basement, 33 x 57 ft. nurses' home, 2 story, 39 x 55 ft. boiler house, all brick, steel, plain founds., for Bloomsburg Hospital.

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Buildings—Commercial (Continued)

O., Cleveland—MEDICAL OFFICE and GARAGE—July 24, by Cleveland Union Terminal Co., C. L. Bradley, pres., Terminal Tower, 18 story, basement, 152 x 161 ft., rein.-con., brick, steel, Ontario St., $5,000,000. Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., archts.

Ind., Indianapolis—CLUB—F. S. Cannon, archt., 21 Virginia St., taking bids 2 story, brick, stone, Walnut and Wests Sts., for Y.M.C.A., 329 North Pennsylvania St. $150,000.

Ind., South Bend—OFFICE—Building & Loan Assn., 216-18 West Washington St., taking bids and open same about Aug. 9, 10 story, basement, 48 x 66 ft., rein.-con., brick, steel, steel office building. $250,000. Austin & Shambleau, 111 North Lafayette St., archts. Noted May 3.

Mich., Detroit—STORE—Book Estate, J. B. Book, Jr., 1249 Washington Blvd., taking bids 2 story, part basement, 122 x 124 ft., rein.-con., brick, plain found., Washington Blvd. $150,000. Private plans.

Ill., Chicago—WAREHOUSE and SERVICE STATION—July 31, by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., large warehouse, service station, Ashland Ave. and Pershing Rd., for General Electric Co., 230 South Clark St.

Ill., Evanston — APARTMENT and STORE—Thielbar & Fugard, archts., 219 East Superior St., Chicago, taking bids 4 story, basement, 103 x 116 ft., brick, steel, Main St. and Hinman Ave., for R. R. McKinnie, $250,000. Noted June 21.

Ill., Peoria—CLUB—Hewitt, Emerson & Gregg, archts., Peoria Life Bldg., taking bids brick, Jefferson and Fayette Sts., for Y. W. C. A. $400,000.

Ark., Texarkana—CITY HALL—July 30, by City, 3 story, basement, 140 x 147 ft., rein.-con., brick, stone, incl. auditorium. $300,000. Witt, Seibert & Halsey, 807 Texarkana Natl. Bank Bldg., archts. Noted June 21.

Tex., Dallas—BANK—Land & Witchell, archts. and engrs., Amer. Exch. Bank Bldg., taking bids general contract 6 story, basement, 50 x 100 ft., Bedford stone, steel addition, plain found., Elm St., for American Exch. Natl. Bank. $300,000. Excavation work under way. Noted Apr. 26.

Tex., Temple—CITY HALL—City, bids about Aug. 1, 3 story, city hall. $160,000. M. V. Scott, 412½ Franklin Ave., Waco, arch. Noted July 5.

Wash., Tacoma — APARTMENT — Dana Roberts & Co., Rust Bldg., plans by Lundberg & Ekvall, Provident Bldg., bids about Sept. 3, 7 story, basement, 100 x 120 ft., rein.-con., steel, terra cotta, brick, South 5th and Broadway Sts.

Calif., Chico—ADMINISTRATION—State Building Comm., Sacramento, bids about Sept. 1, 3 story, basement, 65 x 308 ft. rein.-con., brick, plain found., State Teachers College, $235,000. G. B. McDougall, Sacramento, state archt.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Ont., Ottawa—OFFICE—Sept. 5, by S. E. O'Brien, secy., Dpt. P. Wks., for Dominion Govt. Office Building known as Confederation Building, Wellington St. $4,000,000.

N. S., Halifax—STATION and HOTEL—July 27, by G. S. Archibald, archt., 1134 Beaver Hall Hill, Montreal, Que., new station and hotel, for Canadian Natl. R.R., C. S. Gzowski, ch. engr. (constr.), Montreal, Que.

Contracts Awarded

Me., Damariscotta—BANK—First National Bank, altering and constructing 1 story, basement, rein.-con., brick, steel addition, plain found., to Tracey & Metcalf, Oak St., Augusta. Est. $150,000. Noted May 24.

N. H., Manchester—Y. W. C. A., A. C. McLean, chn. building com., 4 story, basement, 85 x 110 ft., brick, granite, limestone, plain found., to J. H. Shattuck, Inc., 208 Granite St. Est. $150,000 or more. Note June 28.

Mass., Melrose — APARTMENT — A. B. Lundstrom, 449 Bway., Everett, 3 story, basement, 100 x 100 ft., brick, stone, plain found., Wyoming Ave. and Waverly St., separate contracts. $150,000. J. A. Quirk, 10 Tremont St., Boston, archt.

Conn., Milford—FIRE STATION—Bd. Fire Comrs., brick, steel central fire station, to Fusco & Amatruda, 42 Church St., New Haven. $112,000. Noted June 14.

N. Y., Brooklyn — BANK — Mechanics Bank, H. N. DeMott, pres., 215 Montague St., to W. Kennedy Constr. Co., 215 Montague St. Est. $175,000.

N. Y., Buffalo — EXPRESS — American Express Co., Main and Erie Sts., 2 story, 60 x 300 ft., rein.-con., brick, steel, Curtis St., to Turner Constr. Co., 11 Goodell St., to exceed $150,000.

N. Y., Far Rockaway—APARTMENT—Toll Constr. Co., 2021 Clark Ave., 4 story, 102 x 180 ft., Seneca and Oak Sts., separate contracts. $150,000. P. L. Kieswetter, 16 Court St., Brooklyn, archt.

N. Y., Long Island City—APARTMENT—Hays Constr. Corp., 1093 East 21st. St., 6 story, 90 x 100 ft., brick, timber, 37th Ave. and 80th St., separate contracts. $400,000. Kavy & Kavovitt, 350 Stone Ave., Brooklyn, archts.

N. Y., Long Island City—APARTMENTS—Merchant Constr. Corp., 3504-31 Ave., Astoria, fourteen 3 story, 70 x 94 ft., brick, timber, Woolsey Ave. and Kindred St., separate contracts. $336,000. M. Morgolin, 105 Court St., Brooklyn, archt.

N. Y., New York—APARTMENT—Central Park West Corp., I. Kraft, 1560 Bway., apartment, 2-4 West 95th St., separate contracts. $1,000,000. J. M. Felson, 250 West 57th St., archt.

N. Y., New York—APARTMENT—Corporation, c/o Pleasant Pennington & A. W. Lewis, archts., 250 Park Ave., 14 story apartment, 9-11 East 79th St., to James Stewart & Co., 17 East 42nd St. Est. $450,000.

N. Y., New York—APARTMENTS—Dan Collins Corp., 290 East 156th St., 2 buildings, Pelham Parkway, Barnes and Wallace Aves., separate contracts. $700,000. Becker & Levy, 1301 Boston Rd., archts.

N. Y., New York—APARTMENT—Elder Realty Co., A. Resken, pres., 797 Allerton Ave., apartment, Longfellow Ave. and 172nd St., separate contracts. $300,000. G. W. Swiller, 4215 3rd Ave., archt.

N. Y., New York—APARTMENT—Faygold Realty Co., H. Kantrowitz, pres., 3194 Westchester Ave., apartment, Colonial Ave. and 196th St., separate contracts. $175,000. Glick & Duma, 400 East Fordham Rd., archts.

N. Y., New York—APARTMENT—Northview Investing Corp., 15 William St., apartment, 730 Park Ave., to G. Richard Davis, 10 East 41st St. Est. $2,000,000. Noted July 5.

N. Y., New York—APARTMENT—Sawa Realty Corp., 765 Allerton Ave., apartment, Rhinelander and Holland Ave., separate contracts. $150,000. L. Pisciotta, 563 Tremont Ave., archt. Noted July 5.

N. Y., New York—APARTMENT—Silvest Realty Corp., 553 West 51st St., apartment, Goodwin Terrace and 231st St., separate contracts. $200,000. C. S. Clark, 441 Tremont Ave., archt.

N. Y., New York—APARTMENT HOTEL and ART GALLERIES—Master Builders, Inc., L. L. Hersh, pres., 310 Riverside Dr., 24 story, 94 x 120 ft., brick, steel, to Longacre Eng. & Constr. Co., 345 Madison Ave. Est. $1,700,000. Noted Feb. 2.

N. Y., New York—APARTMENT and STORE—Finlin Building Corp., 277 Bway., H. Finkelstein, pres., 6 story, 87 x 150 ft., brick, timber, Watson and Boynton Sts., separate contracts. $300,000. Franklin Bates & Heindsmann, 2526 Webster Ave., archts.

N. Y., New York—BANK and OFFICE—Thirty-Five-Forty-One Broad St. Corp., D. Durant, vice-pres., 43 Exchange Pl., 9 story, 106 x 128 ft., brick, steel, 35 Broad St., to G. A. Fuller Co., 949 Bway., New York. Est. $1,500,000. Noted July 5.

N. Y., New York — OFFICE — New Amsterdam Casualty Co., J. A. Nelson, pres., 60 John St., 19 story, brick, steel, 56-60 John St., to James Stewart & Co., 17 East St. Est. $1,000,000.

N. Y., Peekskill—APARTMENT—Parkway Plaza Corp., c/o R. Segal, archt., 475 5th Ave., New York, 6 story apartment, South St., to Scoville Constr. Co., 132 West 42nd St., New York. Est. $250,000.

N. Y., Tuckahoe—OFFICE and STORE—La Post Reality Corp., M. Leiblich, 285 Madison Ave., Main St. Depot, to T. J. McWalters, 225 5th Ave., New York. Est. $150,000.

N. J., Caldwell—APARTMENT—Caldwell Center Realty Co., c/o Enbro Corp., archts., 111 Academy St., Newark, general contract 4 story, basement, 130 x 150 ft., brick, steel, plain found., to Enstice Bros., Inc., 111 Academy St., Newark. Est. $200,000. Noted Feb. 23.

N. J., East Orange — APARTMENT — Ricciardi Bros., Inc., 706 Summer Ave., Newark, 4 story, basement, 50 x 125 ft., brick, structural steel, plain found., 1[illegible] Walnut St., separate contracts. $1[illegible] R. Bottelli, 43 Branford Pl., Newark. [illegible] Noted July 12.

N. J., East Orange—APARTMENT—M. Spurr, 271 Leslie St., Newark, 3 [illegible] basement, 100 x 125 ft., brick, steel, [illegible] found., Rhode Island Ave. and Brook[illegible] St., separate contracts. $150,000. S. C[illegible] 134 Branford Pl., Newark, archt.

N. J., Fairview — APARTMENT — [illegible] Scenza & Miscione, Broad St. and Anderson Ave., 4 story, basement, 100 x 1[illegible] brick, steel plain found., Broad St. [illegible] Anderson Ave., separate contracts. $[illegible] 000. Luigi-Vivoli, 411 Palisades Ave., Cliffside, archts.

N. J., North Bergen (Ind. br. Weehawken) — APARTMENT — Cigolini & Leone, Bway. and 34th St., 5 story, basement, 75 x 100 ft., brick, steel, plain found., separate contracts. $150,000. L. Vivoli, 411 Palisade Ave., West New York, archts. Noted June 28.

N. J., Passaic—ADMINISTRATION and BUS GARAGE—Pub. Serv. Co., Co-ordinate Transport, 188 Ellison St., Paterson, 1 story, basement, 230 x 277 ft., brick, steel, plain found., 860-78 Main Ave., separate contracts. $150,000. Private plans.

N. J., Passaic—APARTMENT—P. Bellet, 422 Lexington Ave., Clifton, general contract 4 story, basement, 80 x 140 ft., brick, steel, plain found., 160-172 Bloomfield Ave., to B. Gallison, 474 Gregory Ave. Est. $170,000.

N. J., Paterson — BANK — Labor Co-Operative Natl. Bank, 125 Bway., general contract 2 story, basement, brick, steel, plain found., Washington St., to C. R. Hedden, 357 South Orange Ave., Newark. Est. $150,000.

N. J., Rahway—HOSPITAL—Rahway Memorial Hospital, 81 Jacques Ave., general contract 2 story, basement, brick, steel, plain found., to H. Montague & Sons, Inc., 15 Exchange Pl., Jersey City. Est. $500,000. This corrects report in June 21 issue. Noted June 21.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENTS—Rutgers Apartment Corp., 118-2nd Ave., two 4 story, basement, 50 x 100 ft. brick, stucco, steel, plain founds., separate contracts. $150,000. C. I. Goldberg, 437 Bway., Bayonne, archt. Noted June 14.

Pa., Overbrook (mail Phila.)—APARTMENT—Green Hill Farms Hotel, M. Wood, mgr., 8 story, brick, steel, city line and Lancaster Pike, to D. A. McClelland, Drexel Bldg., Phila. Est. $500,000.

Pa., Phila.—BANK, GARAGE and OFFICE—J. J. Greenberg, Morris Bldg., 1[illegible] story, basement, 86 x 146 ft., brick, steel, concrete, plain found., to Wark Co., 1600 Walnut St. Noted May 10.

Ala., Montevallo — DORMITORY — Warren, Knight & Davis, archts., Empire Bldg., Birmingham, 4 story, basement, 94 x 145 ft., rein.-con., brick, plain found., to A. C. Samford, 24 Galena Ave., Montgomery, for State. $140,000. Noted June 21.

La., Coushatta—COURT HOUSE—Red River Parish, c/o J. H. Mangham, clk., general contract 3 story, rein.-con., brick, to Sandquest & Snow, Inc., Alexandria. $103,410. Noted June 7.

Tenn., Nashville—STORE—M. J. Smith Estate, 3 story, brick, 54,000 sq.ft. floor space, 1204-10 Bway., to Sumner Constr. Co., 155-4th St. Sears, Roebuck Co., Arlington and Homan Sts., Chicago, Ill., lessee.

Ky., Louisville—OFFICE and STORE—Theatre Realty Co., c/o Fidelity & Columbia Trust Co., general contract 4 story, basement, 70 x 132 ft., rein.-con., brick, steel, terra cotta, 639-4th Ave., to General Constr. Co., 229 South 5th St. Est. $150,000. Noted May 24.

O., Cincinnati — ADMINISTRATION — Comrs. Hamilton Co., Court House, 3 story, basement, rein.-con., brick, plain found., Gurley Rd., to W. Miller & Sons, 2017 Elm St., $175,000. Noted May 4.

O., Cleveland—APARTMENT—B. Bialosky, Cornell Rd. near East 115th St., masonry contract 3 story, basement, 89 x 108 ft., brick, to Meckler Bros., 1021 Thornhill Dr. Est. $150,000. Noted June 14.

O., Ravenna—STORE APARTMENT and THEATRE—Ravenna Theatre Co., c/o S. Rosenthal, 703 Perry Payne Bldg., Cleveland, 3 story, basement, 62 x 180 ft., brick, steel, to P. L. Frank Constr. Co., Ravenna. Est. $150,000.

Ind., Huntington — DEPOT — Wabash R.R. Co., 1765 Railway Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., 1 story, 60 x 60 ft., rein.-con., brick passenger and freight depot, to Walsh Constr. Co., 19 South LaSalle St., Chicago, Ill.

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Buildings—Commercial (Continued)

Ind., Indianapolis—APARTMENT—Meridian & 36th St. Realty Co., 8 story, basement, 48 x 135 ft., rein.-con., brick, steel, terra cotta, 36th and Meridian Sts., to A. Bigham & Co., 609 Chamber of Commerce. Est. $350,000.

Ind., Indianapolis—HOSPITAL—Insane Hospital, 3000 West Washington St., general contract infirmary for men, rein.-con., brick, steel, to Service Constr. Co., 301 Castle Hall, Indianapolis. Est. $150,000. Noted June 21.

Ind., Shelbyville—CITY HALL—J. A. Emmert, mayor, general contract 2 story, basement, rein.-con., brick, steel, to Schlegel & Roehm, 602 Lexington Ave., Indianapolis. Est. $150,000. Noted June 21.

Mich., Kalamazoo — HOSPITAL — New Progress Hospital, 1 and 2 story, basement, 40 x 165 ft., 1 story, 40 x 210 ft. wing, rein.-con., brick, plain found., to De Right Bros. Constr. Co., 301 McNair Bldg. Est. $200,000.

Ill., Chicago —APARTMENT— Holabird & Root, archts., 333 North Michigan Ave., general contract 22 story, 91 110 ft., to Johnson Bros., 77 West Washington St. Est. $1,500,000. Noted May 24.

Wis., Kenosha—THEATRE—North Shore Development Co., J. Josephson, pres., general contract 6 story, basement, 124 x 124 ft., brick, tile, stone, steel, rein.-con., to Immel Constr. Co., 19 West Division St., Fond du Lac; cut stone, to C. W. Tingley, 720-31 31st St., Milwaukee; structural steel, to Vulcan Mfg. Co., 490 Main St., Fond du Lac.

Ia., Sioux City—APARTMENT—D. L. Rodin, 620 Pierce St., 4 story, basement, 70 x 150 ft., rein.-con., brick, terra cotta, 10th and Pierce Sts., to B. E. Short, 420 Court St. Est. $225,000.

Mo., St. Louis—HOTEL—Local Syndicate, c/o W. R. Orthwein, Boatmens Bank Bldg., 16 story, basement, 83 x 100 ft., rein.-con., brick, stone, terra cotta, to McKelvey-Carter Constr. Co., 3800 West Pine Blvd. Est. $1,250,000. Noted May 17.

Ark., Ft. Smith—HOTEL—Goldman Hotel Co., c/o J. A. England, mgr., general contract 6 story, brick, rein.-con. addition, Garrison ve., to J. H. Reddick, Ft. Smith, $87,730. Noted June 28.

Okla., Tulsa — COLISEUM — Magic City Amusement Co., structural steel contract 1 and part 2 story, part basement, 160 x 300 ft., rein.-con., brick, steel, plain found., Elgin St., to Kansas City Structural Steel Co., Mid-Continent Bldg., $30,500. Total $300,000.

Okla., Tulsa—OFFICE—A. M. Atkinson, archt., Mid-Continent Bldg., 5 story, 80 x 140 ft., and 3 story, 31 x 52 ft., rein.-con., brick, Main St., to L. E. Myers Co., Dallas, Tex., for Pub. Serv. Co., Main St., $428,000. Noted May 31.

Okla., Tulsa—STORE—May Bros., 212 Main St., 3 story, basement, 50 x 140 ft., rein.-con., brick, plain found., Main St., to Rucks Brandt, Mid-Continent Bldg., $114,000. Noted June 28.

Calif., Beverly Hills — APARTMENT — Goldbogen & Co., Taft Bldg., Los Angeles, story, basement, concrete, steel, to M. Grodin 3230 Sunset Blvd. $200,000. Noted May 24.

Calif., Burbank—THEATRE and OFFICE E. White, c/o L. Seldon, archt., Byrne Bldg., Los Angeles, brick, steel, hollow tile, Magnolia Park, to O'Neil Co., Rives-Strong Bldg., Los Angeles, $200,000. Noted June 28.

Calif., Corona—THEATRE, STORE and OFFICE—Corona Security Corp., 2 story, 150 x 150 ft., brick, 6th and Ramona Sts., to P. Glass, c/o Corona Securities Co., Corona, $150,000.

Calif., Glendale—APARTMENT—T. V. Dutton, 4 story, 102 room, brick, South Burlington Ave., to Dutton, The Home Fynder, Inc., 104 North Glendale Ave.

Calif., Los Angeles—APARTMENT—W. R. Adams, 247 North Western Ave., 5 story, basement, steel, concrete, Franklin Ave., to Cramer & Wise, I. W. Hellman Bldg. Est. $175,000.

Calif., Los Angeles—APARTMENT—L. Callahan, 718 Edwards-Wildey Bldg., 7 story, basement, 112 x 150 ft., steel, rein.-con., South Serrano St., to B. Shapiro, 211 Wilshire Bldg., $250,000 or more.

Calif., Los Angeles — APARTMENT— J. H. Layton, c/o L. L. Jones, 2504 West 7th St., 7 story, basement, rein.-con., Carondelet St. and Ocean View Ave., day labor and segregated contracts. $275,000. Noted June 28.

Calif., Los Angeles—APARTMENT—A. McGinnis, 4 story, basement, 95 x 105 ft., brick, Sunset Blvd., to Bessolo & Gualano, Pacific Electric Bldg., $165,000.

Calif., Los Angeles — APARTMENT — Owner, 7 story, 50 x 106 ft., rein.-con., timber, Valencia near 9th St., to J. M. Cooper, 322 Rives-Strong Bldg., $175,000.

Calif., Los Angeles—APARTMENT—I. W. Parker & L. J. Brill, 904 Commercial Exch. Bldg., 6 story, basement, 120 x 150 ft. incl. automobile storage in basement, Serrano Ave. between 8th and 9th Sts., to Parker Constr. Co., 904 Commercial Exch. Bldg., $350,000.

Calif., Los Angeles—OFFICE and LOFT —"Bullocks, Inc.," plans by Parkinson & Parkinson, New Title Insurance Bldg., 2 story, basement, 150 x 165 ft., brick, Wilshire Blvd., to P. J. Walker Co., Garland Bldg.

Calif., Pomona — HOSPITAL — Pomona Valley Hospital Assn., 4 story, 40 x 85 ft., rein.-con., timber, Pomona St., to Storm & Mahoney Inc., Pomona, $150,000. Noted July 14, 1927.

Calif., San Bernardino — THEATRE, STORE and OFFICE—Balch & Stanberry, archts., Film Exch. Bldg., Los Angeles, 2 story, basement, rein.-con., 1,600 seating capacity, I and Court Sts., to Beller Constr. Co., 6519 Hollywood Blvd., Los Angeles, for West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles. $250,000. Noted June 28.

Calif., San Francisco—APARTMENT—V. Fassio, 270 Turk St., 6 story, basement, rein.-con., steel, Leavenworth and Chestnut Sts., to Mission Concrete Co., 125 Kissling St., $155,000.

Calif., San Francisco—OFFICE—Robert Dollar Co., 311 California St., 10 story, basement, Class "A" addition, California St., to K. E. Parker Co., 135 South Park St., San Francisco, $200,000. Noted Apr. 21, 1927.

Calif., San Francisco—OFFICE—C. W. McCall, archt., 1404 Franklin St., 10 story, basement, Class "A" annex, to K. E. Parker Co., 135 South Park St. $200,000. Noted June 28.

Que., Montreal—THEATRE—B. Isaacs, Arlington Ave., Westmount, 80 x 110 ft., brick, stone, St. Catherine St. W., to Bremner Norris & Co. Ltd., 15 McGill College. Est. $250,000.

Buildings—Industrial

Proposed Work

N. Y., Long Island City—FACTORY—Rug Renovating Co., Ridge St., 2 story, 102 x 141 ft., brick, Hopkins Ave., Ridge and Dey Sts. $40,000. Private plans.

N. Y., Mamaroneck—DRY CLEANING PLANT—Owner, c/o J. J. Gloster, archt., 1440 Bway., New York, bids early in August, Fayette St. and Fenimore Rd. $60,000.

N. Y., New York—SERVICE GARAGE—J. L. Grubel, 80 Maiden Lane, plans by N. Langer, 81 East 125th St., 2 story, 100 x 200 ft., brick, rein.-con., 157th St. and Cromwell Ave. $85,000.

N. Y., New York—SERVICE GARAGE —Halcon Constr. Corp., F. B. Hill, pres., 3470 3rd Ave., plans by S. J. Kessler, Inc., 332 East 149th St., 2 story, 80 x 124 ft., brick, rein.-con., Bronx Blvd. and 230th St. $60,000.

N. Y., New York—SERVICE GARAGE and STORE—Harnet Realty Co., H. Perlman, pres., 250 West 57th St., plans by Cohen & Siegel, 45 West 57th St., 2 story, 100 x 125 ft., brick, rein.-con., Westchester and Pugsley Aves. $62,500.

N. Y., New York—SERVICE GARAGE—Leo Silver, Inc., 391 East 149th St., plans by Cohen & Siegel, 45 West 57th St., 2 story, 150 x 180 ft., brick, rein.-con., Fordham Rd. and Bathgate St. $50,000.

N. Y., New York—SERVICE GARAGE—W. Schwere, 1242 Mayflower Ave., plans by J. J. Dunigan, 2382 Grand Concourse, 2 story, 97 x 100 ft., brick, rein.-con., Seabury and Westchester Aves. $60,000.

N. Y., New York—SERVICE GARAGE—T. & R. Constr. Co., S. Tucker, pres., Garrison and Whittier Sts., plans by C. Schaefer, Jr., 332 East 149th St., 1 story, 78 x 293 ft., brick, rein.-con., Brook Ave. and 167th St. $65,000.

N. Y., North Pelham (mail New York)—PRINTING PLANT—Sanborn Map Co., 629 5th Ave., New York, revised plans by O. Cadmus, 157 East 44th St., New York, and bids in November, printing plant. $100,000.

N. J., Beachhaven—ELECTRIC PLANT —Bd. Boro Council, Boro Hall, plans by W. H. Boardman, 426 Walnut St., Phila., Pa., 1 story, basement, brick, stucco, steel, plain found. $50,000.

N. J., Belvidere—DYE HOUSE, POWER PLANT, etc.—Sunbury Converting Wks., c/o W. E. S. Dyer, engr. and archt., Land Title Bldg., Phila., Pa., dye house, finishing buildings, stock storage, office, power plant.

N. J., Carlstadt (Ind. br. Rutherford)—FACTORY—Koeppen Metal Products, Inc., 361 Manhattan Ave., Union City, 2 story, basement, 80 x 350 ft., rein.-con., brick, steel, plain found., State Highway near Carlstadt Sta. $60,000. Private plans.

N. J., Irvington (br. Newark)—PIPE PLANT—American Natl. Moulding Co., 46 Coit St., plans by Fabro Corp., 111 Academy St., Newark, 1 story, basement, 55 x 200 ft., brick, tile, plain found., Coit St. $40,000.

N. J., Plainfield—FACTORY—Owner, c/o A. M. Korff, archt., 203 Park Ave., 1 story, basement, 55 x 100 ft., brick, steel, plain found., North Ave. $40,000.

Pa., Phila. — ABATTOIR and OFFICE —West Phila. Stock Yards, E. B. Shriver, pres., 30th and Race Sts., abattoir and office building 36th St. and Grays Ferry Rd. $1,000,000.

Pa., Sunbury—POWER PLANT—Sunbury Converting Wks., c/o W. E. S. Dyer, engr. and archt., Land Title Bldg., extending power plant, equipment.

Va., Charlottesville—FACTORY—Frank & Sons, Inc., North Bergen, N. J., silk factory. $65,000.

N. C., Albemarle—MILL, Lillian Knitting Mills Co. addition. $250,000.

N. C., Raleigh — MACHINE SHOP, FOUNDRY, etc.—Miner Supply Co., rebuilding machine shop, foundry, recently destroyed by fire. $40,000.

Ga., Cartersville—HYDRAULIC ORE-WASHING PLANT—Georgia Manganese & Iron Co., Atlanta, plans by Perin & Marshall, 40 West 40th St., New York, plant. $250,000.

Miss., Greenville—POWER PLANT, etc. —City, c/o F. Shelben, mayor, preliminary surveys electric light and power plant, distribution system. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

O., Cleveland — SUB-STATION — Cleveland Electric Illuminating Co., 75 Public Sq., 2 story, brick, steel, concrete, 1320 West 25th St. $30,000. Private plans.

Ind., South Bend — PLANT — Farmers Dairy Co., Mishawaka, soon lets contract 2 story, basement, 37 x 54 ft., rein.-con., brick, steel, 724 South Main St. $46,000. W. W. Schneider, 213 Colfax St., archts.

Mich., Ferndale (br. Detroit) — Steel & Tubes, Inc., H. B. Wick, pres., 224 East 131st St., Cleveland, O., plans by Sessions Eng. Co., 228 North LaSalle St., Chicago, Ill. (1st unit), 1 story, 210 x 500 ft., brick, steel factory. $200,000.

Wis., Milwaukee — COLD STORAGE WAREHOUSE — Wisconsin Cold Storage Co., 178-88 Florida St., plans by C. Ringer & Son, 432 Bway., 8 story, basement, brick, tile, concrete, steel, plain found.

Wis., Milwaukee — FACTORY — International Harvester Co., W. B. Swift, assn. mgr., 606 South Michigan Ave., Chicago, Ill., soon lets contract 3 story, 108 x 302 ft., rein.-con., brick, addition, plain found., Park St. Private plans.

Kan., Wichita—PACKING PLANT—F. Dold & Sons, packing Co. plans by Henschin & McLaren, 1637 Prairie Ave., meat packing plant. $150,000.

Texas — PACKING PLANTS — Texas Citrus Fruit Growers Exch., c/o J. Shary, pres., Mission, soon takes bids three 2 story, rein.-con. plants, one at La Feria, one at McAllen, other at Weslaco. $75,000 each incl. equipment, machinery. Private plans.

Tex., Meadow — COTTON GIN — Texas Farm Bureau Cotton Assn., c/o Secretary, 1 story, 50 x 170 ft., galvanized and corrugated iron, semi-fireproof cotton gin. $40,000.

Tex., Slaton—OIL MILL—Abilene Cotton Seed Oil Co., Abilene, 1 story, 90 x 360 ft., steel, corrugated galvanized iron mill. $75,000 or more. Private plans.

Okla., Hazel—ABSORPTION PLANT—Cushing Refining & Gasoline Co., Cushing, gasoline absorption plant, near here. $60,000. Private plans.

Okla., Konawa—ABSORPTION PLANT —Cushing Refining & Gasoline Co., Cushing, L. A. Crenshaw, pres., natural gasoline absorption plant, near here. $50,000.

Okla., Maud — GAS PLANT — T. B. Slick Oil Co., Braniff Bldg., Oklahoma City, sketches natural gas plant. $40,000. Private plans.

Okla., Tonkawa—OIL REFINERY—Tonkawa Petroleum Co., H. Patterson, secy., 2 new high pressure crackling stills replacing part oil refinery, recently destroyed by fire. $65,000. Private plans.

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Buildings—Educational, Religious (Cont.)

Pa., Cannonsburg—SCHOOL—Bd. Educ., 2 story, basement, brick, concrete, steel, to C. W. Shimp, Martins Ferry, O. Est. $150,000. Noted May 31.

Pa., Glassport—HIGH SCHOOL—Glassport School Dist., general contract Junior High School, 2 story, basement, 106 x 204 ft., brick, steel, to Jeannette Lumber & Mill Co., Jeannette, $150,134; heating and ventilating, to W. M. Clark Co., Inc., 19 Lawrence St., New Castle, $32,160. Noted May 10.

Pa., Morganza—GIRLS' DORMITORY—Eric Fisher Wood Co., archts., 233 Oliver Ave., Pittsburgh, general contract 2 story, basement irregular sized brick, steel, concrete, for Pennsylvania Training School, to H. Miller & Sons, 2810 5th Ave., Pittsburgh. Est. $150,000. Noted June 28.

Md., Westminster—DINING HALL and SCIENCE—C. M. and J. G. Anderson, archts., 9 East Pleasant St., Baltimore, 3 story, basement, 35 x 139 ft., concrete, brick, steel, stone, to Thomas Hicks & Son, 106 West Madison St., Baltimore, for Western Maryland College. $150,000. Noted June 21.

N. C., Greensboro—SCHOOL—F. Archer, supt. Schools, 2 grammar schools, in Glendale and Pomona sections, to Angle-Blackford Co., Greensboro, $161,806. Noted June 21.

Ala., Birmingham — SCHOOLS — Bd. Educ., general contract 2 schools for colored children, to W. L. Coston & C. W. Hall, Birmingham, $181,669; plumbing and heating, to J. J. Reese, $28,212.

O., Canton—SCHOOL—Bd. Educ., general contract John Baxter School, 2 story, basement, incl. auditorium, gymnasium, Mayland Park, to R. Hevans Co., Daily News Bldg., $150,000. Noted Apr. 26.

O., Mt. Healthy—SCHOOL—Bd. Educ., 3 story, basement, 61 x 105 ft., rein.-con., brick, plain found. Comptom Rd., to E. Honneycutt, Shaffer St., Cincinnati, $140,000. Noted Apr. 5.

O., Shaker Heights (br. Cleveland) — SCHOOL—Bd. Educ., J. W. Main, clk., South Woodland and Woodbury Rds., 2 story, basement, rein.-con., brick, steel, to G. H. Moehlman, Norwalk, $311,825. Noted May 10.

Ind., Indianapolis—HIGH SCHOOL—School Comrs., 150 North Meridian St., general contract Arsenal Technical High School, rein.-con., brick, steel, to W. P. Jungclaus, 825 Massachusetts Ave., $130,656; heating and ventilating, to Freyn Bros., 1028 North Illinois St., $33,622. Noted Apr. 19.

Ind., Muncie—SCHOOL—School Comrs., general contract 1 story, basement, 200 x 220 ft., brick, steel, stone, to A. J. Glaser, Muncie. Est. $150,000. Noted June 28.

Mich., Detroit — CHURCH — Fourth Church of Christ Scientist, c/o Weston & Ellington, archts., 1507 Stroh Bldg., 1 story, basement, rein.-con., brick, steel, stone, plain found., to H. G. Christman & Burke, 315 Stevens Bldg. Est. $150,000. Noted Feb. 2.

Mich., Detroit — PARISH HOUSE — St. Paul's Methodist Episcopal Church, 13338 Mark Twain Ave., general contract 3 story, basement, 50 x 114 ft., brick, steel, plain found., Grand River and Hubbell Ave., to Max Colter, 1436 Maccabees Bldg. Est. $375,000.

Mich., St. Clair Shores—SCHOOL—Bd. Educ., A. W. Palmer, secy., 2 story, basement, 60 x 145 ft., rein.-con., brick, steel, plain found., Dist. 1, to R. Hill, 415 Brainard St., Detroit. Est. $150,000.

Ill., Downers Grove—SCHOOL—A. Coonley, 3501 Newark St. N.W., 2 story, basement, 168 x 230 ft., incl. auditorium, gymnasium, shower and locker rooms, to Guy & McClintock, Co., Oak Park. Est. $200,000.

Ia., Des Moines—CHURCH—Felt, Dunham & Kriehn, archts., 300 West 47th Sts., Kansas City, Mo., general contract 2 story, basement, rein.-con., brick, stone to A. C. Thomas-Guthrie Co., Endicott Bldg., St. Paul, Minn., for Beaver Avenue United Presbyterian Congregation. Est. $200,000. Noted June 21.

Mo., Columbia — CHURCH — Missouri Methodist Congregation, c/o F. F. Stevens, pastor, 218 Guitar Bldg., completing 2 and 3 story, balcony, 57 x 108 ft., and 87 x 113 ft., rein.-con., brick, cut stone, to J. Epple Constr. Co., Fayette and Ferguson. Est. $425,000. Noted June 14.

Mo., St. Louis — CHURCH — Bethany Evangelical Lutheran Church, A. Behnke, pastor, 4108 Natural Bridge Ave., 1 story, basement, 58 x 121 ft., rein.-con., brick, stone, to Kellermann Constr. Co., Victoria Bldg. Est. $150,000. Noted June 7.

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Mo., St. Louis—SCHOOL—Central Institute for Deaf, M. A. Goldstein, dir., 818 South Kingshighway, general contract 4 story, basement, 78 x 213 ft.; rein.-con., brick, terra cotta, Kingshighway and Papin St., to Dickie Constr. Co., Louderman Bldg. Est. $250,000.

Tex., Odessa—SCHOOL—Bd. Educ., c/o Secretary, 2 story, 80 x 252 ft., rein.-con., semi-fireproof, plain found., to D. N. Leaverton, Lubbock, $155,000.

Calif., Moraga—AUDITORIUM and LIBRARY—St. Mary's College, 1,200 seating capacity, Class "A", to J. P. Brennan, 2233 California St., Berkeley. $1,000,000.

Ont., Newmarket—HIGH SCHOOL—High School Bd., 2 story, basement, rein.-con., brick, steel, plain found., to Avery Shipp Constr. Co., 2850 Dundas St. Est. $150,000.

Ont., Toronto — PARISH HALL and SUNDAY SCHOOL—St. Pauls Angelican Church, Bloor and Jarvis Sts., masonry contract for 2 story, basement, rein.-con., steel, plain found., to Page & Co., 353 Weston Rd.; carpentry work, to J. C. Scott Co. Ltd., 106 River St.; plumbing, heating, electrical work, to Bennett & Wright, 72 Queen St. W.; structural steel, to Dominion Bridge Co., Reford Bldg. Est. $150,000. Noted Feb. 23.

Ont., Welland — SCHOOL — A. B. MacLean, chn. School Bd., general contract 3 story, basement, 70 x 160 ft., concrete, brick, steel, stone, Dennistoun St., to R. Timms, 66 Randolph St., $126,877; plumbing and heating, to J. H. Crow, East Main St., $29,905. Noted June 21.

Federal Government Work

Proposed Work

Conn., Bridgeport—DREDGING—U. S. Engineers Office, Province, R. I., dredging in Bridgeport Harbor.

N. Y., Olcott—SUPERSTRUCTURE—U. S. Engineer Office, Buffalo, concrete superstructure on West Pier Olcott Harbor.

Del., Wilmington—ROADS—U. S. Engineer's Office, concrete surfacing roads in Cecil Co., Md., in lieu of construction of Pivot Bridge, C. & D. Canal.

Va., Quantico—POWER HOUSE, etc.—Spec. 5601—Navy Dept., Bureau Yards & Docks, Wash., D. C., power house, pump house, disciplinary barracks, 7 apartment houses, industrial group at Marine Barracks.

Va., Quantico—ROADS—Spec. 5644—Bureau Yards & Docks, Navy Dept., Wash., D. C., received no bids July 6, bituminous paving roads at Marine Barracks. Noted July 5.

D. C., Wash.—HIGH PRESSURE RETURN LINES—Spec. 5606—Navy Dept., Bureau Yards & Docks, renewal high pressure return lines at Naval Hospital.

Tenn., Memphis—CEMENT—U. S. Engineers Office, furnishing 100,000 sacks American Portland cement.

Missouri and Kansas—CLUMP DIKES—U. S. Engineer's Office, Kansas City, Mo., 2,800 ft. 5 three row pile clump dikes in Missouri River at St. Josephs Bend, Mo.; 5,050 ft. 3 row clump dikes in Missouri River adjacent to Aviation Field at Ft. Leavenworth, Kan.

Texas—DREDGING—U. S. Engineer Office, Galveston, dredging in channel from Galveston Harbor to Texas City.

Bids Desired

N. Y., Syracuse—HYDRAULIC LIFT—July 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., hydraulic lift for U. S. Post Office and Court House.

N. J., Maurice River—DREDGING—July 24, at office U. S. Engineer, Wilmington, Del., dredging, adv. E. N.-R., July 19.

Delaware—DREDGINIG—July 30, at office U. S. Engineer, Wilmington, Del., Murderkill River; adv. E. N.-R. July 19.

Ind., Fort Benjamin Harrison — BARRACKS—July 31, by Constructing Quartermaster, 2 barracks; adv. E. N.-R. July 19.

Ind., Hammond — REMODELING — Aug. 15, my Treas. Dpt., at office Supervising Archt., Wash., D. C., court house and post office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. July 19.

Ill., Great Lakes—HEATING MAINS—Spec. 5487—July 25, at Navy Dept., Bureau Yards & Docks, Navy Dept., outside steam distribution and return systems, watermains and drains at hospital.

Mich., Detroit—DREDGING—Aug. 6, at U. S. Engineer Office, Detroit, Middle Neebish Channel, St. Marys River; adv. E. N.-R. July 19.

Mich., Wyandotte — FOUNDATIONS — July 31, by Treas. Dept., Wash., D. C., at office J. A. Wetmore, superv. archt., [illegible] U. S. Post Office; adv. E. N.-R. July 19.

Texas—DREDGING—Aug. 1, at U. S. Engineer Office, dredging Houston Ship Channel; adv. E. N.-R. July 19. Noted June 28.

Texas—DREDGING—Aug. 15, at office U. S. Engineer, Galveston, channel between Aransas Pass and Corpus Christi; adv. E. N.-R. July 19.

Colo., Denver—VALVES—Aug. 15, by Chief Engineer Bureau of Reclamation, six 60 in. internal differential needle valves in Echo Dam, Salt Lake Basin Project, Utah; 2 short body type valves in Gibson Dam, Sun River Project, Montana; 2 long body type in Coolidge Dam, San Carlos Project, U. S. Indian Irrigation School, Ariz. P. W. Dent, acting comr.; adv. E. N.-R. July 19.

Calif., San Diego—GATEWAY—Spec. 5598—Aug. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., entrance gateway, at Naval Operating Base (Hospital). Noted July 12.

Cuba, Guantanamo Bay—RAILWAY—Spec. 5587—Aug. 15, at Bureau Yards & Docks, Navy Dpt., Wash., D. C., reconstructing Marine Railway; adv. E. N.-R. July 19.

Bids Received

Ala., Mobile—RUNWAY and WATERPROOFING—Treas. Dept. at office Supervising Archt., Wash., D. C., runway and waterproofing, at U. S. Quarantine Station, from Jett-Quill Constr. Co., Mobile, $3,800 and $9,726 respectively. Noted June 14.

Contracts Awarded

Va., Fredericksburg—REMODELING and ENLARGING—U. S. Engineer Office, remodeling and enlarging U. S. Post Office, to C. Weitz Sons, 715 Mulberry St., Des Moins, Ia., $17,486 (120 days). Noted July 12.

O., Cleveland—QUARTERS, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., attendants and nurses quarters, 2 garages at Marine Hospital, to Virginia Eng. Co., 1st Natl. Bank Bldg., Newport News, Va., $143,000 (420 days). Noted July 5.

Unclassified

Proposed Work

AUDITORIUM—**New Bedford, Mass.**—E. T. Caswell, 590 Pleasant St., 1 story 115 x 145 ft., brick, steel truss, Purchase St. $75,000. Private plans.

COAL POCKET—**New York, N. Y.**—M. Warm, 35 St. Pauls Pl., plans by Nicholson Co., 247 Park Ave., 44 x 44 concrete, Pelham Bay Parkway, New York, New Haven & Hartford right-of-way. $20,000.

PLAYGROUND—**Union, N. J.**—Bd. City Council, City Hall, preliminary plans playground, incl. grading, sodding, playground apparatus. $25,000. J. Maulbeck, City Hall, engr.

GRAIN ELEVATOR—**Sioux City, Ia.**—Terminal Grain Corp., 630 Grain Exch. Bldg., soon takes bids 500,000 bu. grain elevator, rein.-con., 14th and Division Sts. $100,000. Homer & Wyatt, 468 Bd. of Trade Bldg., Kansas City, Mo., archts. Excavation and piling for above, awarded to E. A. Whitney & Son, 619 5th St. Noted July 12.

OVERHEAD CROSSING — **LeSueur, Minn.**—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., Railroad Bldg., St. Paul, rein.-con. overhead crossing over tracks. M. F. Clements, c/o owner, bridge engr.

GRAIN ELEVATOR—**Salina, Kan.**—Robinson Milling Co. bids early in 1929, grain elevator, rein.-con., incl. 4 round tanks, 6 interstice bins, 92 ft. high 28 ft. diam., 260,000 bu. capacity. I. L. Zerbe 139½ South Santa Fe St., archt.

SUB-DIVISION DEVELOPMENT — **Corpus Christi, Tex.**—Kelly Bros., Inc., c/o R. Kelly, developing 12 acre sub-division, incl. all utilities. $175,000. Private plans.

TRANSMISSION LINE — **Oklahoma** — South West Light & Power Co., Braniff Bldg., Oklahoma City, preliminary plans 13,200 volt transmission line from Hobart to Roosevelt. $30,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

TRANSMISSION LINE — **Oklahoma** — South West Light & Power Co., Braniff Bldg., Oklahoma City, preliminary plans 13 mi. 33,000 volt electric transmission line from Bessie to Corn. $35,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

GAS SYSTEM—**Atoka, Okla.**—Southern Utilities Co., Durant, granted franchise natural gas system. $30,000. Private plans.

GAS SYSTEM—**Beaver, Okla.**—City preliminary plans natural gas distribution system. $25,000. A. L. Kimball, mayor.

Unclassified (Continued)

UNDERPASS—**Cache, Okla.**—State Hy. Dept., Oklahoma City, 2 span, 60 ft. rein.-con. underpass under Frisco R.R., Comanche Co., $30,000. C. R. Mandigo, hy. engr.

SWIMMING POOL—**Hollis, Okla.**—City preliminary plans swimming pool. $25,000. Coon & McKinnon, Guthrie, engrs.

LIGHTING SYSTEM—**Lone Wolf, Okla.**—"White Way" lighting system. $25,000. Address Mayor.

GRAIN ELEVATOR—**Sallisaw, Okla.**—C. Carson, Stilwell, grain elevator. $30,000. Private plans.

LIGHTING SYSTEM—**Temple, Okla.**—Preliminary plans "White Way" lighting system. $25,000. H. Sullivan, Temple, engr.

GAS SYSTEM—**Texola, Okla.**—Upham Gas Co., Wichita Falls, Tex., granted franchise natural gas system. $25,000. Private plans.

GAS SYSTEM—**Verden, Okla.**—City preliminary plans natural gas distribution system. $25,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

GAS SYSTEM — **Weatherford, Okla.** — Central West Gas Co., W. J. Hollerman, secy., Mer. Natl. Bank Bldg., Oklahoma City, granted franchise natural gas system. $60,000. Private plans.

DOCK and WHARF—**Los Angeles, Calif.**—City of Los Angeles Harbor Comn. dock and wharf, concrete piles and deck with rein.-con. retaining wall surrounding entire property, Berth 181. $100,000. G. F. Nicholson, Pier A, San Pedro, engr.

SUB-STATION — **Modesto, Calif.** — Modesto Irrigation Dist., rein.-con. substation, 12th and B Sts. $25,200. B. W. Creim, Modesto, electric engineer for dist.

LIGHTING SYSTEM—**Oakland, Calif.**—Ornamental lighting system, 323 standards on San Pablo Ave., Clay and Washington Sts. To exceed $25,000. G. N. Randle, city engr.

LIGHTING SYSTEM—**Riverside, Ont.**—See "Streets and Roads."

Bids Desired

OFFAL RECEIVING PLATFORM—**Cambridge** (br. Boston), **Mass.**—City, J. J. Terry, supt. P. Building, City Hall, taking bids concrete, timber offal receiving platform, Raymond and New Sts. $60,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts. Noted June 21.

HEATING SYSTEMS—**Kings Park, N. Y.**—Aug. 1, by Comr. Mental Hygiene, Albany, remodeling heating systems in Wards 51 and 52, Group 2, Building C, Kings Park State Hosital; adv. E. N.-R. July 19. Noted July 12 under "Buildings Commercial."

BORINGS—**Long Island City, N. Y.**—July 20, by Bd. Transportation, 49 Lafayette St., New York, borings. Route 108 along Northern Blvd., Bway., Queens Blvd. and Kew Gardens Rd., Queens Boro.

SUBWAY—**Long Island City, N. Y.**—July 27, by Bd. Transportation, 49 Lafayette St., constructing Sect. 1, Route 108 along and under Jackson Ave. and Northern Blvd. from Queens St. to 37th St., Queens Boro.

GATE SYSTEMS — **Napanoch, N. Y.** — Aug. 2, by Comr. Dept. Correction, 11 North Pearl St., Albany, gate systems at Institution for Defective Delinquents; adv. E. N.-R. July 19.

DUMP, DUMPING PLATFORM, etc.—**New York, N. Y.**—July 20, by M. Cosgrove, comr. Docks, Pier A, Battery Pl., North River, constructing East 73rd and East 74th St. dump, East River, dumping platform, ramp, removals, granite and asphalt block paving, electrical work, plumbing and water supply, Contr. 1889.

FERRYBOATS—**New York, N. Y.**—Aug. 1, by L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, 2 double end steel diesel electric ferryboats for Manhattan State Hospital, Wards Island; adv. E. N.-R. July 19. Noted June 21.

FERRYBOAT MACHINERY—**New York, N. Y.**—Aug. 15, by L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, machinery for 2 double end diesel electric ferryboats for Manhattan State Hospital, Wards Island; adv. E. N.-R. July 19. Noted June 21.

REFRIGERATION WORK—**New York, N. Y.**—Aug. 8, by Comr. Mental Hygiene, Albany, refrigeration work, equipment for New York State Psychiatric Institute and Hospital; adv. E. N.-R. July 19.

STATION FINISH WORK—**New York, N. Y.**—July 31, by Bd. Transportation, 49 Lafayette St., station finish work for 175th, 181st, 190th, Street-Overlook Terrace, Dyckman-200th and 207 St. Stations.

SUBWAY—**New York, N. Y.**—July 24, by Bd. Transportation, 49 Lafayette St., constructing Sect. 1-A, Route 8, part of 14th St.—Eastern Rapid Transit R.R.

HEATING WORK, etc.—**Ossining, N. Y.**—Aug. 16, by Comr. Correction, Dpt. Correction, 11 North Pearl St., Albany, heating work for installing mechanical stokers and replacing feed water heater, etc. Sing Sing Prison; adv. E. N.-R. July 19.

CONCRETE LAMP POSTS—**New Jersey**—July 23, by State Hy. Comn., Broad St. Bank Bldg., Trenton, 112 concrete lamp posts with bronze brackets, incl. balustrade posts on which lamp posts are set and other incidental work on Route 1, Extension 3-12-13-14 A, in Jersey City and Newark. $25,000. State Hy. Engineer, 921 Bergen Ave., Jersey City, engrs.

FRESH AIR CAMP—**Long Branch, N. J.**—July 23, by Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, general contract 1 and 2 story, basement, 150 x 200 ft., brick, stucco, plain found., Ocean and Atlantic Aves., for Salvation Army, 120 West 14th St., New York, $200,000.

TURBINE GENERATOR — **Rushville, Ind.**—July 24, by City Council, 1,500 kw. turbine generator with exciter and auxiliaries, condenser and auxiliaries. C. R. Berry, city clk.

SWIMMING POOL, etc.—**Brea, Calif.**—G. L. May, city clk., taking bids 45 x 105 ft., rein.-con., tile pool, 10 x 45 ft. wading pool, bath house.

LIGHTING SYSTEM—**Los Banos, Calif.**—V. G. Bryant, city clk., taking bids ornamental electrolier system on 1 and 6th Sts. $25,000 or more. Noted July 12.

PILE WHARF—**Clarks Harbor, N. S.**—July 25, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., pile wharf. $25,000.

Bids Received

FAIR BUILDINGS—**Syracuse, N. Y.**—Commissioner Agriculture & Markets, Albany, new agricultural and historical building, Syracuse State Fair Grounds, from Shane Constr Co., Hills Bldg., Proposal 1 $50,500, Proposal 2 $49,000, Proposal 3 $46,400; electrical work, from M. H. Salmon Electric Co., 804 East Water St., Proposal 1 $1,010 & Proposal 2 $950.

UNDERGROUND STEAM CONDUITS—**Totowa** (mail Paterson), **N. J.**—C. N. Leathem, state archt., Trenton, June 20, underground steam conduits, from H. W. Porter Co., Inc., Newark, $23,338; underground steam and return lines, from G. J. Tobin, Plainfield, $8,792; sewers, storm water drains, from New York Sewage Disposal Co., Grand Central Terminal, New York, $10,700; underground high tension electric and telephone lines, from Mercer Electric Co., 338 South Broad St., Trenton, $11,450, all above for New Jersey Training School for Females.

LIGHTING SYSTEM—**Seattle, Wash.**—City, June 29, lighting system on 1st Ave. S., from H. C. Moss, Melhorn Bldg., $54,892.

Contracts Awarded

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 2, Route 109, subsurface railway along and under Jay and Smith Sts. from Willoughby to Baltic Sts., to Rosenthal Eng. & Contg. Co., 21 East 41st St., New York, $4,880,738. Noted May 31.

MONUMENT—**High Point, N. J.**—High Point Park Comn., general contract 34 x 34 ft. granite, brick, steel monument, 218 ft. high, incl. industrial railroad to transport material to job, to Hoffman Constr. Co., Morris Park Ave., Bernardsville. Est. $300,000.

AIRPORT HANGAR—**Newark, N. J.**—Bd. City Comrs., general confract 1 story, 120 x 120 ft., brick, steel airplane hangar, to Shore Constr. Co., 94 Christie St., Newark, $54,645. Noted July 12.

PLAYGROUND—**West New York, N. J.**—Bd. Recreation Comrs., Municipal Bldg., constructing memorial playground, 10th St. and Bway., playground at Washington Pk. at Jackson St. between 13th and 15th Sts. and 23rd St. between Hudson and Palisade Aves., grading, to Conte & Corich, 650 Bergenline Ave., $31,220, fencing to Brook Iron Wks., 99 Church St., New York, $9,050. Noted July 13.

SHEET METAL, etc.—**New Orleans, La.**—Bd. Port Comrs., New Court House, sheet metal work, asbestos siding, metal sash and glazing in Poydras and Girod St. Wharf Sheds, to Blattman-Weiser Sheet Metal Wks., 1001 Toulouse St., $34,290. Noted Apr. 26.

UNDERPASS—**Shreveport, La.**—Texas & Pacific R.R. Co., E. F. Mitchell, ch. engr., Dallas, rein.-con., steel underpass, on Hotchkiss St., to T. P. Johnson, Dallas, Tex. $33,000.

CULVERTS—**Iowa**—See "Streets and Roads."

LIGHTING SYSTEM—**Cedar Rapids, Ia.**—Electric lighting system, incl. 154 standards, 14 regulators, 7 switches, single conductor cable, to H. J. Robertson Electric Co., 92-1st Ave. W., using G. E. form Novalux light, etc. $43,982. Est. $38,551. Noted June 21.

GRAIN ELEVATOR—**Sioux City, Ia.**—See "Proposed Work."

UNDERPASS CROSSING — **Hawley, Minn.**—Northern Pacific Ry. Co., rein.-con. underpass crossing, to Industrial Contg. Co., 3050 4th Ave., South Minneapolis. Est. $25,000. Noted Apr. 5.

GRAIN ELEVATOR — **Omaha, Neb.** — Nebraska Consolidated Mills Co., c/o A. R. Kinney, pres., 1513 Sherman Ave., 45 x 135 ft. grain elevator, 125 ft. high, rein.-con., 262,000 bu. capacity, 1600 Block Sherman Ave., to Edwin Ahlskog Co., 6226 Kimbark St., Chicago, Ill. Est. $80,000.

TRANSMISSION LINES — **Oklahoma** — South West Light & Power Co., Braniff Bldg., Oklahoma City, to C. L. Berger, Braniff Bldg., 19 mi. 33,000 volt electric transmission line from Sayre to Erick, $51,340 est. $55,000; 17 mi. from Duncan to Comanche, $46,640 est. $48,000; 24 mi. from Thomas to Arapahoe, $67,380 est. $70,000, 13 mi. from Willow to Brickman, $36,410 est. $33,000. Grand total $202,770. Noted Dec. 29.

TRANSMISSION LINE, etc.—**Washington**—City Council of Morton, transmission line between LaGrande and Morton and distribution system, to F. A. Keasel, 1004 North Cushman St., Tacoma, $65,000. Noted July 5.

ELEVATORS—**Seattle, Wash.**—Northern Life Insurance Co., 1118 5th St., furnishing, installing 1 service and 5 passenger elevators in 27 story office building, to Kaestner & Hecht, 1500 North Branch St., Chicago, Ill., $200,000. Noted Mar. 22 under "Buildings—Commercial."

LIGHTING SYSTEM—**Bakersfield, Calif.**—Ornamental lighting system on 18th St., to R. A. Wattson, 1026 North McCadden St., Los Angeles, $22,424. Est. $28,000. Noted June 14.

Materials

Bids Desired

PITCH JOINT FILLER and STONE—**New York, N. Y.**—July 26, by H. Bruckner, pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., 75 tons pitch joint filler, 5,000 cu. yd. ¾ in. stone.

MACADAM and CONCRETE—**Woburn, Mass.**—July 24, by Eastern Massachusetts Street Ry. Co., 38 Chauncy St., Boston, 15,000 sq.yd. 5 in. macadam or 6 in. concrete at company's bus garage, Harrison Avenue. Private plans.

CABLE—**Phila., Pa.**—July 24, by Dpt. City Transit, C. E. Myers, dir., City Hall Annex, 18,000 lin.ft. No. 14 A. W. G. soft-drawn annealed copper cable, Contr. 30.

STRUCTURAL STEEL, FROGS, and CROSSINGS—**Phila., Pa.**—July 25, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., structural steel for bridges, Contr. 58-1928; frogs and crossings, Contr. 59-1928.

PIPE—**Plant City, Fla.**—July 23, by Bd. City Comrs., 2,800 lin.ft. 18 in. vitr. clay pipe f.o.b. Plant City. E. H. Thompson, city mgr.; adv. E. N.-R. July 19.

CEMENT PLANT EQUIPMENT, etc.—**San Antonio, Tex.**—Terrell Bartlett Engineers, Calcasieu Bldg., taking bids equipment for cement plant, Austin Rd., point 8 mi. north of here, incl. cement machinery, sewerage system, waterwell equipment, water distributing pipe, etc., for Smith Bros. Properties, Inc., c/o J. W. Young, 431 South St. Marys St. Total $2,000,000. Noted June 7 under "Buildings—Industrial."

METER BOX RINGS—**Oklahoma City, Okla.**—Mayor and City Council in market 2,000 c.i. meter box rings. M. Peshek, city clk.

TIES—**Montreal, Que.**—July 25, at office G. P. MacLaren, genl. tie and timber agt. Canadian Natl. Express Bldg., beach, hard maple, oak, chestnut, yellow birch, hamlock, jackpine, princess pine, tamarac and cedar timber railway ties cut between Sept. 1, 1928 and May 1, 1929, delivered between Jan. 1, and Sept. 1, 1929, f.o.b. cars Canadian Natl. Rys.

Contracts Awarded

PIPE—**Baltimore, Md.**—Bd. Awards, rein.-con. pipe, to Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $54,580.

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson, purch. agt., 7,500 bbl. portland cement, to Tews Lime & Cement Co., 32 North Ave., at $1.94 per bbl. Noted July 12.

See proposal advertising on page 144

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UNIT PRICES

Bridge Approaches, Superstructure, Chicago, Ill.

Seven bids were opened by Sanitary District of Chicago, 910 South Michigan Ave., Apr. 19, for South Crawford Avenue Bridge Approaches, Superstructure, Contract 4. Involves construction of retaining walls, abutments, piers and superstructure for reinforced-concrete and structural steel viaduct approaches. Work consists largely of excavation, fill, reinforced concrete work, structural steel work and castings, paving and miscellaneous work on sewers, drains, manholes and conduits. Approaches will be constructed north of and south of South Crawford Avenue Bascule Bridge now being built over Main Drainage Channel of Sanitary District. Bidders are: (A) Underground Construction Co., 130 North Wells St., (awarded contract); (B) Warner Construction Co., 173 West Madison St.; (C) Van Sickle-Hilfer Co., 530 North Blvd.; (D) American Sewer & Drain Construction Co., Touhy and Kedzie Aves.; (E) Mackie-Thompson-Tamm, Inc., 228 North LaSalle St.; (F) M. E. White Co., 1735 Fullerton Ave.; (G) Great Lakes Construction Co., 25 East Jackson Blvd.

	A	B	C	D	E	F	G
13,000 cu yd. earth excavation	$2.25	$1.75	$2.50	$2.90	$3.00	$4.20	$4.92
5 M. ft. b. m. sheeting and timbering	40.00	40.00	40.00	40.00	40.00	40.00	40.00
35,000 cu yd. sand and gravel fill	2.75	1.90	1.88	2.90	3.50	2.50	5.80
8,000 cu yd. conc. in cantilever retaining walls and in piers	16.00	16.00	11.34	22.40	18.50	23.00	30.52
2,600 cu yd. conc. in counterfort retaining walls and in counterfort abutments	20.00	20.00	14.70	25.00	27.50	28.00	36.89
8,500 cu yd. conc. in rein.-con. viaduct and in deck on steel spans	25.00	25.00	34.67	36.40	33.00	37.00	50.22
8,000 sq yd. conc. pavement slab on filled approach	3.00	3.80	2.36	3.50	4.50	4.15	6.97
20,000 sq ft. conc. sidewalk slab on filled approach	.45	.33	.285	.40	.45	.45	.62
2,600 lin ft. combined curb and gutter on filled approach	2.00	2.00	2.12	2.00	2.00	1.90	4.02
1,600 cu yd. conc. ballast in street railway trough	10.00	11.00	9.35	15.00	12.00	13.25	20.55
2,500 lin ft. conc. hand rail	11.00	6.00	10.80	13.00	14.00	12.00	20.56
1,000 cu yd. conc. encasement of steel spans	60.00	27.00	27.47	75.00	100.00	86.50	93.59
1,700,000 lb. reinforcement steel	.05	.0475	.045	.058	.06	.065	.085
1,300,000 lb. structural steel	.0585	.055	.0685	.085	.095	.105	.115
72,000 lb. roller nests for conc. and steel spans	.15	.21	.242	.15	.20	.25	.40
24,000 lb. cast steel expansion joints and drainage inlet grates	.20	.215	.17	.18	.21	.23	.34
37,000 lb. iron casting and ladder rungs	.10	.10	.12	.10	.10	.14	.26
2,320 lin ft. wrought iron hand rail	2.85	3.50	2.75	3.00	3.50	4.85	5.15
750 lin ft. 2-in. wrought iron water pipe	1.50	1.50	.70	2.50	2.50	1.75	2.70
15,500 lb. 8-in. cast iron down spouts on open approach	.1225	.10	.08	.18	.16	.14	.16
102,000 sq ft. waterproofing paper	.05	.11	.03	.08	.07	.085	.17
52,000 sq ft. waterproofing mastic on open approach	.10	.29	.09	.16	.18	.16	.55
160 sq ft. 2-in. mastic preformed joints	1.00	.50	.125	.80	.90	.95	1.08
6,000 sq ft. 1-in. mastic preformed joints	.40	.25	.61	.50	.45	.65	.59
8,000 lb. asphalt in and around roller nests	.10	.05	.045	.11	.12	.10	.09
1,500 lin ft. 16-in. copper expansion joints	1.15	1.35	1.25	2.00	1.75	1.45	2.37
1,000 lin ft. 12-in. copper expansion joints	1.00	1.05	1.05	1.50	1.50	.95	1.83
1,700 lb. galvanized iron roller nest enclosures	.50	.17	.16	.45	1.00	.35	.37
11,500 sq yd. durax block paving	6.00	7.65	6.95	8.25	7.50	7.75	12.70
600 lin ft. 12-in. tile drain	1.75	5.00	6.00	1.90	2.00	3.75	5.40
950 lin ft. 8-in. tile drain	1.50	1.20	2.42	1.50	1.75	2.50	4.18
300 lin ft. 4-in. tile drain	1.00	1.05	7.85	1.20	1.00	1.75	2.82
560 lin ft. rebuilding present 10-ft. 6-in. sewer	80.00	137.00	109.00	150.00	145.00	98.00	190.00
100 lin ft. standard sewer manholes	15.00	20.00	7.15	22.00	20.00	17.00	17.54
30 combined trolley pole foundations and lighting handholes in filled approach	110.00	125.00	80.00	100.00	120.00	122.00	250.55
13 conduit manholes in roadway of filled approach	225.00	140.00	125.00	300.00	275.00	280.00	390.73
120 lin ft. 12-in. ingot iron pipe	5.00	6.00	7.85	5.00	7.00	5.50	9.95
3,800 lin ft. 4 duct tile conduit under roadway and sidewalk in filled approach, encased	1.50	3.00	1.22	3.00	3.25	3.05	6.66
1,300 lin ft. 2 duct tile conduit in filled approach, encased	1.25	2.15	.98	2.00	2.25	2.30	4.96
150 lin ft. 1 duct tile conduit in filled approach, encased.	1.00	1.70	.87	1.00	1.50	1.75	4.00
14,000 duct ft. 3½-in. fibre conduit in open approach	.50	1.20	.305	.48	.50	.53	.80
5,000 sq yd. conc. pavement over track troughs	2.5	2.40	2.35	3.00	4.20	3.90	7.79
Totals	$972,484	$975,109	$979,394	$1,291,168	$1,325,871	$1,346,014	$1,960,000

Engineering News-Record, Issue of July 19, 1928.

Paving Prices Bid at Fayetteville, N. C., May 31, 1928

Thomas D. Rose, Engineer

14,620 sq yd. plain cement concrete base 5 in.	$1.00	$1.20	$0.98	$1.15	$1.12	$1.10	$1.15	$1.30	$0.96	$1.10
14,620 sq yd. amiesite wearing surface	1.35	1.38	.....	.....	.....	1.64	1.68	1.35	.....	1.36
14,620 sq yd. amiesite wearing surface with bond	1.40	1.40	.....	.....	.....	1.69	1.73	1.45	.....	1.41
14,620 sq yd. asphaltic concrete, coarse aggregate type	1.00	.....	.97	1.16	1.20	1.05	1.07	.....	.....	.86
14,620 sq yd. asphaltic concrete, with bond	1.03	.....	1.02	1.21	1.25	1.10	1.13	.....	.....	.91
14,620 sq yd. asphaltic concrete, fine aggregate type	.90	.....	.84	1.16	1.13	.97	1.02	.....	.....	.79
14,620 sq yd. asphaltic concrete, fine aggregate, with bond	.93	.....	.89	1.21	1.18	1.02	1.06	.....	.....	.84

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Excavation, etc., La Porte, Tex., C. A. Barbour, et al, Houston, total est. $15,000,000.

Hotel, Oklahoma City, Okla., C. F. Colcord, plans, $4,000,000.

Apartments, Wash., D. C., H. Bralove (owner and builder), soon takes subcontracts, $3,500,000.

Store, theatre, office, New York, N. Y., Jerroid Holding Co., plans, $2,500,000.

Office and garage, San Antonio, Tex., J. M. Nix, revised plans, $2,000,000.

Office, Los Angeles, Calif., Southern California Edison Co., plans, $2,000,000.

Department store, Dallas, Tex., Titche-Gettinger Co., bids in August $1,500,000 or more.

School, Tulsa, Okla., sketches, $1,500,000.

Loft, office, store, New York, N. Y., Estate of W. DeForrest Manice, c/o Clifton & Russell, archts., $1,200,000.

High school, Lynn, Mass., City, plans, $1,000,000.

Club, store and theatre, Newark, N. J., Steuben Club of Newark, Inc., revised plans, $1,000,000.

Apartment, New York, N. Y., Hood Building Corp., plans, $1,000,000.

Dormitories, Delaware, O., Ohio, Wesleyan University, plans, $1,000,000.

Historical, Chicago, Ill., Chicago Historical Society, sketches, $1,000,000.

Office, Kansas City, Mo., owner, c/o S. B. Tarbet, archt., plans, $1,000,000.

Bids Desired

Office, Ottawa, Ont., Sept. 5, by S. E. O'Brien, secy. Dpt. P. Wks., $4,000,000.

Produce terminal, Providence, R. I., July 27, by Produce Wholesale Food Terminal, c/o architects, $3,000,000.

Theatre and apartment, Greenwich, Conn., Lincoln Theatre Enterprise, Inc., taking bids, $2,000,000.

Apartment, New York, N. Y., Sept. 1, by Caul Realty Corp., $1,000,000.

Theatre and store, Ridgewood, N. J., North Oak Impvt. Co., taking new bids, $1,000,000.

Hotel, Phila., Pa., July 30, by P. M. Julian, archt., Wash., D. C., for Blackstone Hotel Co., $1,000,000.

Bids Received

High school, Brooklyn, N. Y., C. E. Dobbins, acting supt., general contract from T. G. Sperling Co. and others, totaling $2,074,897.

Contracts Awarded

Office and hotel, Newark, N. J., Lefcourt Realty Holdings, New York, separate contracts, $10,000,000.

Bridge, Rhode Island, Washington Bridge Comn., Providence, to Merritt, Chapman & Scott, New York, $2,984,000.

Waterworks, Springfield, Mass., Bd. Water Comrs. Contr. 11, to Winston & Co., Kingston, N. Y. and others, totaling $2,088,000.

Hotel, Newark, N. J., Majestic Holding Co., general contract to W. J. MacEvoy Constr. Co., est. $2,000,000.

Apartment, St. Louis, Mo., Meyer Finkelstein, et al., to J. W. Kopman Constr. Co., est. $1,900,000.

High school, New York, N. Y., C. E. Dobbin, acting supt. general, contract to Psaty & Fuhrman, Inc. and others, totaling $1,649,035.

Theatre, Jersey City, N. J., C. W. & G. L. Rapp, archts., New York, to M. Mason & Son, Brooklyn, N. Y., for Jersey Blvd. Corp., est. $1,500,000.

Apartment, Los Angeles, Calif., United Pacific Securities Co., day labor and segregated contracts, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 48.

Construction News of the Week

Waterworks

Proposed Work

N. J., Newark—North Jersey Dist. Water Supply Comn. revised plans by Fuller & McClintock, engrs., 170 Bway., New York, Wanaque Aqueduct. $800,000.

La., Mansfield—Mayor rejected bids June 26, 2,694 ft. 2- to 4-in. c.i. water mains and 2,460 ft. 6 and 8 in. vitr. clay sewers. Will readvertise. Noted June 7.

Mich., Detroit—Dpt. Water Supply, extending 9,965 ft. 6- to 12-in. mains in Six Mile Rd., Terry Blvd., Outer Dr., Old Town, Shaftsbury, and Warwick Aves. G. H. Fenkell, 176 East Jefferson Ave., engr.

Tex., Mercedes—Central Power & Light Co., c/o Frost Bldg., San Antonio, enlarging water filtration plant to 1 m.g. capacity. $60,000. Private plans.

Colo., Boulder—Pub. Serv. Co., 15th and Champa Sts., Denver, large reservoir to serve power plant, incl. spillway, dams, ditches. $40,000. A. F. Nordman, 960 Sherman St., Denver, in charge.

Bids Desired

N. Y., Long Island City—July 27, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bway, Woodhaven Blvd., Charlotte Lane, 84th Rd., 37th, Jay, 25th, Beech, Laburnum and 72nd Aves., 40th, 44th, Kennedy, 117th, 146th and 159th Sts.

N. Y., New York—July 31, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., subsurface booster pumping station, at West 246th St. between Delafield Ave. and Fieldston Rd., Bronx Boro.

N. J., South Orange—Aug. 15, by Water Com. Bd. Village Trustees, Village Hall, multiple unit, Zeolite Water Softening Plant. I. T. Redfern, village engr.; adv. E. N.-R. July 26.

Pa., Neville Twp. (Coraopolis P. O.)—Aug. 7, by Bd. Comrs., Twp. Hall, 25,000 ft. 12 in. and 8,000 ft. 6 in. c.i. water mains; 6,300 ft. 8 in. sanitary sewers. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.; adv. E. N.-R. July 26.

Pa., Phila.—July 31, by Dpt. P. Wks., Bureau of Water, engine room floor, Contr. 931, and plumbing, Contr. 932, Torresdale Pumping Station; 24 in. check valves, 16 and 24 in. valves and specials, Contr. 933; 30 in. steel water pipe, Rising Sun Ave., Contr. 934; 205 tons 3- to 36-in. c.i. water pipe, Contr. 935; stop valves, Contr. 936; 300 tons low pressure fire hydrants, Contr. 937.

Fla., Boca Raton—Aug. 15, by Mayor and Bd. Town Comrs., Town Hall, 500,000 g.p.d. water treatment plant, pumping station. H. S. R. McCurdy, 762 Lancaster Ave., Bryn Mawr, Pa., consult. engr.; adv. E.N-R. July 26.

La., Mansfield—Aug. 2., by J. S. Ament, engr., Mansfield, extending water works, incl. 14,160 ft. 4 and 6 in. c.i. pipe twenty-three 4 in. and six 6 in. fire hydrants in place; thirty 4 in. and eleven 6 in. each, gate valves and boxes.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

O., Cleveland—Aug. 1, by Comrs. Cuyahoga Co., 3,120 ft. 6 and 8 in. c.i. mains in Highland and Elmwood Dr., (Impvt. 1156). F. Williams, Court House, engr.

Ind., Salem—Aug. 6, by Bd. Town Trustees, improving waterworks, incl. drilling two 10 in. wells, equipping same with electric driven water pumps, motors. O. W. Bowers, pres.

Mich., Detroit—July 31, by Hubbell, Hartgering & Roth, engrs., 2640 Buhl Bldg., 20,000 ft. 6 and 8 in. c.i. mains in Bon-Telegraph Subdivision, Dearborn Twp. near here, for Arthur Land Co., c/o engineers.

S. D., Yankton—Aug. 2, by J. W. Summers, city aud., low service pump houses on piers of Meridian Highway Bridge; water treatment plant, high service pumps, discharge pipe between plant and distribution system. $120,000. Burns & McDonnell Eng. Co., 402 Interstate Bldgs., Kansas City, Mo., engrs. Noted May 3.

Mo., Chillicothe—July 28, by E. Johnson, city aud., one 500 hp. water tube boiler with superheater, stoker; erecting stoker for above boiler; one 1,500 hp. feed water heater f.o.b. cars, etc. E. E. Harper, 4010 Penna. Ave., Kansas City, consult. engr.

Wash., Elma—City Council bids about Aug. 11, 500,000 gal. tank, engines, new mains. $25,000.

Calif., Oakland—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Calif., San Bernardino—City Council taking bids sinking new deep artesian well in bedrock, probably 1,500 ft., with steel casing 16 in. diam., to be reduced to 12 in. after 1st 600 ft., in Antil Basin.

Calif., San Bernardino—City Council taking bids 10 m.g. reservoir on summit Perris Hill, incl. removal 47,900 cu.yd. dirt and rock from area of 38,964 sq.ft. at bottom and 51,653 sq.ft. top. W. Starks, city water supt.

Calif., Tracy—Aug. 7, by G. L. Frerichs, city clk., 100,000 gal. steel tank and tower, water distributing system. To exceed $15,000. E. T. A. Bartlett, city engr.

Alta., Drumheller — Aug. 20, by H. A. Brown, secy.-treas., constructing pump pit and building, deep well, installing pump, laying water mains. Haddin & Miles, Ltd., Calgary, consult. engrs.

Contracts Awarded

Mass., Springfield — Bd. Water Comrs., reservoir-dam, Contr. 11 to Winston & Co., 277 Fair St., Kingston, N. Y., $1,437,000; tunnel, to Frazier-Davis Co., Arcade Bldg., St. Louis Mo., $651,000. Noted July 19.

N. Y., Albany—Bd. Water Supply, Alcove Dam, to Winston & Co., Kingston, $747,449. Noted June 28.

See proposal advertising on page 122

Constr. News page 43

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

This illustration shown here is a scene from an installation where Leadite was used with c. i. bell and spigot pipe.

These lines are in one of the fastest growing cities in the South. The speed of Leadite jointing makes it possible to lay pipe fast enough to keep up with the new building and real estate expansion.

In addition, Leadite joints are permanent. For over 30 years Leadite has been tested and used under all pipe laying conditions and has proven completely satisfactory.

The saving of labor time and advantages of using Leadite produce a saving of over 75% of the cost of making the joints.

Benefit by the experience of thousands of engineers, superintendents and contractors who have used Leadite.

Specify and use **LEADITE** It saves at least **75%**

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years

THE LEADITE COMPANY
Land Title Building - - Philadelphia, Pa.

NO CAULKING

Waterworks (Continued)

N. J., Fair Lawn—Boro Council, deep well for waterworks, to New Jersey Artesian Well Drilling Co., 310-5th Ave., Paterson, at $4.25 to $7.50 per ft. Noted July 12.

O., Cincinnati—For 16,025 ft. 6- to 16-in. mains in Langdon Farm Rd., and 77,274 ft. 6- to 12-in. ci. l. Water Supply Line 30, posts. 1 and 8, to Crumley, Jones & Crumley, 311 Temple Bar Bld., $28,414 and $130,428 respectively est. $34,000 and $144,276 respectively lining Eastern and Western Hills Water Tanks, to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa., $41,231, est. $45,000. Grand total $200,073.

O., Cleveland—Cuyahoga Co., mains in Lindale Rd. (Impvt. 163), to J. Kalill & Jackson, Triskett Rd., $21,049. Noted July 19.

Ill., Chicago—Bd. Local Impvts., City Hall, water service pipes in West 79th, 80th and 81st Places, West 80th and 81st Sts., Ardmore, Claremont, Peterson, Emerald Euclid, Constance, Bennett, North Neva, Ignatius, Schreiber, South Homan, Turner, South Trumbull and South St. Louis Aves., to Washington Plumbing & Heating Co., 461 North Halsted St.; Honore and South Lincoln Sts., North Rutherford, Normandy, Natoma; Nashville, North Kedzie, Woodland and Duval Aves., to Walsh & Metzger, Inc., 6828 South Chicago Ave.; West 63rd St., East End, North Merrimac, Cornell, Ridgeland and Creiger Aves., to P. J. Colins Co., 5521 Bway.; West 83rd, 84th, 90th, 100th, 101st and 102nd Places, West 83rd, 84th, 85th, 100th, 101st, and 102nd Sts., Oakley, Claremont, South Irving and Princeton Aves., to G. D. Hardin, 3130 Indiana Ave.; West 70th Pl., West 69th, 70th and 71st Sts., to Reliance Plumbing Co., 461 North Halsted St.

Ill., Winfield—For 6- to 10-in. c.i. mains, to Allied Contractors, Inc., 80 East Jackson Blvd., Chicago, $41,950.

Sewers

Proposed Work

R. I., Providence—Sewage disposal plant, Fields Point Stct. T. J. H. Pierce, City Hall, engr.

N. J., Lodi (Ind. br. Hackensack)—Twp. Com., sewerage system in sections east of New Jersey and New York R.R. $50,000. A. Noack, 236 Main St., Hackensack, twp. engr.

N. J., Lyndhurst (br. Rutherford) — Storm and sanitary sewers. T. F. Bowe, 110 William Sts., New York, consult. engr.

N. J., Bergenfield—Joint Bd. Councils Bergenfield and Dumont, Boro Hall, Dumont, soon takes new bids altering sludge bed at joint sewerage treatment plant. $65,000. Former bids rejected. T. F. Bowe, Association Bldg., East Rutherford, engr. Noted July 19.

N. J., Nutley (br. Newark)—Bd. Comn., Town Hall, sewer in Bloomfield Ave. $60,000. G. R. Hartley, town engr.

N. J., Saddle River—Twp. Com., Township Hall, sewerage system in Roseville Dist $97,000. A. Noack, 236 Main St., Hackensack, twp. engr.

O., Columbus—For 1,140 ft. 72 in. and 1,920 ft. 66 in. brick or segmented concrete, 4,740 ft. 30- to 72-in., vitr. sewers in Northwood Ave. $135,528. R. H. Simpson, ch. engr.

Ill., Bartlett—Sewers, sewage treatment plant. $119,000. Suhr, Berryman, Peterson & Suhr, 130 North Wells St., Chicago, engrs. Noted July 14.

Ill., Fox River Grove—Sewers, sewage treatment plant. $143,000. Suhr, Berryman, Peterson & Suhr, 130 North Wells St., Chicago, engrs.

Bids Desired

Mass., Boston—Aug. 2, by Dpt. P. Wks., sewerage works in Hyde Park; Aug. 3, in Dorchester. $25,000. J. H. Sullivan, comr.

Mass., Concord—July 31, by Metcalf & Eddy, engrs., Statler Bldg., Boston, 4 mi. vitr. sewers, Contr. 2, for Town. Noted July 19.

N. Y., Ossining—Aug. 7, at office L. H. Acker, village clk., Municipal Bldg., storm drains in Ryder Rd. and Eastern Ave., adv. E.N.-R. July 26.

N. J., Newark—July 24, by Bd. Freeholders Essex Co., Hall of Records Bldg., drainage system in Essex Falls, Caldwell and Irvington. $50,000. J. Stickel, Hall of Records Bldg., co. engr.

N. J. Newton—Aug. 13, by Town Com., Spring St., H. S. Masters, clk., altering, constructing additions at Sparta and Clinton St. Sewage Treatment Works, T. F. Bowe, 110 William St., New York, consult. engr.; adv. E. N.-R. July 26.

N. J., Ridgefield Park—July 24, by Bd. Village Comrs., Municipal Bldg., in East Side Sewer, Sect. 3. $25,000 appropriated, T. R. Boswell, 160 Johnson Ave., Dumont, village engr.

Pa., Ambridge—Aug. 6, by Boro. Boro Bldg., 804 ft. 20 and 24 in. c.i. and 7,448 ft. terra cotta sewer from Ohio River over 19th St. and Duss Ave., Contr. 1; 4,934 ft. 6- to 24-in. terra cotta sewer in Duss Ave., 11th and 10th Sts. Contr. 2. A. W. Johns, boro mgr.

Pa., Neville Twp. (Coraopolis P. O.)—See "Waterworks."

Md., Towson—Aug. 6, by Comrs. Baltimore Co., Court House, sewers in vicinity Arbutus and Hale-Thorpe. Contr. 12. S. A. E. Walden, ch. engr.; adv. E. N.-R. July 19 and 26.

Ky., Paducah—Aug. 7, by E. R. Bradshaw, comr. P. Wks. sewerage system in Zone 4-A. Dist. 3, incl. 71,020 ft. 8- to 72-in. pipe, 77,940 ft. house service line, 193 manholes, 390 inlets, 14 junction structures. Noted July 5.

Mich., Dearborn—Aug. 1, by M. A. Stevens, city clk., 16,790 ft. 12- to 48-in. concrete sewer in Lateral Dist. 23. R. H. Erley, city engr.

Mich., Pontiac—July 28, by City Clerk, LeBaron Farm Subdivision Storm Sewer, 5,899 ft. 36- to 66-in. concrete, 8,287 ft. 12- to 24-in. double strength vitr. pipe, 58 manholes, 120 catch basins. J. R. Pollock, city engr.

Ill., Chicago—Aug. 2, by M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., West Side Sewage Treatment Works, Div. P. T. J. Crowe, pres.; adv. E.N.-R. July 26.

Ill., Winthrop Harbor—July 30, by Bd. Local Impvts., sanitary sewers. C. Fago, village clk.; adv. E.N.-R. July 26.

Minn., Alexandria—Aug. 16, by H. S. Campbell, city clk. **(A)** 2,605 ft. 8- to 18-in vitr. pipe, 888 wyes and tees, 124 manholes **(B)** 45,035 ft. 8- to 18-in. vitr. pipe, 888 wyes and tees, 124 manholes; **(C)** Imhoff tanks, pumping station and force main. $100,000. S. A. Siverts, 454 Sexton Bldg., Minneapolis, engrs. Noted June 28.

Minn., Morris—Aug. 8, by F. E. Ware, city mgr., 6,443 ft. 15 in. vitr. sewers, 18 manholes, diversion manhole, settling plant, 2 sludge beds. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted June 28.

N. D., Jamestown—Bids about Aug. 15, sewage disposal plant, auxiliary piping. $120,000. W. E. Buell & Co., Grain Exch. Bldg., Sioux City, Ia., engrs. Noted July 12.

Tex., Houston — Aug. 15, at office City Secretary, storm sewer in Yale St. and in gully between Oxford and Beverly Sts. O. F. Holcombe, mayor; adv. E. N.-R. July 26.

Tex., Weslaco—Aug. 10, by City, D. E. Kirkan, mayor, 2 story, brick, rein.-con. filteration plant. $40,000. W. E. Anderson, San Benito, engr.

Calif., Truckee — F. S. Powell, secy. Truckee Sanitary Dist., taking bids sewage disposal plant, outfall sewer. $25,000 or more.

Ont., Toronto—July 27, by W. D. Annis, clk. Scarborough Twp., 125,000 lin. ft. 21- to 54-in. trunk sewer Contras. G., H. and K. $125,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Contracts Awarded

Mass., Springfield—City, Street Engineering Dpt., City Hall, general contract 1 story, brick, pumping station plain found., to F. T. Ley & Co. Inc., 20 Providence St., Boston, $87,000—pumping equipment, to Warren Steam Pump Co., 101 Milk St., Boston, $28,584.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Sexton Pl., to C. Turiano Contg. Co., 2911 Coddington Ave., $8,080—Barnes Ave., to Trebell Contg. Co., $3,140—Stadium Ave., to Slack & Slack, 134 Westchester Sq., $101,832—Kings College Pl., to P. Bruno, 1659 Holland Ave., $3,143. Grand total $116,195. Noted June 14.

N. Y., White Plains—Westchester Co. Sanitary Sewer Comn., 3 mi. Mamaroneck River Valley Trunk Sewer, to A. Gregorio & Co., 1121 Neil Ave., New York, $226,408.

N. J., Essex Fells—Bd. Boro Council, sewers in Fells Welsh, Hillbury, Oldchester and Hawthorne Rds., to Amer. Utilities Contg. Co., 665 Broad St., Newark, $27,978. Noted June 28.

Miss., Iuka—Sewerage system, to E. J. Kirkpatrick, Florence, Ala., $21,919.

O., Akron—F. F. Swineford, dir. Serv., rein.-con. piling substructure Cuyahoga River Outfall Sewers, to T. E. McSchaffrey Constr. Co., 173 Forge St., $107,810. Est. $127,000.

O., Cleveland—Cuyahoga Co., 7,000 ft. 8- to 24-in. vitr. clay sewers in West Lake Rd. (Impvt. 1002), to E. P. Langenham Co., Marshall Bldg., $59,715.

O., Garfield Heights (br. Cleveland)—Village, sewer line in Shady Oak Rd., to D. Rossi-Marceletti Co., 11696 Willard Ave., Cleveland, $30,963.

Ark., Ft. Smith—For 2,720 ft. 3 to 5 ft. and 1,500 ft. 27 and 30 in. sewers, to McEachin & McEachin, Home Insurance Bldg., Little Rock, $78,542. Est. $84,000. Noted June 21.

Tex., Houston—City, c/o O. F. Holcombe, mayor, sanitary and storm sewers in Taum St. and Dennis Ave., to C. K. Horton, 2202 Clay Ave., $23,526. Est. $25,000.

Calif., Los Angeles—Los Angeles Co. Sanitation Dist. 2, 9,500 ft. 39 in. rein.-con. sewer from Vinvale to Randolph Sts., to Bebek & Brkich, 425 West 78th St., Los Angeles, $113,035.

Waste Disposal

Bids Desired

W. Va., Follansbee — July 31, by City Manager, and R. G. Bollinger, city clk., 25 ton high temperature garbage incinerator plant.

Tex., Houston — Aug. 1, by City, incinerator, 10 ton per hr. capacity. $75,000. J. C. McVea, city engr.

Contracts Awarded

N. J., Paterson—Bd. P. Wks., City Hall, incinerator, general contract plumbing, electric and conveyors, to Maggi & Schoonover, 165 Market St., Paterson, $278,750; sheet metal and ventilating to Universal Sheet Metal Co., 4014 Park Ave., New York, $17,200. Noted June 21.

Bridges

Proposed Work

Conn., Newington — New York, New Haven & Hartford R.R Co. E. Gagel, ch. engr., New Haven, steel girder bridge with concrete abutments, to exceed $25,000.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, rejected bids July 3, bridge, Project 41, Grand Island. Will readvertise. G. C. Diehl, Ellicott Sq., c/o engr. Noted June 28.

Ia., Cedar Rapids—Rejected bids repairing, waterproofing bridge, on 16th St. Will readvertise. F. E. Young, City Hall, engr. Noted July 19.

Okla., Francis — State Hy. Dept., Oklahoma City, preliminary plans 2 span 300 ft. steel truss bridge on piers over South Canadian River, Pontotoc Co., near here. $75,000. C. R. Mandigo, hy. engr.

Calif., Reedley — Fresno Co. (Fresno) 16 span 40 ft. bridge, 21 ft. roadway over Kings River. $125,000. C. P. Jensen, Fresno, co. surv.

Ont., Michipicoten—See Unclassified."

Bids Desired

Vermont—July 27, by State Hy. Dpt., Montpelier, bridges, in Sangate, Arlington and Stamford; rein.-con. paving 2.5 mi. in Barre. S. B. Bates, State House, Montpelier, state engr.

Massachusetts—See "Streets and Roads."

New York—See "Streets and Roads"

Maryland—July 31, by State Roads Comn., Baltimore, double span rein.-con. girder bridge over Georges Creek, Contr. A-54, Allegany Co.—triple span rein.-con. arch bridge over Catoctin Creek, Contr. F-101, Frederick Co. J. N. Mackall, chn.

W. Va., Charleston—Aug. 9, by Kanawha Co. Court, Court House, 90 ft. span steel pony truss superstructure Lens Creek Bridge—80 ft. pony truss steel superstructure Slaughters Creek Bridge—two 40 ft. steel I-beam span superstructure Humphries Bridge—120 ft. steel truss superstructure Cobb Bridge. R. N. Moulton, clk.

Tennessee—State Dept. Hys. & P. Wks., Nashville, bids about Aug. 10, concrete, steel bridge over Hiwassee River, Meigs Co. H. F. Berry, hy. comr.

Tennessee—See "Streets and Roads."

Wisconsin—See 'Streets and Roads."

Kan., Liberal—Aug. 3, by Clerk Seward Co., 48 span 21 ft. timber trestle, concrete and wood flooring, Federal Aid Project 360-A, 14 mi. from here. B. McPhaill, Liberal, co. engr.

Texas—Aug. 1, by G. Gilchrist, state hy. engr., Austin, rein.-con. bridge on Hy. 12,

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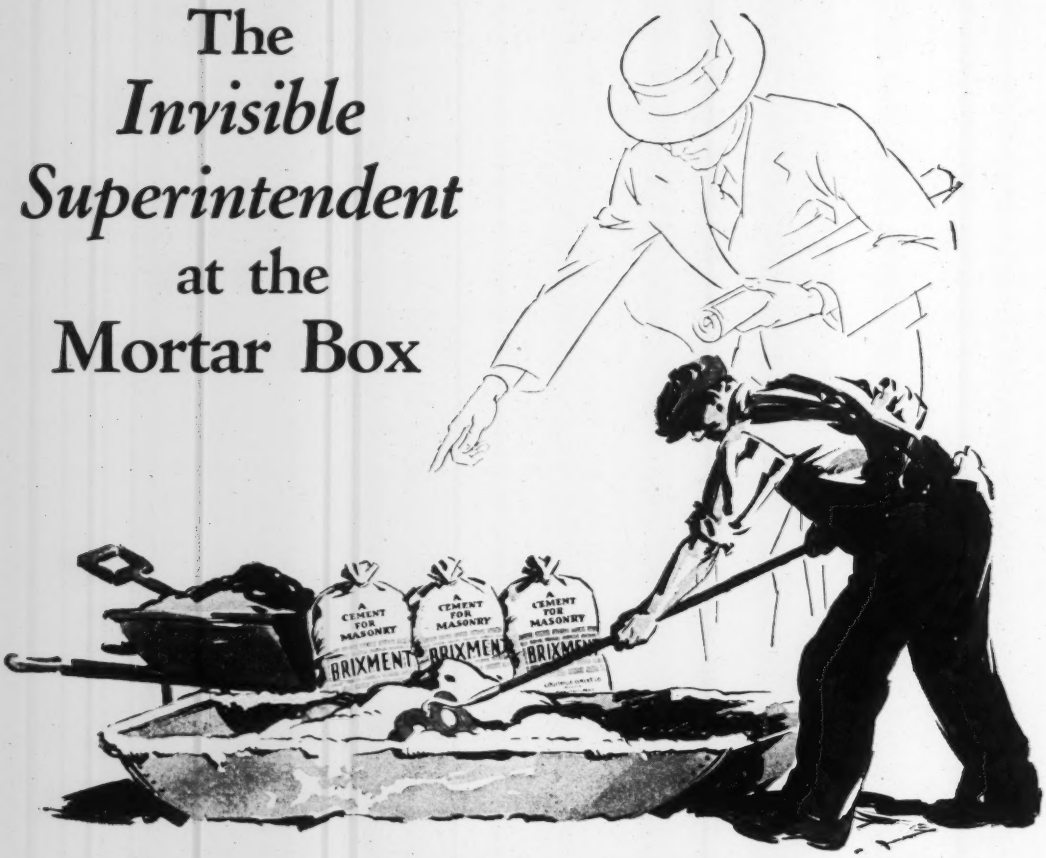
The *Invisible Superintendent* at the Mortar Box



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EVEN when the architect specifies the ideal mix for portland-cement-and-lime mortar, he has no assurance that his specifications will be accurately followed unless his superintendent is constantly at the mortar box. . .The proportion of lime may be increased for the sake of plasticity or the mix may be over-sanded. In either case the strength of the mortar is impaired.

The use of BRIXMENT, however, is your assurance that all mortar will be uniform in strength and color and that specifications will be accurately followed. If over-sanded, BRIXMENT mortar works short and, since there is no lime in the mix, the necessary plasticity can be secured only by using the proper amount of BRIXMENT. *Handbook on request.* Louisville Cement Co., *Incorporated,* Louisville, Kentucky.

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BRIXMENT

for Mortar and Stucco

Bridges (Continued)

Victoria Co., $27,000—rein.-con. bridge, approaches Hy. 84, Kent Co., $63,000—rein.-con. bridge on Hy. 3, Harris Co., $36,000.

Texas—Aug. 2, by G. Gilchrist, state hy. engr., Austin, rein.-con. girder bridge Hy. 9, McCulloch Co., $26,000, 4 steel, rein.-con. bridges on Hy. 43, Milam Co., $112,000.

Tex., Ft. Worth—Aug. 15, by City, c/o O. E. Carr, mgr., rein.-con. bridge, 36 ft. roadway across Lake Worth, $350,000. L. L. Lewis, Ft. Worth, engr. Noted Jan. 26.

Oklahoma—Aug. 14, by State Hy. Dept., Oklahoma City, 6 span 146 ft. rein.-con. bridge at Alva, Woods Co., $30,000—2 span 200 ft. steel truss bridge on concrete piers at Atoka, Atoka Co. $30,000—2 span 190 ft. steel truss bridge on concrete piers at Mill Creek, Johnston Co. $30,000—2 span 200 ft. steel truss bridge on piers at Walters, Cotton Co. $27,500—1 span 120 ft., steel truss bridge on concrete piers at Beaver, Beaver Co. $28,000—7 span 142 ft. rein.-con. bridge at Smithville, McCurtain Co. $28,000. C. R. Mandigo, hy engr.

Okla., Jay—Aug. 13, by D. L. Chandler, clk. Delaware Co., 4 span 85 ft. rein-con. bridge. $26,160. T. P. Clouts, Muskogee, engr.

Washington — Aug. 14, by State Hy. Comn., Olympia, 1,400 ft. bridge over Skagit River, Marblemount, Skagit Co.; 1,010 ft. steel bridge over Nooksack River, Nugents Crossing, Watcom Co. S. J. Humes, hy. engr.

Contracts Awarded

Vermont — State Hy. Dpt., Montpelier, bridges in Bridgewater, to D. B. Riggs, Troy, N. Y., $6,968—Troy, to Kittridge Bridge Co., Concord, N. H., $4,177—Barre, to J. M. Swan & Son, St. Johnsbury, $15,328—bridges in Poultney and Castelton, to D. E. O'Brien Contg. Co., Whitehall, N. Y., $12,364 and $12,371 respectively. Grand total $51,208. Noted July 5.

Vermont — State Hy. Dpt., Montpelier, bridges in Pawlet, Dorset and Rupert, to T. Hardy, North Adams, Mass., $17,135—3 bridges in Vershire, to J. W. Swan, St. Johnsbury, $29,498—2 bridges in Manchester, to J. B. Stebbins, North Adams, Mass., $14,195—bridge in Readsboro, to R. W. Bookers Co., Worcester, Mass. $17,418. Grand total $78,246.

Rhode Island—Washington Bridge Comn., State House, Providence, highway bridge, approaches over Seekonk River, between Providence and East Providence, to Merritt, Chapman & Scott, 17 Battery Pl., New York, $2,984,000. Noted July 12.

N. Y., Buffalo—Erie Co., County Hall, bridges on Project 44, at Alden, to W. S. Meserve, Westbrook Apartments, $30,560—Project 30, Concord, and Project 9, Evans, to Stapel Mumm & Beals Corp., Camp Rd. and Erie R.R. Hamburg, $5,400 and $43,800 respectively—Project 29, at Marilla, to A. Stutzman, 27 Laverack Ave., Lancaster, $2,927. Grand total $82,777. Noted June 28.

Pa., Treveskyn — Comrs. Allegheny Co., City—County Bldg., Pittsburgh, rein.-con., steel bridge over Millers Run, to J. W. Hansen Co., Wabash Bldg., Pittsburgh, $24,524. Est. $29,000. Noted July 5.

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridge on Project 5010, Alamance Co., to T. A. Loving & Co., Goldsboro, $27,648—on Project 3360, Cumberland Co., to Kiker & Yount, Reidsville, $42,186—on Project 621, Cabarrus Co., to E. A. Wood & Co., Andrews, $32,481—rein.-con. bridge, Perquimaus Co., to J. S. Bowers, Whiteville, $136,757. Grand total $239,072. Noted July 5.

Miss., Kosciusko — See "Streets and Roads."

Miss., Meadville — See "Streets and Roads."

Miss., Mendenhall — See "Streets and Roads."

Miss., Merrill—George Co., steel, concrete highway bridge, to Austin Bridge Co., 1813 Clarence St., Dallas, Tex., $125,000.

Kentucky—State Hy. Dept., Frankfort, steel superstructure bridge over Obion Creek, Hickman Co., to Illinois Steel Bridge Co., Jacksonville, Ill., $8,211—concrete substructure and approach spans, to F. G. Hall, Martin, Tenn., $36,838. Noted July 7.

Kan., Fredonia—Wilson Co., one 80 ft. one 110 ft. concrete arch and three 30 ft. deck girder span bridges, Project 557, to J. W. Vance, & Sons, Parsons, $31,838.

Kan., Lyons—See "Streets and Roads."

Okla., Oklahoma City—For 6 span 600 ft. rein.-con. bridge, on Robinson St., to F. E. Watson, 901 McLish St., Ardmore, $194,170. Est. $205,000. Noted Dec. 15.

California—State Hy. Comn., Sacramento, 3 rein.-con. girder bridges over South Fork of Yuba River, on Victory Hy., Placer Co., to Coolidge & Scott, Minden, Nev., $34,291—concrete girder overhead crossing, consisting four 30 ft. spans on concrete bents over Southern Pacific R.R., near Weimar, Placer Co., to Butte Constr. Co., San Francisco, $25,546. Noted June 21.

Ont., Hamilton—T. T. Irving, engr. (Central Region) Canadian Natl. Rys., New Union Sta., Toronto, 4 concrete, steel bridges, excavation for tracks, grading, all in connection with new Hamilton Station, to R. C. Huffman Constr. Co., 331 Bay St., Toronto. Est. $500,000. Noted June 21.

Railways

Proposed Work

Texas—Gulf, Texas & Western Ry. Co., c/o P. E. Bock, genl. supt., Jermyn, preliminary surveys extending 70 mi. main line from Seymour to Paducah. $200,000.

Bids Desired

Missouri—July 28, by Kansas City Southern Ry Co., A. N. Reese, ch. engr., 11th and Wyandotte Sts., Kansas City, railroad between Leeds and Grandview, incl. 1,079,000 cu.yd. excav., 2,440,000 lb. structural steel, etc.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Bourne—Standard Oil Co. of New York, Park Sq. Bldg., Boston, wharf, dolphins, dredging in Buzzards Bay. $25,000. Private plans.

Tex., Brownsville—Southwest Development Corp., c/o D. W. Royhensies, genl. mgr., Goshen, N. Y., irrigation plant, 7½ mi. main concrete canal, laterals, Grove Park, near here. A. E. Anderson, Brownsville, engr.

Tex., La Porte — C. A. Barbour, et al, 1st Natl. Bank Bldg., Houston, port development, incl. wharves, warehouses, railroad yards, other terminal facilities. Dredging for above, to Standard Dredging Co., 323 Security Bldg., Galveston. Total est. $15,000,000.

Okla., Ottumwa—Ottumwa Co. preliminary plans draining Neosho River bottom. $40,000. L. Lawrence, Miami, engr.

Bids Desired

N. Y., Buffalo—July 27, by G. F. Fisk, comr. P. Wks., dredging south side Buffalo River from Ohio St. Bridge, 600 ft. west to depth 23 ft. C. E. P. Babcock, Municipal Bldg., engr.

Pa., Phila.—Aug. 2, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North St., bridges, Contr. 60, 1928; crossings, Contr. 61, 1928.

Okla., Alex—Aug. 25, by W. T. Cloud, clk. Grady Co., drainage ditch, incl. 114,000 cu.yd. excav. 160 ft. 36 in. vitr. tile pipe, near here. $27,000. P. A. Little, Chickasha, engr.

Calif., Oakland—Aug. 3, by J. Kimball, secy. East Bay Municipal Utility Dist., 1924 Bway., waste channels, 12,770 cu.yd. excav., 9 bbl. cement, for East Bay Aqueduct and Lone Tree Evaporation Basin, Mokelumne Project.

Ont., Coburg—Aug. 2, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, reconstructing Southwest Breakwater. $60,000.

Ont., Perth—Aug. 11, by E. R. Stedman, clk. Drummond Twp., Black Drainage Improvement, in Drummond and North Elmsley Twps. $125,000. J. P. Moore, Smiths Falls, engr.

P. E. I., Souris Harbor—Aug. 8, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing and placing stone at breakwater.

Contracts Awarded

Ohio — Comrs. Summit Co. (Akron), straightening, widening, deepening Tuscarawas River from Akron to point below Barberton, to F. C. Morgan, 215 East New York St., Indianapolis, Ind., $60,204. Est. $80,300. Noted July 19.

Tex., La Porte—See "Proposed Work."

Streets and Roads

Bids Desired

Massachusetts—July 31, by Dpt. P. Wks., State House, Boston, bituminous concrete paving 11,900 ft. hy. in Duxbury and Kingston—gravel and bituminous macadam paving 10,140 ft. Warwick—11,826 ft. Hadley—3,095 ft. Berkley and Freetown—bituminous macadam paving 4,521 ft. Randolph—20,067 ft. Templeton—rein.-con. bridge in Heath—repairing steel bridge in North Adams. W. F. Williams, comr.

Mass., Boston—July 30, by Dpt. P. Wks., recut granite block paving Ward 3, and July 31, sheet asphalt or bitulithic paving Wards 15 and 16. J. H. Sullivan, comr.

Mass., Boston—Aug. 1, by Dpt. P. Wks., sheet asphalt or bitulithic paving Harrison Ave., Wards 3 and 8. J. H. Sullivan, comr.

Mass., Cambridge (br. Boston)—July 30 (extended date), by Street Dpt., rein.-con. paving. $25,000. W. R. McMentmen, City Hall, supt. streets. Noted July 12.

New York—Aug. 6, by Bd. Hudson River Regulating Dist., 44 Howard St., Albany, 2.5 mi. bituminous macadam and 0.5 mi. dirt paving in Northampton Fulton Co. and Hope, Hamilton Co. E. H. Sargent, Albany, ch. engr.; adv. E. N.-R. July 26.

N. Y., Hornell—Aug. 1, by City, asphalt resurfacing 26,000 sq.yd. Canisteo and Seneca Sts.

N. Y., Long Island City—Aug. 1, by R. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading Carolin and Bliss Sts.; repairing bulkhead and jetties near Beach 19th and Beach 14th Sts., Far Rockaway; 40 ft. boardwalk along ocean front from Beach 81st to Beach 56th Sts.

N. Y., New York—July 31, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., paving road leading to and around pumping station at 179th St. and Amsterdam Ave.

N. Y., Ossining—Aug. 7, at office L. H. Acker, village clk., Municipal Bldg., improving Emwilton Pl. and Wolden Rd.; adv. E.N.-R. July 26.

N. Y., St. George—Aug. 1, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving South Ave. from Staten Island Rapid Transit R.R. to Washington Ave.

New Jersey—Aug. 13, by State Hy. Comn., Trenton, grading, rein.-con. paving 62,539 sq.-yd. Route 5, Sect. 19A, Dover-Denville Rd., Morris Co.; and 89,918 sq.yd. concrete paving 21,261 sq.yd. Route 17-North, Sec. 5, (Route 2 Revision 1927) North Arlington-Rutherford Rd., Bergen Co., A. L. Grover, ch. clk.; adv. E. N.-R. July 26.

N. J., Green Bank—July 30, by Washington Twp. Comn., grading, graveling 30,000 sq.yd. Maxwell Pl. G. Thomas Jenkins, engr.

N. J., Lyndhurst (br. Rutherford)—Aug. 6, by Bd. Town Comrs., Town Hall, grading, curbing 6 in. bituminous macadam paving Copeland, Pennsylvania and 3rd Aves. $30,000. T. F. Bowe, Association Bldg., East Rutherford, town engr.

N. J., Milford—Aug. 2, by Hunterdon Co., Flemington, F. J. Dineen, clk., grading, penetration macadam, paving 34,643 sq.yd. Milford-Riegelsville Rd., Sect. 2. G. Davis, Whitehouse Station, engr.

N. J., Mountain Lakes—Aug. 2, by Bd. Boro Council, Boro Hall, concrete curbing, bituminous penetration macadam paving 3,587 ft. Briarcliff Rd. $50,000. F. T. Rubidge, boro engr.

Pennsylvania—Aug. 10, by State Hy. Comn., Harrisburg, rein.-con. and macadam paving 41 mi. 16 projects in Bedford, Bucks, Chester, Clarion, Columbia, Greene, Lancaster, Lawrence, Lebanon, Northumberland, Perry, Schuylkill, Washington and Westmoreland Counties. J. L. Stuart, secy. Hy. Dpt.; adv. E. N.-R. July 26.

Pa., Phila.—Aug. 2, by Dpt. P. Wks., Bureau of Highways, A. Murdock, dir., grading; asphalt paving; smooth dressed granite block and asphalt repaving; redressed granite repaving; widening South Market St., asphalt (heater method) resurfacing; steel for bridge; electrifying Penrose Ferry Bridge.

Maryland — July 31, by State Roads Comn., Baltimore, concrete shoulders, concrete paving 1 mi. Contr. M-115, and concrete paving 2 mi. Contr. M-99, Montgomery Co.—1 mi. Contr. F-112, Frederick Co.—graveling 2.5 mi. Contr. C-29, Calvert Co. J. N. Mackall, chn.

Md., Baltimore—Aug. 1, by Bd. Awards, concrete paving 10,560 sq.yd. Contr. 474, 10,000 sq.yd. alleys in Alley Contr. 129. N. L. Smith, hys. engr.

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Streets and Roads (Continued)

Md., Easton—Aug. 13, by Mayor and Council, concrete curbing, guttering 4,200 lin. ft. E. G. Kastenhuber, Jr., town engr.; adv. E.N.-R. July 26.

W. Va., Charleston—Aug. 2, by Kanawha Co. Court, grading, concrete paving 1 mi. Project 167—grading 1.5 mi. Project 224—3 mi. Project 222—1.5 mi. Project 185-B—1 mi. Project 220. R. N. Moulton, clk.

W. Va., Follansbee—July 31, by City Manager and City Clerk, grading, paving Linden, Neville and Highland Sts. $30,000.

W. Va., Lewisburg—July 28, by Greenbrier Co. Court, grading, paving 14 mi. 6 projects in Irish Corner Dist. J. K. Monroe, co. road engr. Noted May 24.

W. Va., Wellsburg—Aug. 1, by Brooks Co. Court, bank slag, granulated slag or sledged limestone surfacing Harmon Creek, Northview, Lowerys Lane and McAdoo Ridge Rds., bituminous surfacing 8,000 sq. yd. Eldersville Rd.

Alabama—Aug. 7, by State Hy. Comn., Montgomery, reln.-con. paving 3,216 sq.yd. Hy. S-348, Morgan Co.—concrete, rock asphalt, sheet asphalt or bituminous concrete on concrete paving 17.34 mi. S-351, Blount and Jefferson Counties—grading 13.28 mi. S-316 Jackson Co.—280,000 cu.yd. Hy. in Winston Co.—grading, bridging 121,174 cu.yd. Hy. S-170, Blount Co.—21 mi. S-304, Coosa and Chilton Counties—bridges in Escambia, Monroe, Fayette, Wilcox, Covington, Talladega, Dallas and Lowndes Counties. W. Finnell, hy. dir.

Ala., Birmingham—Aug. 10, by Bd. Revenues, Jefferson Co., grading, chert and 6 in. concrete paving 32.25 mi. hys. $290,500.

Ala., Mobile—Aug. 14, by Bd. Revenue & Road Comrs. Mobile Co., grading, drainage structures, bridging 34.973 mi. hys. J. B. Converse, Mobile, engr.

La., St. Bernard—July 31, by Supervs. Road Dist. 1, 906 Gravier St., New Orleans, concrete, concrete with steel reinforcing, or sandstone rock asphalt on asphaltic concrete paving Angela and Mehla Sts. from North Peters to St. Claude Sts. Address St. Bernard Parish Engineer, 517 Audubon Bldg.

Tennessee—Aug. 10, by State Dept. Hys. & P. Wks., grading 92.904 mi. roads in Lauderdale, Carroll, Marion, Decatur, Jefferson, Cocke, Montgomery, Robertson, Giles, Dickson, Hamilton, Hickman and Rutherford Counties—surfacing 105.633 mi. Davidson, Franklin, McMinn, Monroe, Obion, Weakley, Warren, Hamilton, Bradley, Bledsoe and Cumberland Counties—bridges in Meigs, Lewis, Rutherford, Cumberland, Montgomery, Davidson and Dickson Counties. H. Berry, comr.; adv. E.N.-R. July 26.

Tennessee—State Dept. Hys. & P. Wks., Nashville, bids about Aug. 10, grading 12 mi. Ripley-Henning Rd., Lauderdale Co. H. F. Berry, hy. comr.

Tennessee—State Dept. Hys. & P. Wks., Nashville, bids about Aug. 14, paving, probably concrete 10 mi. Union City-Dresden Rd., Obion Co. oiling 27 mi. roads in McMinn and Monroe Counties. H. F. Berry, hy. comr.

Tenn., Selmar—Aug. 6, by McNairy Co., grading 6 mi. Selmer-Leapwood Rd.; 6 mi. Leapwood-Evansville Rd. $40,000. Bass-Roberts-Freeland Co., Independent Life Bldg., Nashville, engrs.

O., Akron—July 30, by F. E. Swineford, dir. Service, stone, granite curbing, concrete sidewalks, vitr. brick paving 7,950 sq.yd. Dover St., $71,400—9,200 sq.yd. Hawkins Ave., $65,000—6,100 sq.yd. Vinita Ave. et al., $57,600—6,900 sq.yd. Campbell St. $62,000—6,400 sq.yd. Glenwood Ave., $44,-900. E. A. Kemmler, Municipal Bldg., engr.

O., Canton—Bd. Control bids about Sept. 3, grading, curbing, sidewalks, paving 14th St. N. W. $25,000-$30,000. W. E. Sarver, City Hall, engr.

O., Parma Heights (br. Cleveland)—July 31, by Village, paving Parma Park Blvd. and Beresford Ave. To exceed $50,000. C. J. Conlin, 432 Penton Bldg., Cleveland, engr.

Ind., Auburn—Aug. 7, by Comrs. DeKalb Co., graveling Philip Rigg et al. Rd., Benjamin S. Miller Rd., Union-Grant Twp. Line Rd., Union Twp. E. Dawson, Auburn, aud.

Ind., Bedford—Aug. 7, by Comrs. Lawrence Co., constructing Lawrence Hunter Rd. $6,925, Mitchell and Lawrenceport Rd. $21,879, Mitchell and Bono Rd. $6,305, Lawrenceport Rd. $15,040. J. H. Taylor, aud.

Ind., Brazil—Aug. 7, by Comrs. Clay Co., brick paving 5,280 ft. Levi Louderback et al. Rd., Brazil Twp.; graveling 10,560 ft. O. L. Duncan et al. Rd., Harrison Twp. R. E. Barnhart, Brazil, aud.

Ind., Crown Point—July 30, by Comrs., Lake Co., concrete paving Erick Lund et al. Rd., North Twp. $84,800. W. E. Whitaker, Crown Point, aud.

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Ind., Greencastle—Aug. 6, by Comrs. Putman Co., concrete paving Oscar Obenchain et al. Rd. $48,518. W. E. Gill, Greencastle, aud.

Ind., Newport—Aug. 6, by Comrs. Vermillion Co., paving Samuel Elder et al. Rd., Helt Twp. $53,984. M. Lewis, Newport, aud.

Ind., Plymouth—July 30, by Comrs. Marshall Co., graveling Charles Gerard et al. Rd. $13,618, Gertrude Stout et al. Rd. $12,-416, both in Center Twp. O. H. Weber, aud.

Ind., Plymouth—Aug. 7, by Comrs. Marshall Co., graveling Emery S. Hite et al. Rd. $17,275, Clinton O. Beyler et al. Rd. $3,213. O. H. Weber, Plymouth, aud.

Michigan—Aug. 14, by St. Clair Co., at office E. R. Benkert, resident engr., concrete paving 2.076 mi. MO 77-31-C-1, 20 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 22, by R. R. Havens, president engr., Jackson, widening, concrete paving 6.052 mi. FO 12-13C-1. Branch Co., 20 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 23, by Calhoun Co., at office R. R. Havens, resident engr., Jackson, 20 ft. concrete paving 5.59 mi. FO 13-16 C-1, for State Hy. Dpt., Lansing.

Mich., Monroe—July 30, by J. H. Eber, city clk., one course concrete paving 12,600 sq.yd. Hollywood Dr., South Scott and East Lorain Sts. $35,000.

Mich., Plymouth—July 30, by A. J. Koenig, village mgr., grading, one course concrete paving 15,000 sq.yd. Starkweather Ave. $30,000. Hoad, Decker, Schoecraft & Drury, Ann Arbor, engrs.

Mich., Royal Oak (Ind. br. Detroit)—July 30, by R. B. Fleming, clk., one course concrete paving 30,000 sq.yd. $70,000. E. M. Shafter, Royal Oak, village engr.

Mich., White Cloud—Aug. 15, by Newaygo Co., at office Village Clerk, widening, concrete paving 5.416 mi. MO 62-21 C-1, and 1.611 mi. MO 62-8 C-2, 20 ft. H. C. Fleming, Grand Rapids, resident engr.

Mich., Wyandotte—July 31, by E. C. Bryan, city clk., grading, 8 in. one course concrete paving 17,000 sq.yd. 6th and 11th Sts., Central, Lindberg and Vassar Aves. $50,000. F. Conway, city engr.

Ill., Chicago—July 31, by City at office Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, 7 in. concrete paving 4 alleys—grading, curbing, guttering, sewers, 8 in. concrete, paving Avenue F, West 205th St., Hale, North Holmar, Dickens, South Artesian Aves.—grading, curbing, guttering, sewers, asphalt on 6 in. concrete paving West 58th, 100th, 101st and 102nd Sts., Avenue J, Fitch, Hood, South Keating, South Shore, South Paulina, Artesian and Campbell Aves.—grading, curbing, guttering, sewers, asphalt on 8 in. concrete paving West 87th St. and Elston Ave. M. J. Faherty, pres.

Ill., Monmouth—July 31, by Bd. Local Impvts., grading, curbing, guttering, paving 2 blocks East 1st St. $12,337; 3 blocks North 7th St. and East Boston Ave., $16,029. Kinsey Eng. Co., Pekin, engrs.

Wisconsin—July 31, by State, Grant, Iowa and Lafayette Co. Hy. Comn., Court House, Lancaster, crushed stone surfacing 7,830 cu.yd. F.A.P. 382-C, Fayette Co.—concrete paving 6,160 sq.yd. Div. Job 9309, North Madison St., Lancaster, Grant Co.—6,852 sq.yd. Div. Job 9310, Arena-Mazomanie Rd., Iowa Co.—Jones Bridge, incl. 22,930 lb. steel. T. W. Reilly, div. engr.

Wisconsin—Aug. 7, by State and Clark, Pierce, St. Croix and Polk Co. Hy. Comns., Eau Claire, graveling 3,300 cu.yd. Merrillan-Humbird Rd., Clark Co.—1,800 cu.yd. Maiden Rock-Elsworth Rd., 4,000 cu.yd. Ellsworth-Elmwood Rd., Pierce Co.—3,400 cu.yd. Deer Park-Amery Rd., St. Croix and Polk Counties. W. F. Baumgartner, div. engr.

Wis., Milwaukee—July 28, by Dpt. P. Wks., R. E. Stoelting, comr., vibrolithic concrete paving 37,123 sq.yd. Winton Dr., Keefe, St. Paul and East Euclid Aves., Center, Hopkins and 24th Sts. $130,760.

Ia., Jefferson—Aug. 7, at office Auditor Greene Co., graveling 23.75 mi. Projects 44 to 48 (inclusive).

Ia., Keokuk—Aug. 3, by City, paving 30,000 sq.yd. C. J. Nelson, city engr. Noted July 12.

Ia., Spirit Lake—Aug. 7, at office Auditor Dickinson Co., graveling 19 mi. secondary roads. R. A. Furman, Spirit Lake, engr.

Minnesota—Aug. 14, by State Hy. Comn., St. Paul, (**F.A.P. means Federal Aid Project and S.P., State Project**), grading 389,000 cu.yd. S.P. 10-53, F.A.P. 40—grading 253,-000 cu.yd. S.P. 12-31, F.A.P. 118, and widening Bridge 4765—graveling 18,500 cu.-yd. S.P. 10-54, Sect. 3—concrete paving 18,978 sq.yd. S.P. 7-37, Divs. A. and B.

Kan., Yates Center—Aug. 9, by Clerk Woodson Co., grading, bridging 6.22 mi. Sect. B, and 1.824 mi. Sect. C, Project 367. H. O. Ashley, Court House, engr.

Mo., St. Louis—Aug. 14, by Bd. P. Wks., City Hall, guttering, concrete paving 1,[illegible] sq.yd. and asphaltic concrete paving 4,[illegible] Ellenwood and Neosha Sts. $26,840—asphaltic concrete paving 2,260 sq.yd. Rosa Ave. $7,360—3,330 sq.yd. Parkwood Pl. $19,[illegible]—vibrotilthic concrete paving, 2,965 sq.yd. Frey St. $14,440—1,890 sq.yd. Edna St. $9,840—2,650 sq.yd. Hornsby St. $14,52[illegible] 2,680 sq.yd. Marnice Pl. $15,440—rein.-con. paving 3,795 sq.yd. Oleatha St. $18,000—505 sq.yd. Fairview St., $4,640—3 in. brick paving 1,540 sq.yd. Pelham St. $10,080—540 sq.yd. Liermann St. $3,040. W. W. Horner, 300 City Hall, engr.

Texas—Aug. 1, by G. Gilchrist, state hy. engr., Austin, grading, bridging, bituminous concrete, asphalt, concrete, and shell surfacing 186.45 mi. hys. in Anderson, Harris, Hale, Jackson, Goliad, Victoria, Wilson, Karnes, Shackelford, Trinity, Potter, Calhoun, Navarro, Jones and Wharton Counties. $1,390,100.

Texas—Aug. 2, by G. Gilchrist, state hy. engr., Austin (**F.A.P. means Federal Aid Project**) grading, bridging 7.84 mi. Hy. 31, F.A.P. 545-C, Henderson Co., $50,400—9.553 mi. Hy. 43, F.A.P. 453-H, Cherokee Co. $59,400—0.85 mi. Hy. 31, F.A.P. 544B, Henderson Co. $36,000—20.579 mi. Hy. 24, F.A.P. 454A, Unit 1, Baylor Co., $108,000—2.37 mi. Hy. 40, F.A.P. 355B, Hardin Co., $72,000—4.555 mi. Hy. 43, F.A.P. 494-B, Milan Co., $36,000—concrete paving 10.257 mi. Hy. 1, F.A.P. 444-I, Unit 2, Taylor Co., $234,000.

Tex., Commerce—July 31, by Bd. Comm., C. T. England, city secy., Curbing, guttering, rein.-con. paving 11,411 sq.yd. $30,000. M. Ramsey, city engr.

Oklahoma—Aug. 14, by State Hy. Dept., Oklahoma City, grading 5 mi. Hy. 9, $35,-000 and 4 mi. Hy. 8, $30,000, both Caddo Co.—5 mi. Hy. 8, Comanche Co. $40,000—24 mi. Hy. 66, Canadian Co. $140,000—6 mi. Hy. 53, Carter Co. $36,000—9 mi. Hy. 7, Grady Co. $55,000—2 mi. Hy. 7, Jackson Co. $40,000—16.5 mi. Hy. 266, Lincoln Co. $105,000—7 mi. Hy. 27 $42,000 and 7 mi. Hy. 48 $40,000, both Okfushee Co.—15 mi. Hy. 27, Cherokee Co. $90,000—7 mi. Hy. 19, Coal Co. $30,000—concrete surfacing 42,240 sq.yd. U. S. Hy. 81, Grant Co. $100,-000—36,960 sq.yd. U. S. Hy. 8, Kingfisher Co. $80,000—47,820 sq.yd. Hy. 33, Logan Co. $110,000—36,960 sq.yd. U. S. Hy. 77, Noble Co. $90,000—105,600 sq.yd. Hy. 33, $250,000 and 16,640 sq.yd. Hy. 40, $38,000, both Payne Co.—52,925 sq.yd. Hy. 18, Pottawatomie Co. $125,000—105,600 sq.yd. Hy. 29, Stephens Co. $250,000—sheet asphalt surfacing 68,640 sq.yd. Hy. 66, Beckham Co. $190,000—90,000 sq.yd. Bryan Co. $175,-000—52,840 sq.yd. Hy. 16, Nowota Co. $150,000—59,140 sq.yd. U. S. Hy. 66, Oklahoma Co. $165,00—52,810 sq.yd. Hy. 3, Pottawatomie Co. $145,000—21,120 sq.yd. Hy. 48, Seminole Co. $60,000. C. R. Mandigo, hy. engr.

Colorado—Aug. 3, by State Hy. Dept., grading, gravel surfacing 2.43 mi. road between Portland and Florence, Fremont Co., 6.4 mi. road between Meeker and Craig, Rio Blanca and Moffat Counties. $110,000. L. D. Blauvelt, hy. engr.

Wash., Seattle—City Council bids about Aug. 11, paving, with iron piping for irrigation, drainage and sidewalks 13 blocks South 13th, 17th, 18th and Bonnie Doone Aves. $57,547. W. D. Barkhuff, Seattle, engr.

California—Aug. 8, by State Hy. Comn., Sacramento, grading, crushed gravel or stone, oil treated surfacing 9.3 mi. road between Olancha and Cottonwood Creek, Inyo Co. C. H. Purcell, Highway Bldg., engr.

Contracts Awarded

New Hampshire—State Hy. Dpt. Concord (**e.e. means engrs. est.**) 3 in. bituminous macadam on 8 in. gravel paving 1.601 mi. hy. in Center, Harbor and Meredith to R. E. Bull, 151 Harrison Ave., Fitchburg, Mass., $38,396 e.e $47,000 — 1,979 mi. Claremont to Winslow-Cummings, Nashua, $70,447 e.e. $73,000—3 in. on 6 in. gravel paving 1.29 mi. Belknap, to F. E. Ellis, Melrose, Mass., $22,183 e.e. $28,000—6 in. one course rein-con. paving 1.725 mi. Tamworth, to D. D. Snyder, Gardner, Mass., $58,180 e.e. $67,000. Grand total $189,204. Noted July.

Massachusetts — Dpt. P. Wks., Boston, bituminous macadam paving 3.650 ft. hy. in Acushnet, to G. C. Tripp, 276 Elm St., New Bedford, $15,925—2,032 ft. Hamilton, to Welch & Moynihan, 15 Front St., Salem, $12,717—829 ft. Duxbury, to F. P. McNeil, 20 Starbird St., Lowell, $8,942—8,862 ft. Groveland, to M. McDonough Co., Swampscott, $71,904—3,700 ft. Weston, to Iafolla & Sheilds, Noyes Pl., Boston, $29,328—gravel, bituminous macadam paving 3,300 ft. Randolph, to Powers Bros., 161 Montello St., Brockton, $8,182—rein.-con. paving

Streets and Roads (Continued)

4198 ft. Malden and Medford, to J. A. Fannon, 39 Powder House Blvd., West Somerville, $49,137—grading 29,693 ft. Charlton and Sturbridge, to R. A. Bergeson, Woonsocket, R. I., $198,854. Grand total $394,989. Noted June 28.

Mass., Brookline (br. Boston)—Bd. Selectmen, sheet asphalt paving Washington St., to Warren Bros. Co., 38 Charles River Rd., Cambridge, $29,853.

Mass., Chelsea (br. Boston)—Street Dpt., granite block paving, to J. J. Walsh Co., Washington Ave. Est. $25,000 or more.

Mass., Everett (br. Boston)—Bd. P. Wks., bituminous concrete paving, to Simpson Bros. Corp., 77 Summer St., Boston. Est. $25,000 or more.

N. Y., Buffalo—Bd. Supervs. Erie Co., to Stapell, Mumm & Beals Corp., Camp Rd. and Erie R.R., Hamburg, rein.-con. paving Potters Corners Rd. G.M.S. 209, $52,832; Sheridan Dr. G.M.S. 203, $213,945; Union Rd. G.M.S. 201, $91,800—to Meyer & Meyer Corp., 21 Transit Rd., Depew. Lake Ave. Part 2, G.M.S. 200, $70,648; Lake Ave. Part 1, G.M.S. 200, $45,655—to Holmes & Murphy, Bank St., Orchard Park, Harlem Rd. Part 5, G.M.S. 205, $33,870. Grand total $508,750. Noted July 19.

New Jersey—State Hy. Comn., Trenton, grading, 9 in. rein-con., paving 49,929 sq.yd. Route 1 (1927), Sect. 2, and Route 3, (1927), Sect. 1, Tonnele Ave. extension and connection to Paterson Plank Rd., Bergen Co., to S. J. Groves & Son, Mt. Ephriam, $710,295. Noted June 28.

N. J., Caldwell—Essex Co. (Newark), bituminous concrete paving Fairfield-Clinton Rd., to Francisco Bros., Ridge Rd., Little Falls, $30,430.

N. J., Hillside (br. Elizabeth) — Twp. Com., Municipal Bldg., resetting, curbing, sheet asphalt on 6 in. concrete paving Leo and Hurden Sts., to J. B. Gilligan & Casey Co., 972 Broad St., Newark, $34,575—King St. and Ridgeway Ave., to Loprete Asphalt Co., 423 Amherst St., East Orange, $29,031—Maple Ave., to J. F. Chapman & Son, 1439 North Broad St., $63,255. Grand total $126,861.

N. J., Hillside (br. Elizabeth) — Twp. Com., resetting, curbing, 3 in. sheet asphalt on 6 in. concrete paving Coe Ave., to Gilligan & Casey, Ft. of Brill St., Newark, $31,499. Noted July 12.

N. J., Hillside (br. Elizabeth) — Twp. Com., Municipal Bldg. resetting curbing, sheet asphalt on 6 in. concrete paving Fairbanks and Avy Sts., to J. F. Chapman & Son, 1349 North Broad St., $26,557. Noted July 12.

N. J., Irvington (br. Newark)—Concrete paving Rosehill and Normandy Pl., to J. Dorer, 644 Nye Ave., $9,052, incinerator grounds, to Loprete Asphalt Co., 423 Amherst St., East Orange, $16,297.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., concrete paving East Palisade Ave., to Sanna Connova Constr. Co., Inc., Rochelle Park, $29,561—Edgemont Pl., to R. A. Hamilton, 16 West Ft. Lee Rd., Bogota, $27,967—Hamilton Rd. and Fyche Lane, to Toriello & Pirdy, 16 West Ft. Lee Rd., Bogota, $22,887—Oak St., to G. Di Napoli, Inc., 80 Main St., Hackensack, $8,976—Lena St. and Gaylord Terrace, to Toriello & Sansone Constr. Co., 28 Essex St., Hackensack, $4,703 and $9,903 respectively—Granger Rd., to Chrisholm & Weisgerber, Inc., Teaneck Rd., Teaneck, $12,449. Grand total $116,446. Noted July 2.

N. J., Union—Bd. City Council, City Hall, sheet asphalt on concrete paving 3rd St., to Clinton Asphalt Co., 308-16th St., Union City, $39,945. Noted June 21.

Maryland—State Roads Com., Baltimore, concrete shoulders on 2.32 mi. Carroll Co., to Thomas, Bennett & Hunter, Westminster, $19,188—concrete shoulders, concrete paving 4.48 mi. Allegany Co., to Cumberland Contg. Co., Cumberland, $38,383—concrete paving 4.7 mi. Anne Arundel Co., to Continental Contg. Co., Knickerbocker Bldg., Baltimore, $79,406 — penetration macadam resurfacing 2 mi. Montgomery Co., to Long, Kenney & Co., Hagerstown, $34,932—hot and cold bituminous resurfacing 1.7 mi. Anne Arundel Co., to J. L. Robertson Co., Montebello Ave., Baltimore, $17,350. Grand total $189,259. Noted June 21 and July 5.

W. Va., Moundsville—Rein.-con. paving Marshall St., to H. L. Seabright Co., 70 43rd St., Wheeling, $30,732. J. Sherman, Welch, Moundsville, engr.

North Carolina—State Hy. Comn., Raleigh, to R. C. Stevens, Asheville, grading, plain concrete paving 8.88 mi. Buncombe Co., $178,200—to Powell Paving Co., Winston-Salem, 5.04 mi. Forsyth Co., $102,427—to W. F. Bowe, Jr., 541 Broad St., Augusta, Ga., 8.14 mi. Columbus Co., $150,246—3.22 mi. Person Co., $83,995—to Gregory & Weisiger, Pittsboro, 4.26 mi. Granville Co., $89,173—to Noll Constr. Co., Charlotte, 5.5 mi. Sampson Co., $104,683—to N. L. Teer, Durham, clearing, grading, top-soiling 8.96 mi. Cabarrus Co., $59,680—4.18 mi. Mecklenburg Co., $26,953; 9 mi. Avery Co., $113,104—to C. A. Ragland, Louisburg, 6.68 mi. Northampton Co., $45,121—to W. C. Carter & Mebane, 11.78 mi. Union Co., $68,430—to Beal Bros., Bear Creek, 4.02 mi. Cumberland Co. $26,009—to Kirkman Bros., Mt. Airy, grading, top-soiling, small rein.-con. structures 5.19 mi. Surry Co., $56,956—to Porter & Peck, Orlando, grading 17.81 mi. Tyrrell Co., $95,710—to Hudson & Scruggs, Inc., Wilmington, grading, sand asphalt paving 7.01 mi. Columbus Co., $92,385. Grand total $1,293,072. Noted July 5.

Fla., Jacksonville—City Comn., concrete paving Dennis and Union Sts., to R. G. Lassiter Co., Oxford, N. C., $64,732. Noted May 31.

Miss., Kosciusko—Attala Co. grading, bridging 10.472 mi. Federal Aid Project 54-C, to Boddie Constr. Co., Laurel, $99,879. Noted June 28.

Miss., Meadville—Franklin Co., grading culverts, bridging 6.589 mi. Federal Aid Project 199-A, to Standard Paving Co., Inc., Baton Rouge, La. Noted June 28.

Miss., Mendenhall—Grading, graveling, culverts, bridges 1.612 mi. Federal Aid Project 200-A, to Newson Bros., Columbia. Noted June 28.

La., De Quincy—Mayor and Bd. Aldermen, paving 23,000 yd., to Flenniken Constr. Co., Knoxville, Tenn., $73,916. Noted June 7.

Kentucky—State Hy. Dept., Frankfort, traffic bound macadam surfacing 6.26 mi. Warren Co., to Raymond Contg. Co., Bowling Green, $25,689—5.939 mi. Clinton Co., to Clinton Road Co., Albany, $26,236—11.16 mi. Estill Co., to Irvine Constr. Co., Irvine $57,687—9.783 mi. Logan and Warren Counties, and 11.44 mi. Wayne Co., to Campbell & Co., Bowling Green, $87,892 and $74,650 respectively—15.562 mi. Morgan Co. and 4.029 mi. Lee Co., to Sipple & Byers, Winchester, $78,281 and $25,266 respectively—6.189 mi. Powell Co., to R. M. Robinson, Owensboro, $30,850—11.562 mi. Powell and Wolfe Counties, to I. N. Horton, Lexington, $63,732—9.771 mi. Rockliffe Co., and 2.889 mi. Ohio Co., to Perkins, Darnell & Williams, Hodgenville, $37,318 and $12,796 respectively—12.124 mi. Trimble Co., to Myers Bros., Campbellville, $54,731—creek gravel surfacing 6.461 mi. S.P. 4-C-S and 9.575 mi. S.P. 4-D-S, Breathitt Co., to H. H. Miller Constr. Co., Jackson, $39,145 and $47,647 respectively—11.236 mi. Knott Co., to Hart & Blair Constr. Co., Whitesburg, $47,500—9.619 mi. S.P. 32-B.S and 8.554 mi. S.P. 32-C-S, Menifee Co., to G. A. Reeves, Greenup, $42,242 and $32,834 respectively—rein.-con. surfacing 1.423 mi. Carroll Co., to Tye & Wells, Pleasureville, $47,748—river gravel on bank gravel surfacing 7.193 mi. Lyon Co., to Ellis, Kelly & Co., Owensboro, $33,296—8.086 mi. Ohio Co., to Mulligan & Church, Owensboro, $52,573—grading 5.316 mi. Butler Co., to Duke Bros., Hartford, $58,428—10.871 mi. Floyd Co., to Albert Bros., Salem, Va., $221,141—6.096 mi. Franklin Co., and 2.363 mi. Warren Co., to Jenkins Constr. Co., Elizabethtown, $57,910 and $49,114 respectively. Grand total $1,304,706. Noted July 7.

O., Akron—Summit Co., grading, slag paving 6.2 mi. Doylestown-Richfield Rd. C. H. 2, Sects. C and D, to L. C. Bell & Son, West Mansfield, $56,732. Est. $67,700.

O., Cincinnati—C. O. Sherrill, city mgr., granite curbing, sidewalks, 2,500 sq.yd. new and 3,500 sq.yd. old granite block repaving McMicken Ave., to A. J. Henkel Constr. Co., Bell Blk., $35,959. Est. $40,125. Noted June 7.

O., Cleveland—To Bentley Bros., Hanna Bldg., brick paving Gunhill and Yolan Aves., $32,142 and $34,767 respectively—to Highway Constr. Co., Guarantee Ttitle Bldg., asphalt paving Christine Ave., $9,109; Maplerow Ave., $11,357; Rexwood Ave., $9,758; Saybrook Ave., $9,035; brick paving East 154th St., $51,120—to Roehl Bros., 7002 East Denison Ave., asphalt paving Archmre Ave. $24,563; North Cliff Ave. $20,329, Vandalia Ave., $28,125; brick paving West 140th St., $36,911. Grand total $267,216.

Ind., South Bend—St. Joseph Co., Mexican asphalt paving 2½ mi. hy., to Williston Constr. Co., 603 Citizens Bank Bldg., $35,199; concrete paving 9/10 mi., to Seaman Constr. Co., Goshen, $23,362, 2¼ mi., to Bontrager Constr. Co., Elkhart, $54,500; graveling 1½ mi. Phenl & Brown, Milford, $14,000. Grand total $127,061. Noted June 14.

Michigan—At City Clerk's Office, Manton, concrete paving, widening 1.763 mi. FO83-15, C-1, Wexford Co., to Goldberg Constr. Co., Mackinaw City, $51,091. Noted June 7.

Mich., Birmingham — Concrete curbing, guttering, grading, graveling 16,000 lin.ft. Lincoln Ave., to Taylor Constr. Co., 1st Natl. Bank Bldg. Est. $25,000.

Ill., Peoria—Grading, curbing, rein.-con. paving 1 block Harrison St., 30 ft., to H. Hoppler, 216 West Armstrong St., $2,554; 6 blocks, East Melbourne, Shelley and Hanasler Sts., to McElwee & Rogy, 826 South Adams St., $28,227.

Wis., Milwaukee—Supervs. Milwaukee Co., widening, concrete paving 7,600 sq.yd. Silver Spring Rds. 1, 2 and 3, to White Constr. Co., 68 East Wisconsin Ave., $50,735; Silver Spring Rd. 4, to J. P. Humphries, 888 Island Ave., $30,545. Noted June 21.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Badger Constr. Co., 97 Wisconsin Ave., 3 in. sheet asphalt paving 10,965 sq.yd. Cherry St. $12,062, 839 sq.yd. Greenfield Ave. $22,258, 3,192 sq.yd. Walnut St. $4,518. Grand total $38,838.

Ia., Boone—Boone Co., to C. C. Barnes & Son, Des Moines, grading secondary roads, 30,000 cu.yd. excav. at $0.32 per cu.yd.; to Allison Grading Co., Boone, 3,000 cu.yd. excav. $0.22; to Myers & Myers, Boone, 5,000 cu.yd. channel change $0.26; to C. A. Lamb, Boone, 5,000 cu.yd. channel change, $0.277.

Ia., Denison, Crawford Co., to McDougal Constr. Co., Sioux City, improving 24.5 mi. road, 14,400 cu.yd., Class "A" gravel at $1.997 per sq.yd., 6,500 cu.yd. crushed gravel $0.35, 39,000 units overhaul $0.065, 3,000 cu.yd. tripping $0.20. Noted June 21.

Ia., Pocahontas—Pocahontas Co. to J. W. Donnelly, Gilmore City, graveling Hawkeye Co. Rd., 3,000 cu.yd. screen gravel 1 mi. haul at $3.30 per cu.yd. No. 9,300 units overhaul, $0.06, 1,800 cu.yd. stripping $0.18; 17 mi. secondary roads, 7,200 cu.yd. gravel $0.27, 3,600 cu.yd. crushed gravel $0.28. Noted June 21.

Minn., Duluth—P. G. Phillips, city comr., grading, curbing, sidewalks concrete paving 9,676 sq.yd. 8th St. and Hawthorne Rd. to Allen Ave. and Vermilion Rd., to J. Winnemaki, 1018 East 13th St., $40,139. Noted May 17.

Kan., Fredonia—Wilson Co., grading, culverts 7.324 mi. Project 557, 30 ft., to A. L. Cook, Ottawa, $47,424. Noted June 28.

Kan., Lyons—Rice Co., grading, culverts 5.012 mi. Federal Aid Project 331-B, 30 ft., to E. W. Koterman, 301 Karback Bldg., Omaha, Neb., $29,049.

Kan., Lyons—D. Brua, clk. Rice Co., grading, 6.326 mi. Federal Aid Project 331, Sects. B and E, to E. W. Kolterman, 301 Karbach Bldg., Omaha, Neb.; 8 bridges to Erickson Constr. Co., Lindsborg. Noted June 14.

Kan., Ottawa—For 3 in. brick over old brick paving 19,000 sq.yd. Main St. to Cook & Stucker, Ottawa, surfacing brick, $1.75 per sq.yd., brick relaid $0.80, curb and gutter, $1.80 ft.

Mo., Sikeston—Concrete paving 11,000 sq. yd. Main St. to carry State Hy. System through city, to Tidd & Cole, Hutchinson, Kan.

Ark., Ft. Smith—Concrete paving 1,920 sq.yd. Dist. 38, to T. J. Hays, 3303 Rogers St., $3,682—concrete paving 2,950 sq.yd. Dist. 42, and curbing, guttering Hillcrest Dist., to Luke Constr. Co., 2802 West 15th St., Little Rock, 5,733 and $16,003 respectively.

Tex., Dallas — Willite paving Cedar Springs Rd. from River to Maple Sts., to Fuller Constr. Co., Republic Bank Bldg., $81,061. Est. $90,000.

California—State Hy. Comn., Sacramento, grading, concrete paving 11.6 mi. Ventura Co., to Jahn & Bressi, 724 South Spring St., Los Angeles, $468,324—grading 7.2 mi. San Diego Co., to Hauser Constr. Co., Seaside St., Long Beach, $237,626. Noted June 21.

Calif., Los Angeles — Los Angeles Co., grading, curbing, walks, concrete paving Impvt. 789, to Dann & Maney, 1120 West 8th St., $48,338—3 in. oil macadam paving 240, 575 sq. ft. Descano Way, to A. O. Nelson, 136 North Huntington Dr., Pasadena, $39,916—vibrolithic concrete paving Hawthorne Ave., Contr. 336, to Griffith Co., Railway Bldg., $48,185. Grand total $136,439.

Calif., San Luis Obispo—San Luis Obispo Co., grading, mains, lighting system, paving Vista Del Encanto Tract, to I. L. Ryder, 205 Almaden Ave., San Jose, $172,150.

Ont., Kitchener—Asphalt paving Union Blvd., Lydia and East Weber Sts., to Standard Paving Co. Ltd., Central Chambers, Ottawa. Est. $40,000. Noted Apr. 12.

Ont., Merlin — Kent Co. (Chatham), asphaltic macadam on block base paving 10,000 sq.yd. King St. N., to Merlo & Ray, Sandwich St., Ford City. Est. $30,000.

Ont., Toronto—York Twp., bitulithic on concrete paving 10,000 sq.yd. Pinewood Ave. and Baby Point Crescent, to Warren Bituminous Paving Co., 54 University Ave., $45,546. Est. $45,000.

Ont., Toronto—Toronto and York Co. Roads Comn., 57 Adelaide St. E., penetration macadam paving 1¼ mi. Vaughan Rd., to Fisher Constr. Co., 877 Broadview Ave.,

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Streets and Roads (Continued)

$15,000; waterbound macadam paving 1¼ mi. Nashville Rd. W., to Dagg Constr. Co., Kleinburg, $19,600.

Ont., Windsor—Concrete paving 12,000 sq.yd. alleys, to Chick Contg. Co., 951 McDougall Ave., $31,000. Est. $30,000.

B. C., Chilliwack—P. Philip, engr. Dpt. P. Wks., Victoria, warrenite bitulithic paving 6.28 mi. Provincial Hy., to Columbia Bitulithic Ltd., 500 Beatty St., Vancouver, $145,000.

Public Bond Elections

Coming Elections

Waterworks—Meadow, Tex., $100,000.
Waterworks—Bismarck, Mo., $47,000.
Bridge—Pittsburgh, Pa., $14,650,000.
Paving—Pittsburgh, Pa., $17,480,000.
Paving—Brownsfield, Tex., $50,000.
Paving—Pleasant Hill, Tex., July 31, $25,000.
Court House—Los Angeles, Calif., $10,000,000.
Office and Auditorium—Pittsburgh, Pa., $8,550,000.
School—Meadow, Tex., $150,000.
School—Tulsa, Okla., $1,500,000.
Lighting System—El Reno, Okla., Aug. 1, $25,000.
Fire Alarm System—Sacramento, Calif., $305,200.
Park Improvement and Airport—Pittsburgh, Pa., $3,000,000.
Fire Alarm System—Sacramento, Calif., $305,200.

Bonds Voted

Waterworks—Archer City, Tex., $40,000.
Waterworks—Holland, Tex., $50,000.
Sewers—Archer City, Tex., $40,000
Sewers—Vancouver, B. C., $250,000.
Drain—Grosse Pointe Park (mail Grosse Pointe), Mich., $795,000.
Paving—Anson, Tex., $25,000.
Paving—Corinth, Miss., $600,000.
Paving—Greenville, Tenn., $30,000.
Paving—Hempstead, Tex., $230,000.

Buildings—Commercial

Proposed Work

Mass., Boston—STORE and OFFICE—Neisner Bros., Inc. (5 & 10c stores); 49 East Ave., 3 story, basement, brick, plain found., 349-363 Washington St. To exceed $150,000. Private plans.

Mass., Greenfield—THEATRE—G. B. Theatres Corp., N. E. Goldstein, 103 Bridge St., Springfield, plans by Mowl & Rand, 21 School St., Boston, probably brick, steel. $150,000 or more.

Mass., Lynn—APARTMENT—Owner, c/o E. Earp, archt., 333 Union St., sketches 3 story, basement, 60 x 200 ft., brick, plain found., Union St. $150,000.

Mass., Lynn—APARTMENT—A. H. Stockbridge, 76 Park St., plans by C. L. Betton, 31 Exchange St., 2 units 3 story, basement, brick, stone, plain founds. Park St. and Western Ave. $150,000. Noted June 28.

Mass., Pittsfield—HOTEL—Wendell Hotel, South St., plans by A. H. Lavalle, 496 Bridge St., Springfield, altering and constructing brick, steel addition, South St. To exceed $150,000.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—H. N. Faxon, Cliveden Bldg., plans by Shepard & Stearns, 65 Franklin St., Boston, 2 story, basement, 125 x 195 ft., brick, plain found., Hancock St. $150,000.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—M. Winer, 85 Monroe Rd., brick, stone, 1428-1432 Hancock St. $150,000 or more. Engineer and architect not selected.

Conn., New Haven—ARMORY—State, F. Salmon, comptroller, State House, Hartford, plans by Payne & Keefe, 231 State St., New London, D. E. Smith, associated archt., 52 Temple St., brick, steel and concrete, Beaver Hill. $700,000. Noted June 7.

Conn., Newton—TOWN HALL—Town, Edmond Memorial, Town Hall, Com., Town Hall, sketches by Sunderland & Watson, 248 Main St., Danbury, town hall. $250,000. Noted July 5.

N. J., Bayonne—HOME—Bd. Freeholders Hudson Co., Court House, Jersey City, soon lets contract 2 story, basement, brick, steel, plain found., 56th St. west of Hudson Blvd. $150,000. C. H. Ziegler, 75 Montgomery St., Jersey City, archt. Noted June 28.

N. Y., Brooklyn—APARTMENT—Dawn Realty Corp., S. Kaplan, pres., c/o J. J. Millman, archt., 26 Court St., 6 story, 86 x 100 ft., brick, Brightwater Court and Bunlig St. $250,000.

N. Y., Brooklyn—APARTMENTS—Philly Building Co., N. Jeffe, secy., 858 Driggs Ave., plans by P. L. Kieswetter, 16 Court St., two 4 story, 88 x 125 ft., brick, timber, 62nd St. and East 11th Ave. $400,000.

N. Y., Brooklyn—COMMUNITY—Beth El Ohim, c/o D. Levy, archt., 110 East 42nd St., New York, soon lets contract 4 story, 105 x 112 ft., brick, stone, Garfield Pl. and 8th Ave. $500,000. M. Freehof, 415 Lexington Ave., New York, associated archt. Noted Dec. 8, 1927.

N. Y., Brooklyn—STORE and APARTMENT—M. K. & L. P. Realty Corp., L. Posner, secy., 611 Empire Bldg., plans by Cohn Bros., 361 Stone Ave., 6 story, 192 x 203 ft., brick, timber, Kingston Ave. and Lefferts St. $650,000.

N. Y., New York—APARTMENT—Carmine Cioffe, Inc., 1695 Boston Rd., plans by G. Swiller, 4215 3rd Ave., 6 story, 102 x 175 ft., brick, Castle Hill and Tremont Aves. $400,000.

N. Y., New York—APARTMENT—Hood Building Corp., M. Goodman, pres., 12 East 41st St., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, 95 x 100 ft., brick, steel, 693 West End Ave. $1,000,000.

N. Y., New York—APARTMENT—Scher Constr. Corp., 1561 48th St., Brooklyn, plans by Cohen & Siegel, 45 West 57th St., 6 story, 86 x 100 ft., brick, timber, 138 West 140th St. $185,000.

N. Y., New York—APARTMENT—Silberg Constr. Corp., A. Silberberg, pres., 11 West Mt. Eden Ave., plans by G. G. Miller, 1482 Bway., 6 story, 85 x 97 ft., brick, Woodycrest and 165th Sts. $190,000.

N. Y., New York—COURT HOUSE—Dpt. Pub. Buildings, Municipal Bldg., plans by M. Hausle, 3307 3rd Ave., 3 story, 64 x 104 ft., brick, steel, stone, Grand Concourse and McClellan St. $200,000.

N. Y., New York—LOFT, OFFICE, STORE—Estate of W. DeForest Manice, c/o Clifton & Russell, archts., 17 John St., 24 story, 100 West 36th St. $1,200,000.

N. Y., New York—LOFT and STORAGE—Gowol Holding Corp., J. Gold, pres., 522 5th Ave., plans by de Young & Moskowitz, 11 East 44th St., 5 story, 59 x 102 ft., brick, 158 157 West 83rd St. $150,000.

N. Y., New York—STORE and OFFICE—Chenco Realty Corp., C. Cohn, pres., 1228 Vyse Ave., bids in September, 12 story, brick, steel, Melrose Ave. and 151st St. $500,000. G. A. Schoenwald, 4733 Grand Central Terminal, archt. Noted June 7.

N. Y., New York—STORE and OFFICE—Charking Corp., S. M. Barner, pres., 305 5th Ave., plans by R. T. Lyons, 40 East 49th St., 21 story, 68 x 100 ft., brick, steel, 30 East 53rd St. $500,000.

N. Y., New York—STORE and OFFICE—Three Sixty-Eight Lexington Ave., Inc., R. J. Schoonmacher, pres., 342 Madison Ave., plans by Moore & Landsiedel, 509 Willis Ave., 22 story, 79 x 150 ft., brick, steel, 116 East 41st St. $3,250,000.

N. Y., New York—STORE, THEATER, OFFICE—Jerroid Holding Co., c/o P. Uris, 271 Madison Ave., brick, steel, 42nd St., between Bway. and 8th Ave. $2,500,000. Engineer and architect not selected.

N. J., Atlantic City—APARTMENT—C. F. Wahl, c/o U. B. Smith, archt., Guarantee Trust Bldg., 6 story, basement, brick steel, plain found., South Penna. Ave. $450,000.

N. J., Caldwell—CONVALESCENT HOME—Theresa Grotto, c/o E. H. Fougner, archt., 197 Market St., Newark, 2 story, basement, brick, steel, plain found. $150,000. Noted July 5.

N. J., Clifton (Ind. br. Passaic)—APARTMENTS—Larson Realty Corp., c/o H. Gerritsen, archt., 118 Passaic Ave., Garfield, two 3 story, basement, brick, plain found., 785-95 Main Ave. $150,000.

N. J., Jersey City—HOTEL—Fairmount Hotel, c/o P. L. Schultz, archt., 256 Summit Ave., Union City, revised sketches 11 story, basement, 50 x 107 ft., brick, steel, plain found. $300,000. Noted May 3.

N. J., Newark—CLUB, STORE and THEATRE—Steuben Club of Newark, Inc., 43 Central Ave., revised plans by F. H. Koenigsberger, 48 Walnut St., 8 story, basement, 130 x 160 ft., brick, steel, plain found., Washington St. $1,000,000. Noted June 9.

N. J., Newark—HOTEL—Metropolitan Building & Realty Co., H. Kruvant, pres., 24 East Park St., sketches by R. Bottelli, 45 Branford Pl., 12 story, basement, brick, steel, plain found. on 100 x 150 site, 19-25 Lombardy St. $300,000.

N. J., Newark—HOTEL—Owner, c/o S. Cohen, archt., 130 Branford Pl., sketches 3 story, basement, brick, steel, plain found., Melford Ave. $150,000.

N. J., New Brunswick—APARTMENT—Eldorado, Inc., c/o M. Klement, archt., 4 Hill St., Newark, 5 story, basement, brick, steel, plain found., 2nd Ave. and North Montgomery St. $150,000.

N. J., Orange—APARTMENT—Bill Wel Co., 135 Hill St., sketches by M. Villa, 604 Central Ave., East Orange, 4 story, basement, 95 x 105 ft., brick, steel, plain found., Whitehall Pl. $150,000.

N. J., Rutherford—APARTMENT—Owner, c/o A. P. Nucciarone, archt., 200 Central Ave., Orange, sketches 3 story, basement, 115 x 120 ft., brick, steel, plain found. $200,000.

N. J., Teaneck (mail West Englewood)—HOSPITAL—Holy Name Hospital, Teaneck Rd., plans by V. Reeser, 55 West 42nd St., New York, 5 story, basement 40 x 230 ft., brick, steel addition, plain found. $800,000.

Pa., Phila.—FIRE STATIONS—City, 4 fire stations in 22nd, 34th, 40th and 42nd Wards. $500,000.

Pa., Phila.—WAREHOUSE—C. Kahn, Morris Bldg., plans by E. A. Hopper, 16 South 18th St., brick, rein.-con., plain found., 76,000 sq.ft. floor space, 6th St. and Glenwood Ave.

Md., Baltimore—THEATRE—Fidelity Amusement Co., c/o E. M. Davidove, Equitable Bldg., plans by T. W. Pietsch, Amer. Bldg., 1 story, basement, 61 x 157 ft., concrete, brick, steel, Gilmore St. $150,000.

D. C., Wash.—APARTMENTS—H. Bralove (owner and builder) 1106 Vermont Ave., N.W., soon takes bids sub-contracts 4 apartment buildings. $3,500,000.

W. Va., Wheeling—APARTMENT HOTEL—Bankers Mortgage Co., plans by Fox Duffy & Foose, 1225 Prospect Ave., Cleveland, O. 4 story, 120 x 120 ft., brick, steel, concrete, terra cotta, National Pike. $250,000.

O., Cleveland—GARAGE—A. Brudno, 1281 West 9th St., 4 story, basement, 42 x 90 ft., brick, rein-con., West 4th St. $150,000. Engineer and architect not selected.

O., Columbus—RETAIL STORE—Montgomery-Ward & Co., Chicago Ave. and Larry St., Chicago, Ill., plans by W. H. McCauley, c/o owner, 2 story, basement, 83 x 188 ft., concrete white terra cotta, 3rd and Main Sts. $500,000.

Ind., Indianapolis—HOSPITAL—City, H. G. Morgan, secy., plans by Vonnegut-Bohn-Mueller, engrs. and archts., Indiana Trust Bldg., several units to hospital, $600,000; by R. F. Daggett, Continental Bank Bldg., service building and power plant $450,000, all rein.-con., brick, steel, 960 Locke St. C. R. Ammerman, Continental Bank Bldg., engr. latter project.

Mich., Detroit—APARTMENT—Owner, c/o W. Hamacher, engr. and archt., Kresge Bldg., 4 story, basement, 78 x 92 ft., brick, steel, stone, plain found. $200,000.

Minn., Minneapolis—HOSPITAL—Swedish Hospital, W. Mills, supt., 10th Ave. and 7th St., soon lets contract 3 story, basement, rein.-con., brick, stone, 10th Ave. S. and 7th St. $350,000. Magney & Tusler, 116 South 9th St., archts. Noted Dec. 22.

Kan., Wichita—OFFICE and GARAGE—See "Contracts Awarded."

Mo., Kansas City—OFFICE—Owner, c/o S. B. Tarbet, archt., 507 Continental Bldg., 23 story, basement, 40 x 142 ft., rein.-con., brick, cut stone, 12th and Baltimore Sts. $1,000,000.

Mo., St. Louis—COMMUNITY and CLUB—J. Heim, archt., 922 Holland Bldg., soon lets contract 3 story, basement, 90x115 ft., rein.-con., brick, stone, terra cotta, incl. large auditorium, in rear lot, 4 social halls, rathskeller, cafe and 12 bowling alleys, 2345 Lafayette Ave., for German House, Inc., J. Toensfeldt, 2345 Lafayette Ave. $300,000. Taxis & Becker, Chemical Bldg., engrs. Noted June 7.

Tex., Dallas—DEPARTMENT STORE—Titche-Goettinger Co., bids early in August, 8 story, basement, 125 x 200 ft., Elm St. $1,500,000 or more. Herbert M. Greene & Co., Constr. Ind. Bldg., archt. Noted May 10.

Tex., San Antonio—OFFICE and GARAGE—J. M. Nix, c/o Lanier Hotel, revised plans by H. T. Phelps, c/o Hicks Bldg., 18 story, basement, structural steel, brick, marble, College and Navarro Sts. $2,000,000. Noted May 10.

Okla., Oklahoma City—HOTEL—C. F. Colcord, Colcord Bldg., plans by Hawk & Parr, Braniff Bldg., 25 story, 140 x 225 ft., steel, red brick, marble, plain found., Grand and Harvey Sts. $4,000,000.

Calif., Los Angeles—OFFICE—Southern California Edison Co., J. B. Miller, pres., 306 West 3rd St., plans by Allison & Allison, 1005 Hibernian Bldg., 12 story, basement, sub-basement, 175 x 175 ft., rein.-con., steel, incl. garage in basement and sub-basement, 5th St. and Grand Ave. $2,000,000.

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Buildings—Commercial (Continued)

Calif., Sacramento—BANK—Bank of Italy, Bank of Italy Bldg., soon lets contract 2 story, basement, concrete, terra cotta addition, 8th and J Sts. $150,000. H. A. Minton, Bank of Italy Bldg., San Francisco, archt. L. H. Nishkian, 525 Market St., San Francisco, engr. Noted Feb. 23.

Mexico—CLUB—See "Unclassified."

Bids Desired

Massachusetts — EMPLOYEE and NURSES' HOME—July 30, by Dpt. P. Health, State House, Boston, women's employee building at state sanatorium, Rutland, and nurses' home at Lakeville Sanatorium, Lakeville, both 3 story, basement, brick, plain founds., for Commonwealth of Massachusetts. Total $150,000. Stevens & Lee, 45 Newbury St., Boston, archts.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Boston—HEALTH UNIT—July 30, by Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., 3 story, basement, brick, granite, limestone, plain found., High, Elm and Summer Sts., Charlestown, for City of Boston, G. R. White Fund, G. E. Phelen, City Hall. $250,000. Noted Mar. 1.

Mass., Boston — STORE and OFFICE—A. Lipp, 27 State St., taking bids 5 story, basement, brick, limestone, plain found., 116 Newbury St. $150,000. Funk & Wilcox, 26 Pemberton Sq., archts.

Mass., Fall River—BANK and OFFICE—Citizens Savings Bank, J. T. Swift, treas., South Main St., taking bids 3 story, basement, 55 x 85 ft., brick, rein.-con., limestone, plain found., South Main St. $250,000. T. M. James Co., 3 Park St., Boston, archt. Noted June 14.

Mass., Fall River—STORE and OFFICE—July 31, by G. N. Durfee & Sons, 344 Lincoln St., and T. M. James Co., archts., 3 Park St., Boston, rebuilding 3 story, basement, brick, plain found., Purchase and Bedford Sts. $200,000. Noted Mar. 1.

Conn., Greenwich — THEATRE and APARTMENT—Lincoln Theatrical Enterprises, Inc., 972 Broad St., Newark, N. J., taking bids 1 and 2 story, Boston Post Rd. $2,000,000. W. E. Lehman, 972 Broad St., Newark, N. J., archt. Noted June 7.

N. Y., Oneida—ARMORY—Aug. 10, by Adjutant General div. Military and Naval Affairs, Executive Dpt., Albany, state armory; adv. E.N.-R. July 26.

N. J., Orange—APARTMENT—J. Zingalli, Glenridge Ave., Montclair, and A. P. Nucciarone, archt., 206 Central Ave., taking bids general contract 4 story, basement, 90 x 135 ft., brick, steel, plain found., Washington and North Center Sts. $160,000. Former sub-bids rejected. Noted July 12. Steam heating, boilers, metal lath, etc.

N. Y. New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENT—Sept. 1, by Caul Realty Corp., H. E. Murray, pres., 25 West 43rd St., general or separate contracts 15 story, 100 x 149 ft., brick, steel, 96 Central Park W. $1,600,000. Schwartz & Gross, 347 5th Ave., archts. Noted Mar. 1.

N. J., East Orange—STORE and OFFICE—F. Bower, archt., 437 Main St., taking bids 2 story, basement, 80 x 125 ft., brick, steel, plain found., for Kelp Realty Co., 372 Main St. $150,000.

N. J., Elizabeth—APARTMENTS—See "Contracts Awarded."

N. J., Haddonfield—APARTMENT—See "Contracts Awarded."

N. J., Irvington (br. Newark)—APARTMENT and STORE — See "Contracts Awarded."

N. J., Jersey City—CLUB HOUSE—Polish American Democratic Club, 22 Liberty Ave., bids about July 31, 3 story, basement, 75x100 ft., brick, steel, plain found., incl. auditorium, restaurant, bowling alley and billiard room, 24 Liberty Ave. $150,000. P. O. Simeone & Co., Inc., 22 Journal Sq., archts. Noted Sept. 22.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—OFFICE and HOTEL—See "Contracts Awarded."

N. J., Newark—STORE, OFFICE and LODGE—See "Contracts Awarded."

N. J., Ridgewood—THEATRE and STORE—North Oak Impvt. Co., 243 West Ridgewood Ave., taking new bids 4 story, basement, brick, steel, plain found., North Oak St. and Franklin Ave. $1,000,000. P. A. Vivarttas, 110-48th St., Union City, archt. Noted May 3.

N. J., Verona (Ind. br. Montclair)—APARTMENT—See "Contracts Awarded."

Pa., McKeesport—THEATRE and STORE Aug. 10, by J. Eberson, archt., 212 East Superior St., Chicago, Ill., 4 story, basement, 90 x 140 ft., brick, steel, terra cotta, 5th Ave. and Market St., for Harris Bros Amusement Co., Davis Theatre Bldg., Pittsburgh. $500,000. Noted June 14.

Pa., Phila.—HOTEL—July 30, by P. M. Julian, archt., 917 15th St N.W., Wash., D. C., 22 story, basement, 60 x 110 ft., rein.-con., brick, steel, plain found., 13th and Locust Sts., for Blackstone Hotel, Inc., c/o architect $1,000,000.

Pa., Pittsburgh — FIRE and POLICE STATION—July 30, by City Controller, 3 story, basement, 60 x 125 ft., brick, steel, concrete, Broad St., for City, Dpt. P. Safety. R. Neff, city archt. Noted Sept. 22.

La., Houma—HOTEL and GARAGE—Aug. 26, by Lockett & Chachere, archts., Balter Bldg., New Orleans, 2 story, brick, hollow tile, rein.-con. found., for W. J. Picone. $150,000.

Ky., Louisville — HOSPITAL, etc.—Aug. 8, by A. Loomis, archt., Todd Bldg., 4 story, basement, 37 x 97 ft. addition, power house, laundry, also 12 room addition to nurses home, for Jewish Hospital, Floyd and Kentucky Sts. $200,000.

Ind., Franklin — HOSPITAL — Masonic Home, O. E. Holloway, chn., taking bids 4 story, basement, rein.-con., brick, steel. $150,000. McGuire & Shook, North Meridian St., Indianapolis, archt.

Ill., Chicago — APARTMENT — Levy & Klein, archts., 228 North La Salle Sts., taking bids 4 story, basement, 62 x 200 ft., 654 Wrightwood Ave., for M. R. Rosen & Fischel, c/o architects. $390,000.

Ill., Chicago—APARTMENT—H. Zisook, 4655 Lake Park Ave., bids about Aug. 1, 3 story, basement, 135 x 138 ft., brick, stone, Pratt Blvd. and Hillsdale Ave. $360,000. T. Bishop & Son, 35 South Dearborn St., archts. Owner does carpentry work.

Ill., Chicago—HOTEL—Wallach Bros., 134 North La Salle St., bids about Aug. 1, separate contracts 7 story, basement, 51 x 147 ft., rein.-con., brick, stone, 1234-36 Wabash Ave. $500,000.

Ill., Chicago—HOTEL—H. Zisook, 4655 South Dearborn St., taking bids 4 story basement, 50 x 165 ft., rein.-con., terra cotta, 6326 Kenbark Ave. $150,000. T. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago—STORE and APARTMENT—Lowenberg & Lowenberg, archts., 111 West Monroe St., bids about July 30, 3 story, basement, brick, on 125 x 295 ft. site, Center and Burling Sts., for H. L. Schlaes, c/o architects. $300,000. Noted May 10.

Kan., Garden City — COURT HOUSE — Finney Co., c/o W. G. Hopkins, clk., bids about Aug. 8, 4 story, basement, 70 x 106 ft., rein.-con., stone, Routledge & Hertz, 204 State Exch. Bank Bldg., Hutchinson, archts. Noted June 14.

Mo., Kansas City—GARAGE—Kansas City Power & Light Co., 14th St. and Grand Ave., bids about Aug. 15, 4 story, basement, 125 x 142 ft., rein.-con. $150,000. Private plans.

Tex., San Angelo — DEPARTMENT STORE—D. M. Morgan, archt., c/o Natl. Bank, bids about Aug. 1, 5 story, part basement, rein.-con., brick, plain found., for Baker-Hemphill Co., $200,000. Noted June 12.

Okla., Durant—HOTEL—Aug. 10, by Layton, Hicks & Forsythe, archts., Braniff Bldg., Oklahoma City, 5 story, basement, 75 x 160 ft., rein.-con., brick, plain found., Main St., for Lee & Dyer, $200,000.

Okla., Tulsa — STORE—F. Wolferman, 59th and Main Sts., taking bids 1 and part 2 story, 100 x 125 ft., rein.-con., brick, plain found., 15th and Carolina Sts. $180,000. Boillot & Lauck, 1001 Orear-Leslie Bldg., Kansas City, Mo., archts.

Calif., Eldridge—HOSPITAL—Aug. 7, by G. B. McDougall, state archt., 615 Forum Bldg., Sacramento, 3 story, 54 x 294 ft., rein.-con., at Sonoma State Home. $150,000. W. B. Faville, Sacramento, associated archt.

Calif., Los Angeles — APARTMENT — See "Contracts Awarded."

Calif., San Francisco — APARTMENT — A. H. Larsen, archt., 447 Sutter St., taking bids 6 story, basement, rein.-con., steel, Taylor St., near Jackson St., for G. H. Jovik, 2852 Steiner St., $165,000 or more.

Ont., Ottawa—APARTMENT—C. Burgess, archt., Fraser Bldg., taking bids (except masonry work) 3 story, basement, 90 x 124 ft., rein.-con., brick, steel, stone, plain found., for S. Millar, Bank and Lesgar Sts. Masonry contract, to J. C. James, Flora St. $150,000. Noted Nov. 24.

Contracts Awarded

Mass., Boston — APARTMENTS — R. Brien, 90 Rossmore Rd., Jamaica Plain, four 3 story, basement, brick, timber units, plain founds., 255-263 Chestnut Ave., separate contracts. $160,000. Winebaum & Wexler, 73 Cornhill, archts.

R. I., Providence—CLUB—Providence Boys' Club, 226 South Main St., 3 story, basement, brick, steel, to Chas. B. Maguire Co., 507 Grosvenor Bldg. Est. $150,000. Noted July 5.

N. Y., New York—APARTMENT—Jesmul Constr. Corp., 1474 Shakespeare Ave., T. Mulligan, pres., 6 story, 72 x 195 ft., brick, Nelson and 165th Sts., separate contracts. $235,000. J. P. Boyland, 305 Kingsbridge Rd., archt.

N. Y., New York—APARTMENT—Upton Constr. Corp., E. Cohn, secy., 209 West 145th St., 6 story, 75 x 89 ft., brick; timber, 309 West 149th St., separate contracts. $150,000. Lang & Rosenberg, 1440 Bway., archts.

N. J., Elizabeth—APARTMENTS—M. Kotler, 4[illegible] Broad St., two 4 story, basement, 40 x 90 ft. brick, steel, plain found., 414-20 Vine St., separate contracts. $150,000. Noted July 19.

N. J., Haddonfield—APARTMENT—Haddonfield Manor Corp., 4 story, basement, brick, steel, plain found., separate contracts. $200,000. Edwards & Green, Inc., 584 Federal St., Camden, archts.

N. J., Irvington (br. Newark)—APARTMENT and STORE—S. Schneider, 5 Huntington Terrace, Newark, 3 story, basement, 60 x 130 ft., brick, steel, plain found., separate contracts. $150,000. Noted July 19.

N. J., Jersey City—THEATRE—C. W. & G. L. Rapp, archts., Paramount Bldg., New York, general contract 1 story, basement, 85 ft. high, 78 x 93 x 258 x 316 ft., brick, steel, plain found., to M. Masem & Son, 26 Court St., Brooklyn, N. Y., for Jersey Blvd. Corp. (Loews Theatrical Enterprises), 1540 Bway., New York. Est. $1,500,000. Noted June 21.

N. J., Newark—APARTMENT—Heller Constr. Co., 972 Broad St., 4 story, basement, 50 x 125 ft., brick, steel, plain found., separate contracts. $150,000. W. Lehman, 972 Broad St., archt. Noted July 12.

N. J., Newark—APARTMENT—National Realty Co., 215 Osborne Terrace, 4 story, basement, 100 x 110 ft., brick, steel, plain found., 214-22 Shepherd Ave., separate contracts. $175,000. E. Hauser, 11 Clinton St., archt. Noted July 12.

N. J., Newark—HOTEL—Majestic Holding Co., c/o W. Lehman, archt., 972 Broad St., 15 story, basement, 90 x 125 ft., brick, steel, plain found., to W. J. MacEvoy Constr. Co., 85 Academy St. Est. $2,000,000. Noted July 12.

N. J., Newark—OFFICE and HOTEL—Lefcourt Realty Holdings, 1351 Bway., New York, 30 story, basement, brick, steel, concrete pile found., Mulberry, Commerce and South Canal Sts., separate contracts. $10,000,000. F. Grad, 1023 Broad St., archt.

N. J., Newark—STORE, OFFICE and LODGE—Owner, c/o D. Hal Trevor, archt., 45 Branford Pl., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Bergen and Renner Sts., separate contracts. $150,000. Noted Mar. 22.

N. J., Verona (Ind. br. Montclair)—APARTMENT—M. Zaborsky, 51 Bock Ave., Newark, 3 story, basement, 75 x 100 ft., brick, steel, plain found., separate contracts. $150,000. S. Cohen, 134 Branford Pl., Newark, archt.

Pa., Phila.—APARTMENT—I. W. Levin, archt., 11011 Chestnut St., 4 story, basement, 46 x 145 ft., brick, steel, plain found., to W. P. Cameron Eng. Co., Packard Bldg., for J. B. Scutti, Jefferson Bldg. Est. $200,000. Noted May 31.

Pa., Phila. — WAREHOUSE — Phil-Fibre Box Board Mills, Inc., Delaware and Tasker Aves., 3 story, basement, 50 x 120 ft., brick, concrete, plain found., Delaware and Tasker Aves., to L. Rosengarten, Otis Bldg. Est. $150,000.

Pa., Pittsburgh — GARAGE — Penna Transfer Co., 298 Duquesne Way, general contract 1 and 2 story, basement, 100 x 200 ft., brick, concrete, steel, Main St., to Nicola Building Co., Penn Ave. Est. $150,000.

Md., Baltimore—BANK—Park Bank, W. Bell, pres., Liberty and Lexington Sts., 5 story, basement, 25 x 140 ft., brick, steel, 104 West Lexington St., to Morrow Bros., Fidelity Bldg.

Ind., Indianapolis — APARTMENT — Pennsylvania & 14th Realty Co., 1701 North Illinois St., general contract 6 story, basement, 163 x 660 ft., rein.-con., brick, steel, to E. W. Hauser, 605 Merchants Bank Bldg. Est. $500,000.

Ill., Chicago — APARTMENT — W. L. Hoffman, archt., 718 West 63rd St., masonry and concrete contract 7 story, 66 x 135 ft., rein.-con., brick, stone, to E. Edlund, 6700 Crandon Ave.; heating, to Economy Plumbing & Heating Co., 1308 South Crawford Ave., for N. L. Randall, 1609 Howard St. Est. $500,000. Noted June 21.

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Buildings—Commercial (Continued)

Ill., Chicago — APARTMENT—Winthrop Building Corp. c/o Houlihan & Houser, archts., 64 West Randolph St., general contract 9 story, basement, 50 x 150 ft., rein.-con., brick, stone, 5625 Winthrop Ave., to H. B. Ryan & Co., 500 North Dearborn St.

Ill., Chicago — HOTEL — Lowenberg & Lowenberg, archts., 111 West Monroe St., masonry contract 4 story, 45 x 178 ft. addition, to Borg & Johansen, 2452 Irving Park Blvd., for Austin Hotel Co., 321 North Central Ave. Noted Apr. 19.

Kan., Wichita—OFFICE and GARAGE—H. L. Pethel, 420 South Bluff St., 4 story, basement, 50 x 140 ft., brick, steel, stone top addition, South Lawrence St., day labor. $150,000. S. S. Voigt, 522 South Lawrence St., archt.

Mo., St. Louis — APARTMENT — Meyer Finkelstein, et al, c/o 800 Washington Ave., 20 story, basement, 100 x 200 ft., rein.-con., brick, stone, terra cotta, incl. garage in basement, to J. W. Kopman Constr. Co., 4525 Lindell Blvd. Est. $1,900,000. Noted June 28.

Mo., St. Louis—EXPRESS and OFFICE—Terminal R.R. Assn. of St. Louis, H. Miller, pres., 1800 Market St., 2 and 4 story, basement, 70 x 700 x 200 ft., rein.-con., brick, steel, 18th St. and Clark Ave., to Dwight P. Robinson & Co., Inc., 125 East 46th St., New York. Est. $850,000. Noted July 19.

Mo., St. Louis—FRUIT EXCHANGE—Wabash Ry. Co., 1765 Railway Exch. Bldg., 1 story, 56 x 640 ft., and 3 story 82 x 140 ft., rein.-con., brick, 2nd and Carr Sts., to Boaz-Kiel Constr. Co., Ambassador Theatre Bldg. Est. $850,000.

Ore., St. Helena—HOTEL—R. L. Deaver, Bd. Trade Budg., Portland, 4 story, basement, 45 x 80 ft., brick, timber, Plaza and Columbia Sts. $150,000. Owner builds. Private plans.

Calif., Los Angeles — APARTMENT—United Pacific Securities Co., 2504 West 7th St., steel, brick filler walls, Wilshire Blvd. and Commonwealth Ave., day labor and segregated contracts. $1,000,000.

Calif., Los Angeles—BANK and OFFICE—Federal Reserve Bank, 4 story, basement, rein.-con., steel, 10th and Fowler Sts., to P. J. Walker Co., Garland Bldg., $800,000.

Buildings—Industrial

Proposed Work

Mass., Millbury—POWER PLANT—A. D. Windle Co., Howe Ave., electric power plant. $40,000 or more. Engineer and architect not selected.

Mass., Worcester — LAUNDRY — Hovey Laundry Co., 41 Austin St., plans by A. J. Smith, 58 Front St., 4 story, basement, 60 x 80 ft., brick, steel, terra cotta addition plain found. $50,000.

Conn., Hartford — SERVICE — Hartford Gas Light Co., 565 Main St., 1 story, brick, steel, Prospect St. $60,000. Private plans.

Conn., Norwich — PLANT — American Thermos Bottle Co., Laurel Hill Ave., brick, steel addition, 50,000 sq.ft. floor capacity. $125,000. Private plans.

N. Y., Brooklyn—SERVICE GARAGE—A. M. Schaedle, c/o S. F. Oppenheim, Inc., archts., 156 East 42nd St., New York, 1 story, 70 x 193 ft., brick, concrete, Manhattan Ave. and Devoe St. $45,000.

N. Y., New York—BAKERY and STORE—Leland Constr. Co., 601 East Tremont Ave., J. Gadde, pres., plans by L. Pisciotta, 1912 Arthur Ave., brick, Huntspoint and Spofford Sts. $40,000.

N. Y., New York—SERVICE GARAGE—W. Hagedour, 1895-1st Ave., plans by C. Schaefer, 332 East 149th St., 2 story, 100 x 148 ft., concrete, brick, Jerome Ave. and 182nd St. $85,000.

N. Y., New York—SERVICE GARAGE—Weprin & Glass Building Corp., H. Weprin, pres., 145 West 27th St., plans by C. N. Whinston, 2 Columbus Circle, 1 and 2 story, 100 x 200 ft., brick, concrete, Longfellow and Seneca Aves. $50,000.

N. Y., New York—SUB-STATION—New York Edison Co., 130 East 15th St., postponed construction 3 story, 50 x 99 ft., brick, timber, 123 East 83rd St. W. Whitehill, 709 6th Ave., archt. Noted June 21.

N. Y., Ossining — SUB-STATIONS — Northern Westchester Lighting Co., plans by T. E. Murray, archt. and engr., 55 Duane St., New York, 2 sub-stations, near here, $170,000.

N. Y., Tonawanda — FACTORY — Natl. Grinding Wheel Co., A. Russ, pres., 2984 Main St., Buffalo, soon takes competitive bids 2 story, 40 x 100 ft., and 1 story 80 x 100 ft. factory, and 1 story office buildings. $60,000. L. A. Harding Constr. Corp., 1335 Main St., Buffalo, engrs. and archts.

N. J., North Bergen (Ind. br. Weehawken) — EMBROIDERY SHOP and GARAGE—C. Liepig, c/o G. Willoredt, archt., 413 23rd St., West New York, 2 story, basement, brick, plain found., 25th and Smith Sts. $40,000.

O., Cleveland — WAREHOUSE — Nickel Plate Development Co., c/o A. C. Harvey, ch. engr., Terminal Tower, 1 story, 50 x 261 ft., brick, steel, Central Ave. and Commercial Rd. $150,000. Private plans.

Ind., Indianapolis—SERVICE BUILDING and POWER PLANT—See "Buildings-Commercial."

Mich., Detroit — FACTORY — Lane Davenport & Peterson, engrs., 1007 Chevrolet Bldg., soon let contract 2 story, 60 x 60 ft., and 60 x 68 ft., rein.-con., brick, stone, plain found., Woodrow Wilson Ave., for Gorham Tool Co., 2206 12th St. Noted July 5.

Ill., East St. Louis — FACTORY — Parks Airlines, Inc., Missouri Theatre Bldg., St. Louis, Mo., sketches, 1 story, 200 x 850 ft., rein., con. $500,000.

Ark., Blytheville — GAS PLANT — See "Unclassified."

California — AUTO LAUNDRIES — Corporation now being organized 5 rein.-con. laundries, in San Francisco, Oakland, and Los Angeles, $75,000 each. G. L. Rosebrook 1404 Franklin St., Oakland, engr.

Calif., Los Angeles—FACTORY—Victor Talking Machine Co., c/o W. Knowles, archt., 1214 Webster St., Oakland, fireproof, 30,000 sq.ft. floor space. $250,000.

Ont., Walkerville — ASSEMBLING PLANT and POWER HOUSE—Genl. Motors of Canada, H. A. Brown, mgr., Oshawa, soon lets contract 2 story, 500 x 100 ft., and 80 x 100 ft., brick, steel, Howard Ave. $250,000. Hutton & Souter, 6 James St. S., Hamilton, archts.

Bids Desired

Mass., Chelsea (br. Boston)—FACTORY—Beaudette Mfg. Co., Crescent Ave., taking bids altering and constructing 2 story, brick addition. Schein & Levine, 448 Bway., archts. Noted July 14.

R. I., Providence — PRODUCE TERMINAL—July 27, by Produce Wholesale Food Terminal, c/o Jenks & Bellou, archts., 1035 Grosvenor Bldg., 2 story, basement, 85 x 700 ft., and 70 x 700 ft., brick, steel, concrete, Kinsley and Harris Aves. $3,000,000. Noted March 29.

N. Y., Long Island City—HOUSING STATION—Aug. 1, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., housing station, Betts Ave., Laurel Hill.

N. J., Kearny (Sta. Arlington)—WAREHOUSE—Western Electric Co., 195 Bway., New York, M. Melin, in charge, taking bids general contract 7 story, brick, Central Ave., $1,200,000. Private plans. Foundation for above, to H. Steers, 17 Battery Pl., New York. Noted June 7.

N. J., Newark—RADIO TUBE FACTORY—Sonatrom Tube Co. (Radio Tube Corp.) 88 8th Ave., and Siegler & Greenberg, archts., 164 Market St., taking bids general contract 4 story, basement, 45 x 120 ft., brick, steel, plain found., 57-9 State St., $60,000. Noted July 5.

N. J., Orange — FACTORY — See "Contracts Awarded."

W. Va., Clarksburg—CUTTING ROOM—See "Contracts Awarded."

O., Cleveland—FACTORY and OFFICE—McKinney Tool & Mfg. Co., E. W. McKinney, pres., Arabella Rd. and Roseland Ave., taking bids 1 story, 60 x 60 ft. factory, 1 story, 40 x 40 ft. office building, brick, steel, concrete, Roseland Ave. $40,000. E. G. Hoefler, B. F. Keith Bldg., archt.

Ind., New Harmony—POWER PLANT—July 31, by J. Rutledge, city clk., New Harmony, remodeling power plant, installing 180 hp. oil engine. W. S. Heer Eng. Co., 413 Terre Haute Trust Bldg., Terre Haute, engrs.

Mich., Detroit — SUB-STATION — See "Contracts Awarded."

Mich., Holland—BAKERY—Aug. 2, by Robinson & Co., archts., 715 Michigan Trust Bldg., Grand Rapids, 2 story, basement, 53 x 121 ft. and 1 story, 53 x 113 ft., brick, timber, plain found., for Dutch Tea Rusk Co. $50,000 or more.

Wis., Milwaukee — FACTORY — A. O. Smith Corp., 27th and Keefe Sts., taking bids 1 story, 280 x 720 ft., brick, steel addition, 35th and Keefe Sts. $400,000. Private plans.

Kan., Wichita—PACKING PLANT—F. Dold & Sons, 21st and Lawrence Sts., taking bids 1 story, basement, 100 x 180 ft., brick, rein.-con. 21st and Topeka Sts. $125,000. Herschen & McClaren, 1637 Prairie Ave., Chicago, Ill., engrs. Noted July 19

Mo., Kansas City — GARAGE—Kansas City Power & Light Co., 14th St. and Grand Ave., bids about Aug. 15, 4 story, basement, 135 x 142 ft., rein.-con. $150,000. Private plans.

Ont., Hamilton — KNITTING FACTORY—S. McPhe, archt., 45 Sun Life Bldg., about Aug. 1, 3 story, 75 x 300 ft. rein.-con. factory, for J. R. Moodie Co. $250,000.

Sask., Prince Albert — BOILER ROOM, etc.—July 31, by L. W. Andrew, city clk., excavation, masonry, structural steel, roofing, sheet metal for boiler room extension, Contr. A; water tube boilers, automatic underfed type stokers, superheaters, steel stack, forced draft fans, soot blowers, boiler feed pumps, steam valves, piping, regulating and controlling devices, Contr. B, in city electric plant.

Contracts Awarded

Mass., Haverhill — FACTORY — L. H. Hamel Leather Co., 117 Essex St., 1 story, basement, 60 x 160 ft., brick, timber, plain found., Locke St., to J. Roche, Haverhill. Est. $40,000 to $50,000.

Mass., Swampscott (Ind. br. Lynn)—SERVICE and REPAIR—F. I. Richardson, 28 New Ocean St., 1 story, 70 x 150 ft., brick, stone, plain found., Kings Beach, to R. A. Morrison Constr. Co., 7 Munroe St., Lynn. Est. $50,000. Noted June 28.

N. Y., Binghamton—FACTORY—Fairbanks Valve Co., Lafayette and Broome Sts., 2 story, rein.-con., to A. W. Bowle, Press Bldg. Est. $125,000. Noted Apr. 5.

N. Y., Brooklyn—FACTORY—Wendell & Evans, 40 Washington Sq., New York, altering 2 story, 12th St. and 3rd Ave., to J. Auer, 648 Lexington Ave. Est. $40,000. Noted June 14.

N. Y., Lockport—POWER HOUSE—Palace Laundry Co., 10th and Pine Sts., Niagara Falls, general contract 2 story, 46 x 55 ft., 10th and Pine Sts., to Scrutari Constr. Co., 825 15th St., Niagara Falls. Est. $60,000.

N. J., Irvington (br. Newark)—PIPE PLANT—American Metal Moulding Co., 146 Coit St., general contract 1 story, 52 x 200 ft., brick, tile, plain found., to Enstice Bros., 11 Academy St., Newark. Est. $40,000. Noted July 19.

N. J., Orange—FACTORY—W. E. Wright & Sons Co., 501 Highland Ave., 1 story, 75 x 105 ft., brick, steel, plain found., separate contracts. $40,000. E. C. Epple, 44 Commerce St., Newark, archt.

N. J., West New York—LAUNDRY—Ideal Laundry Co., Palisade Ave., 2 story, 75 x 80 ft., rein.-con., steel, white enamel brick addition, plain found., to Herring Bros., 236-31st St., Woodcliffe. Est. $40,000.

W. Va., Clarksburg—CUTTING ROOM—Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, Pa., 4 story, 150 x 400 ft., brick, steel addition, separate contracts. $150,000. Private plans.

O., Cincinnati—FACTORY—Andrews Jergens Co., Spring Grove Ave., 6 story, 61 x 147 ft., rein.-con., brick, plain found., Spring Grove, to Ferro Concrete Co., Elm St. $100,000. Noted May 17.

O., Cleveland — PACKING PLANT — Hildebrandt Provision Co., H. A. Hildebrandt, secy.-treas., 3620 Clarks Ave., 3 story, basement, 105 x 127 ft., brick, rein-con., 3620 Clark Ave., to Boldt-Rapp Co., 5511 Euclid Ave. Est. $150,000.

Mich., Detroit—SUB-STATION—Detroit Edison Co., 2000-2nd Blvd., 2 story, basement, rein.-con., brick, steel, plain found., Rademacher Ave., day labor. $400,000.

Mich., Highland Park (br. Detroit)—PLANT—Chrysler Motor Corp., 2 story, basement, 71 x 93 ft., steel, heavy concrete machine found., here, to Everett Winters Co., 1651 East Grand Blvd., Detroit. $75,000.

Mich., Saginaw—OFFICE, etc.—Chevrolet Motor Car Co., rein.-con., steel additions to office and locker, pattern, cleaning, core and foundry, oil storage, acetylene gas buildings, power house and oil storage pit, to Everett Winters Co., 1651 East Grand Blvd., Detroit, $2,000,000.

Ill., Chicago — PLANT — David Luptons Sons Co., Tulip St. and Allegheny Ave., masonry and painting contracts 1 story, 150 x 500 ft., to Foltz & Co., 510 North Dearborn St.; plumbing, to G. Hill Co., 6314 South Central Ave.; heating, to J. H. McCauley, 5321 West 65th St.

Ill., Chicago—FACTORY—Mills Novelty Co., 4100 Fullerton Ave., masonry and carpentry contract 4 story, 60 x 229 ft., brick, 4100-18 Fullerton Ave., to G. Thompson & Son Co., 30 North La Salle St. Est. $120,000.

Wis., Appleton — FOUNDRY — Appleton Machine Co., 618 Oneida St., 1 story, 80 x 100 ft., brick, steel addition, to J. W. Nerhood, 224 North Catherine St.

Minn., Minneapolis—BAKERY—Zinsmaster Baking Co., Sherburne St. and Park Ave., St. Paul, general contract 2 and 4 story, basement, rein.-con., brick, East 29th St. between Park and Oakland Aves., to Pike & Cook, 416 South 5th St. Est. $175,000.

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Buildings—Industrial (Continued)

Tex., Pyote — REFINERY PLANT — Amarillo Producers & Refiners Corp., c/o J. W. Warthar, Amarillo, 3,000 bbl. capacity, near here. $150,000. Owner builds.

Buildings—Educational, Religious

Proposed Work

N. H., Laconia—CHURCH—St. Joseph's Roman Catholic Church, T. Redding, pastor, sketches by J. J. O'Shaughnessy, and Smith & Walker, associate archts., 80 Boylston St., Boston, Mass., 1 story, basement, brick, stone, plain found., Church St. $150,000.

Mass., Ashland—SCHOOL—Town, Building Com., c/o W. H. Brainerd Associates, archts., 89 Franklin St., Boston, 2 story, basement, 60 x 140 ft., brick, stone, plain found., near Town Hall. $150,000.

Mass., Framingham—SCHOOL—Town, C. A. Potter, chn. com., 6 Beaumont Bldg., sketches by E. I. Wilson, 2 story, basement, brick, stone, plain found., Beacon and Leland Sts. $150,000. Noted Feb. 16.

Mass., Lynn—HIGH SCHOOL—City, R. S. Bauer, mayor, City Hall, sketches by Sanborn & Weed, Item Bldg., Central High School, Memorial Park. $1,000,000. Noted Jan. 19.

Mass., Melrose (Ind. br. Boston)—CHURCH and PARISH HOUSE—Unitarian Congregational Church, H. T. Secrist in charge, Emerson St., church and parish house, Emerson and Myrtle Sts. $150,000 funds being raised for same. Engineer and architect not selected.

Mass., Westfield—HIGH SCHOOL—City, High School Comn., plans by M. B. Harding, 6 Main St., brick, steel, Chauncey Allen Park. $500,000. R. M. Sizer, 12 Elm St., engr.

R. I., Providence—HIGH SCHOOL—Pub. Building Dept. plans by T. J. H. Pierce, City Hall, Junior High School, brick, steel, Broad St. To exceed $150,000.

N. Y., Buffalo—SCHOOLS—Bd. Educ., Genesee Bldg., plans by E. Crimi, Genesee Bldg., addition to School 33, incl. 4 classrooms, auditorium, gymnasium, cafeteria, manual training, domestic, art and science depts., kindergarten, boiler room, 757 Elk St., $21,000; addition to School 44, Bway. and Krupp Sts., $352,000 and $603,150; addition to School 19, incl. 19 classrooms, gymnasium, auditorium, cafeteria, manual training, domestic art and science depts., kindergarten, West Ave. and West Delavan Ave., $390,000; addition to School 17, incl. 8 classrooms, auditorium and boiler room, 1820 Main St., $154,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., plans by W. C. Martin, Flatbush Ave. extension and Concord St., Brooklyn, School 92, 4 story, brick, 178 Clinton St. $912,000.

N. Y., Uniondale—SCHOOL—Bd. Educ. Dist. 2, Nassau Rd., Hempstead, H. Weston, pres., soon lets contract 2 story, brick, $230,000. Coffin & Coffin, 522 5th Ave., New York, archts.

N. J., Cliffside—SCHOOL—Bd. Educ., Boro Hall, sketches by Cadeen & Pierson, 545 Gorge Rd., Grantwood, 2 story, basement, brick, steel, plain found., West Grantwood Sect. $350,000.

N. J., Fort Lee — SCHOOL — Madonna Parochial School, J. W. Corcoran, pastor, Jones Rd., 2 story, basement, 137 x 165 ft., brick, steel, plain found., Whiteman and Hoym Sts. $150,000.

N. J., Gladstone—ORPHANAGE—Villa O'Connor Orphanage, C. W. Feigenspan, treas., bids in September or October, 2 story, basement, brick, steel, plain found. Somerset Co. $150,000. De Pace & Juster, 6 East 46th St., New York, archt. Noted Feb. 28.

N. J., Hackensack—SCHOOL—Bd. Educ., J. Sturge, pres., 355 State St., sketches by A. E. Dore, 173 Main St., 2 story, basement, 50 x 120 ft., and 50 x 100 ft., brick, steel wings, plain founds., Grand St. and Fairmount Ave., $281,430. Noted July 5

N. J., North Bergen (Ind. br. Weehawken)—HIGH SCHOOL—Bd. Educ., Town Hall, 3 story, basement, brick, steel, plain found. $500,000. Engineer and architect not selected.

N. J., Paterson—SCHOOL—Bd. Educ., City Hall, plans by J. Van Vlandren 140 Market St., Roosevelt School, 2 story, basement, brick, steel, plain found. $150,000. Noted Apr. 26.

N. J., South River—HIGH SCHOOL—Bd. Educ., Boro Hall, revised sketches by A. Merchant, 52 Patterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000. Noted May 31.

La. Amite—SCHOOL—Tangiphoa Parish, Bd. Educ., c/o W. J. Dunn, supt., bids in September, 2 story, rein.-con., brick, stone. $150,000. R. H. Goodman, Bank of Baton Rouge Bldg., Baton Rouge, archt. Noted June 21.

O., Akron—SCHOOL—Bd. Educ., plans by M. M. Konarski, Central High School Bldg., Andrew Jackson Grade School, 2 story, basement, brick, steel, concrete.

O., Cleveland—HOME—Home for Aged Women, c/o Wright & Hohl, archts., 4614 Prospect Ave., 2 story, basement, 35 x 230 ft., brick, steel, concrete addition, East Blvd. $200,000.

O., Delaware — DORMITORIES, etc. — Ohio Wesleyan University, sketches by Walker & Weeks, 2341 Carnegie Ave., Cleveland, brick, steel, concrete, incl. women's building and religious center. $1,000,000.

Ind., Gary—HIGH SCHOOLS—Bd. Educ. plans by W. B. Ittner, 911 Locust St., St. Louis, Mo., Roosevelt and Lew Wallace High Schools, each 2 story, rein.-con., brick, stone. $500,000 each.

Mich., Bay City—SCHOOL—Bd. Educ. plans by J. Goodeyne, Crapo Bldg., 2 story, basement, rein.-con., brick, steel, plain found., Attica School Site. $160,000.

Mich., Grosse Pointe (br. Detroit)—SCHOOL—Scared Heart Convent, plans by Maginnis & Walsh, Statler Bldg., Boston, Mass., 3 story, basement, brick, limestone, plain found. To exceed $150,000.

Ill., Chicago — HISTORICAL — Chicago Historical Society, 632 North Dearborn St., sketches by Graham, Anderson, Probst & White, 80 East Jackson Blvd., 2 story, basement, incl. auditorium, near North Ave. and Clark St. $1,000,000.

Wis., Milwaukee—OLD PEOPLES HOME—Scandinavian Am. Old Peoples Home, c/o Leenhonts & Guthrie, archts., 424 Jefferson St., taking bids 2 story, English basement, 74 x 113 ft., brick concrete, Vlean Pl.

Mo., Maplewood (br. St. Louis)—HIGH SCHOOL—Bd. Educ., c/o J. J. Bridell, pres., 7415 Flora St., plans by W. B. Ittner, 911 Locust St., St. Louis, 2 story, basement, rein.-con., brick, stone. $195,000.

Okla., Tulsa — SCHOOL — Bd. Educ., sketches school. $1,500,000 bond election soon for same. Engineer and architect not selected.

Calif., Inglewood — HIGH SCHOOL — Inglewood Union High School Dist., sketches by T. C. Kistner Co., 814 Architects Bldg., Los Angeles, 2 story administration, 1 story manual arts, 1 story cafateria and lunchroom, rein.-con., brick, Lawndale Sect. $400,000 bonds voted for same.

Calif., Pomona—HIGH SCHOOL—Pomona City High School Dist., plans by T. C. Kistner & Co., 814 Architects Bldg., Los Angeles, 2 story, 217 x 290 ft. adminstration, 1 story, 50 x 160 ft. manual arts buildings, rein.-con., timber, Garey St. $275,000.

Bids Desired

Massachusetts — NURSES' HOME — See "Buildings—Commercial."

Mass., Arlington (br. Boston) — HIGH SCHOOL—July 31, by Town Bd. Selectmen and H. B. S. Prescott, archt., 12 Pearl St., Boston, altering and constructing 2 story, basement, 65 x 105 ft., and 30 x 50 ft., brick, stone addition to West Junior High School, plain found. incl. assembly hall and gymnasium, Fessenden Rd. $175,000. Noted Apr. 26.

Mass., Fitchburg — CHURCH — Aug. 6 (extended date), by Christ Church, A. V. Bennett, pastor, altering and constructing concrete, stone addition, Fox and Main Sts. $225,000. H. Upjohn, Grand Central Terminal, New York, archt. Noted July 19.

Mass., Framingham—SCHOOLS—Town, J. J. Slattery, chn. com., taking bids altering and constructing two 2 story, basement, brick additions, plain founds. $150,000. G. Marlow, 234 Boylston St., Boston, archt.

Conn., Stamford — COMMUNITY — July 27, by Stamford Jewish Centre, H. Frankel, 262 Atlantic St., 3 story, basement, brick, stone, plain found. $150,000. D. Levy, 110 East 42nd St., New York, archt. Noted Mar. 15.

N. Y., Granville—HIGH SCHOOL—July 27, by Bd. Educ., W. L. Munson, chn., General contract 2 story, brick. $300,000. A. E. Gilbert, 358 5th Ave., New York, archt. Noted June 28.

N. Y., New York—SCHOOL—Aug .7, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P.S. 187, Northern Ave. and West 187th St., for Bd. Educ., 500 Park Ave.

N. J., Cresskill — SCHOOL — Bd. Educ., Boro Hall, bids about Aug. 15, 2 story, basement, brick, steel, plain found. $450,000. Hacker & Hacker, 201 Main St., Fort Lee, archts. Noted Dec. 29.

N. J., Pleasantville—HIGH SCHOOL—Aug. 28, by C. J. Smith, 3rd St. and Washington Ave., Senior High School, 3 story, basement, 200 x 220 ft., rein.-con., brick, plain found. S. H. Vaughn, Guarantee Trust Bldg., Atlantic City, archt.

Mich., Detroit—SCHOOL—July 30, by Bd. Educ., C. A. Gadd, bus. mgr., 1354 Bway. Ave., 2 story, basement, 142 x 155 ft., brick, steel, concrete, stone, Mt. Elliott Ave. $150,000. N. C. Sorensen, 2231 Park Ave., archt.

Mich., Grand Rapids—CHURCH and SUNDAY SCHOOL—Aug. 10, by Robinson-Campan, associate archts., 715 Michigan Trust Bldg., 1 story, basement, 48 x 102 ft. auditorium, 3 story, basement, 109 x 485 ft. school, brick, plain found., for East Congregational Church, 370 Norwood St. S.E. $150,000. Cram & Ferguson, 248 Boylston St., Boston, Mass., archts. Noted May 10.

Ind., Sheridan—HIGH SCHOOL—School Comrs., bids about Aug. 15, 2 story, basement, rein.-con., brick, steel, stone. $250,000. McGuire & Shook, North Meridian St., Indianapolis, archts. Noted May 24.

Wis., Milwaukee—CHURCH—Aug. 1, by F. S. Gurda, archt., 448 Mitchell St., 1 story, basement, 86 x 123 ft., brick, tile, stone, 15th and Buher Sts., for St. Adelbert's Catholic Congregation, W. Kruszka, pastor, 825 Becher St. Noted Mar. 8.

Wis., Sheboygan — HOME for AGED — Foelber, Schober & Berners, archts., Green Bay, taking bids 3 story, basement, 50 x 115 ft., fireproof addition, for Home for Aged, A. M. Reiss, 1430 West 9th St.

Calif., Burbank—HIGH SCHOOLS—Bd. Educ., taking bids 2 story 55 x 200 ft. art stone, timber addition, Burbank St., $150,000; Valley Junior High School, 1 and part 2 story, 65 x 287 ft., brick, art stone, Burbank St., $150,000. F. D. Rutherford Mills-Frasier Bldg., Santa Monica, archt.

Contracts Awarded

Me., Skowhegan—HIGH SCHOOL—Town c/o W. B. Woodbury, supt. schools, 2 story, basement, 110 x 160 ft., brick, stone, plain found., to G. W. Lane Co., 82 Pierce St., Lewiston. Est. $150,000. Noted June 28.

Mass., Fall River—HIGH SCHOOL—City, W. H. Monks, Mayor, Granite Blk., 3 and 6 story, basement, 145 x 240 ft., brick, granite, plain found., to Greany & Sherry, 827 Davol St., $759,000; heating and ventilating system, to G. Montle, 1247 Pleasant St., $91,000; plumbing system, to T. Helme, 231 New Boston Rd., $53,000; electrical work, to Crawford Electric Co., 419 2nd St., $36,000. Grand total $939,000. Noted June 21.

Mass., Springfield — SCHOOL — City, P. Buildings Dpt., City Hall, altering and constructing 2 story, basement, brick, addition, plain found., to E. J. Pinney, Inc., 220 Dwight St., $168,547. Noted July 5.

Conn., West Hartford (br. Hartford) — SCHOOL—Kingswood School, T. W. Russell, chn., 4 buildings, incl. gymnasium, student, auditorium and headmasters' residence, in Kingswood, to R. G. Bent & Co., 93 Edwards St., Hartford. Est. $225,000. Noted June 14.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 194, to T. J. Hoey, $311,000; heating, to D. J. Rice, 606-1st Ave., New York, $53,000. Noted June 13.

N. Y., Long Island City—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract Queens Vocational and Continuation School, 47th Ave., to Wilaka Constr. Co., Inc., Ocean View Ave. and Humbart St., Brooklyn, $538,480; plumbing, to Endres & Hampton, 69 Radde St., $31,245; heating, to Clermont Heating Co., 480 Clermont Ave., Brooklyn, $69,280. Grand total $630,005. Noted June 21.

N. Y., New York—HIGH SCHOOL—Bd. Educ., 500 Park Ave., general contract Seward Park High School, Ludlow, Broome, Essex and Grand Sts., to Psaty & Fuhrman, Inc., 153 West 72nd St., $1,488,250; plumbing, to Hyman Homer, $108,925; electrical work, to Jandous Electric Equipment Co., 210 East 40th St., $51,860. Grand total $1,649,035. Noted June 21.

N. J., Nutley (br. Newark)—SCHOOL—Bd. Educ., Franklin Ave., general contract 2 story, basement, 100 x 128 ft., brick, steel, addition to Yatacaw School, plain found., to Schaedel Bros. Co., 130 Bruce St., Newark, $211,604. Noted July 12.

N. J., Orange—SCHOOL—Church of Our Lady of the Valley, J. J. Smith, pastor, 510 Valley St., general contract 2 story, basement, 124 x 134 ft., brick, steel, plain found., Valley and McChesney Sts., to C. J. Schubert, 93 Arsdale Terrace, East Orange. Est. $150,000.

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Buildings—Educational, Religious (Cont'd)

N. J., Plainfield—CHURCH and HALL—A. Humble, archt., 551 Fifth Ave., New York, general contract 2 story, basement, 40 x 62 ft., and 36 x 71 ft., brick, stucco wings, plain found., to A. Milne, 15 Natchung Ave., for Hydewood Park Baptist Church, R. F. Pierce, pastor, 122 Lenox Ave. Est. $150,000. Noted June 28.

N. J., Somerville—CHURCH and PARISH HOUSE—P. C. Van Nuys, archt., 1 West Main St., general contract 2 story, basement, 100 x 100 ft., brick, steel, plain found., to G. W. Bond, 66th Ave. and 13th St., for First Methodist Episcopal Church. Est. $150,000. Noted June 28.

N. J., South River—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, plain found., to J. Check, Jr., 59 Main St., $122,949. Noted July 19.

Pa., Phila. — SCHOOL — J. D. Cassell, supt. buildings, 19th and Chestnut Sts., rein.-con., brick, plain found., to Weiss Constr. Co., 1428 Master St., $385,999. Noted July 19.

O., Canton—SCHOOL—Bd. Educ., J. F. Roos, clk., for J. K. Baxter School, 2 story, basement, 96 x 150 ft., brick, steel, concrete, to R. H. Evans Co., Mellett Bldg., $93,450. Noted June 14.

O., Cincinnati — SCHOOL — St. George School, Calhoun and Scioto Sts., 3 story, basement, rein.-con., brick, plain found., Calhoun St., to S. Hannaford, Dixie Terminal, $180,000.

Ind., Greencastle—CHURCH—Methodist Church, general contract brick, steel, stone, Locust and Spring Sts., to L. Colvin, Continental Bank Bldg., Indianapolis. Est. $200,000. Noted Nov. 3.

Mo., Brookfield—SCHOOLS, etc.—H. P. Pempels, archt., 701 Finance Bldg., Kansas City, general contracts 2 story, basement, 100 x 185 ft., rein.-con., brick, stone high school, and 3 story, brick, concrete addition to Adams Grade School, for Bd. Educ., to Busboom Bros., Carthage, $122,500 and $17,500 respectively; plumbing, heating on both schools, to Judd Plumbing, Heating & Supply Co., 513 East 13th St., $27,544. Grand total $167,544. Noted May 10.

Calif., Santa Barbara—SCHOOL— G. B. McDougall, state archt., Sacramento, general contract 2 story, basement, 64 x 296 ft., rein.-con. science building, State Teachers College, to Barkelew & Gould, 2813 Glendale Blvd., Los Angeles, $132,109. Noted June 7.

B. C., Vancouver—SCHOOL—Bd. School Trustees, 590 Hamilton St., Technical School, to Carter, Halls-Aldinger Co. Ltd., 500 Beatty St., Vancouver, $195,000. Noted July 5.

Federal Government Work

Proposed Work

N. Y., Oswego—RIP RAP STONE—U. S. Engineer Office, Buffalo, rejected bids June 28, on and along breakwater Oswego Harbor. Work will be done by Government Plant. Noted May 31.

D. C., Wash.—LIBRARY—U. S. Government plans by Pierson & Wilson, Hill Bldg., 3 story, granite addition to Congressional Library, 1st and East Capitol Sts. S.E. $387,000. Noted June 7.

N. C., Ft. Bragg—BARRACKS—Quartermaster Dept. barracks building.

Ga., Savannah—DREDGING—U. S. Engineer's Office, rejected bids June 25, 21 ft. channel extension, Savannah Harbor. Work will be done by Government plant. Noted May 31.

Fla., Pensacola—TEST BORINGS—Spec. 5685—Bureau Yards & Docks, Navy Dpt., Wash., D. C., rejected bids July 14, at Naval Air Station.

Bids Desired

Connecticut—DREDGING—Aug. 3, at U. S. Engineer Office, Providence, R. I., Thames River.

Connecticut — DREDGING — Aug. 4, at U. S. Engineer Office, Providence, R. I., maintenance dredging in Housatonic River.

N. Y., Glens Falls—WATERPIPING—July 27, by Treas. Dept., at office Supervising Archt., Wash., D. C., U. S. Post Office.

N. Y., New York—LIGHTING—Aug. 7, by Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Custom House.

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Pa., Beaver Falls—REMODELING—Aug. 16, by Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E.N.-R. July 26.

La., New Orleans—EARTHWORK—Aug. 6, by U. S. Engineer Office, River Front and Burdette Sts., 6,300,000 cu.yd. in Fourth Mississippi River Dist., Orleans Co.

Ind., Hammond—REMODELING—Aug. 15, by Treas. Dpt. at office Supervising Archt., Wash., D. C., Post Office.

Mich., Wyandotte—FOUNDATION—July 31, by Treas. Dept., at office Supervising Archt., Wash., D. C., for U. S. Post Office.

Ill., Chicago—BARGE—Aug. 16, by U. S. Engineer Office, 537 Dearborn St., steel barge. adv. E. N. R. July 26.

Ill., Paxton—POST OFFICE—Aug. 20, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office. J. A. Wetmore, acting superv. archt.

Neb., Omaha—WATER PIPING—Aug. 6, by Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Post Office.

South Dakota—SIPHON—Aug. 13, by Bureau Reclamation, Denver, Colo., replacing Deer Creek Siphon, Deer Creek Lateral, Belle Fourche Project.

S. D., Mitchell—EXTENSION—Aug. 17, by Treas. Dpt. at office Supervising Archt., Wash., D. C., extending, remodeling U. S. Post Office.

Tex., Fort Sam Houston (sta. San Antonio)—BARRACKS—Aug. 13, at office Constructing Quartermaster, 2 infantry battalion barracks; adv. E. N.-R. July 26. Noted May 31.

Colorado—ROAD—Aug. 3, by Bureau Pub. Rds., Custom House, Denver, grading 2.58 mi. Sect. D, South St. Vrain Natl. Forest Hy., Larimer Co. J. W. Johnson, Custom House, dist. engr.

Colo., Denver—STEEL PIPE—Aug. 1, by Bureau Reclamation, 1,675 ft. 36 in. steel pipe.

Wash., Ellensburg—CANAL—Aug. 7, at office Bureau Reclamation, South Branch Canal, Kittitas Div., Yakima Project, near here. P. W. Dent, acting comr.

Ore., Salem—REMODELING — Aug. 21, by Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office. J. A. Wetmore, acting superv. Archt.; adv. E.N.-R. July 26.

Bids Received

D. C., Wash.—DRAW SPAN—Executive officer Arlington Memorial Bridge Comn., Navy Bldg., July 16, bascule draw span for Arlington Memorial Bridge, from Bethlehem Steel Co., Bethlehem, Pa., $1,091,580; granite, from Hallowell Granite Wks., Augusta, Me., $18,000. Noted June 14 and 28.

Va., Ft. Myer—THEATRE—Constructing Quartermaster, July 10, theater, from W. H. Dawson, $28,432.

Va., Hampton Roads—STOREHOUSE—Spec. 5623—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Operating Base, from Virginia Eng. Co., 1st Natl. Bank Bldg., Newport News: **(1a)** $196,497 **(1b)** $196,497 **(1c)** $209,022. Noted July 12.

Ga., Savannah — TRAINING WALL — U. S. Engineer Office, July 9, in Savannah River, from Atkinson Dredging Co., West Palm Beach, Fla., $32,250 and $33,250. Noted June 7.

Fla., Jacksonville — CHANGES — Treas. Dept. at office Supervising Archt., Wash., D. C., July 16, at U. S. Post Office, from Johnson Finance & Constr. Co., Jacksonville, $16,000. Noted.

La., Carville—ENGINE GENERATOR—Treas. Dpt. at office Supervising Archt., Wash., D. C., July 19, at Lepers Home, from M. H. Pagenhardt Co., 2130 Locust St., Phila., Pa., $15,372. Noted July 5.

Tenn., Memphis—EARTHWORK—Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., July 6, 730,000 cu.yd. excav. in West Cairo Levee D. D., from J. L. Ward Constr. Co., 11000 Wade Park Ave., $349,670; 612,000 cu.yd. in Reelfoot Levee Dist., from F. C. Morgan, Moratt Hotel, Indianapolis, Ind., $151,260; 105,000 cu.yd. in Reelfoot Levee Dist., from C. I. Jones, 4961 Laclede Ave., St. Louis, Mo., $52,185; 525,000 cu.yd. in Reelfoot Levee Dist., from A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo., $136,500; 10,800 cu.yd. in Reelfoot Levee Dist., from Forcum Jones and C. I. Jones, Dyersburg, $46,440 each; 225,000 cu.yd. in Lower St. Francis Levee Dist., from W. W. Roth, Hickman, $47,250; 190,000 cu.yd. in Lower St. Francis Levee Dist. from C. C. Adderholdt, Memphis, $91,200; 1,265,000 cu.yd. Upper Yazoo Levee Dist., from Canal Constr. Co., McCall Bldg., $308,028; 195,000 cu.yd. in Upper Yazoo Levee Dist., from H. J. Kaiser, 1522 Latham Sq. Bldg., Oakland, Calif. $60,840; 106,000 cu.yd. White River Levee Dist., from G. C. Weathers, Jr., Greenville, Miss., $34,768. Noted June 21.

Tenn., Paris—EXTENSION—Treas. Dpt. at office Supervising Archt., Wash., D. C., extension, remodeling U. S. Post Office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $46,000. Noted June 14.

Ky., Louisville — PUMP HOUSE, etc. — U. S. Engineer Office, July 9, brick and concrete pump house, concrete lined pump pit at Lock and Dam 51, Ohio River, from J. Wardrop & Sons, Golconda, Ill., $7,969 (75 days). Noted June 28.

O., Wooster—EXTENSION—Treas. Dpt. at office Supervising Archt., Wash., D. C., July 13, extending, remodeling U. S. Post Office, from S. Plato, Akron, $58,418. Noted June 21.

Ill., Chicago—ROADWAYS, etc.—Supervising Archt., Wash., D. C., new roadways, walks at U. S. Marine Hospital, from C. E. Carson Co., 601 St. Clair St., $28,880.

Neb., Hastings—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., July 20, U. S. Post Office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $27,110. Noted June 28.

Wyoming—ROADS — Bureau P. Roads, Denver, grading 2.92 mi. Hoback-Canyon Granite Creek Sect., Teton Co., from Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb. $81,652.

Missouri — REVETMENT — U. S. Engineer Office, Kansas City, revetment work on Missouri River bank, 8,500 ft. standard at Brunswick Bend, from Kansas City Bridge Co., 510 Orear Leslie Bldg., $180,042; 3,600 ft. clump dike at Chamois Bend, from Bilhorn, Bowers & Peters, Railway Exch. Bldg., St. Louis, $105,126; 4,800 ft. pile clump dikes at De Witt Bend and 1,100 ft. at Brunswick Bend, from Wood Bros. Constr. Co., 132 West 13th St., Lincoln, Neb., $132,823 and $47,328 respectively. Noted June 28.

Tex., Ft. Sam Houston (Sta. San Antonio) —PLANT—Quartermaster Dep., refrigerating and ice making plant, from Sumner-Sollitt Natl. Bank of Commerce Bldg., San Antonio, $9,939 (45 days).

Ariz., Tucson—BUILDINGS—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., July 17, additional at U. S. Veterans Hospital, from General Constr. Co., 1800 East 46th Ave., Denver, Colo., $186,200. Noted June 21.

Wash., Walla Walla—TANK and TOWER —U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., July 17, at U. S. Veterans' Hospital, from Chicago Bridge & Iron Co., 1015 Chestnut St., Phila., Pa., $11,200 (15 days). Noted June 21.

California—BRIDGE—Dpt. Interior Natl. Park Serv., San Francisco, July 12, bridge, culvert on Part 1, Sect. B, Yosemite Natl. Park Hy. System, from Schuler & McDonald, 1723 Webster St., Oakland, $34,999.

California—ROAD—C. H. Sweeteer, dist. engr. U. S. Bureau P. Rds., 461 Market St., San Francisco, grading 4.207 mi. Strawberry-Phillips Sect. Placerville-Lake Tahoe Natl. Forest Hy., Eldorado Co., from H. Lovelace, 5811 Patton St., Oakland, Calif., $137,831. Est. $129,684. Noted June 28.

California—ROAD — U. S. Bureau P. Roads, 461 Market St., San Francisco, grading 5.99 mi. Natl. Lassen Natl. Forest Hy., from Young Bros., Berkeley, $69,802.

Contracts Awarded

N. Y., New York—REPAIRING PIERS —Treas. Dept. at office Supervising Archt., Wash., D. C., at Quarantine Station, to General Constr. & Eng. Co., 40 Rector St., $4,126.

Pa., Carlisle — REMODELING — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to Agostini Bros., 243 Arcade Bldg., Norfolk, Va., $20,585. Noted July 13.

Pa., Phila.—DREDGING—Spec. 5624—Bureau Yards & Docks, Navy Dept., Wash., dredging Navy Yard, to Amer. Dredging Co., Mar. & Mer. Bldg., $100,000. Noted July 5.

Delaware and Maryland—DREDGING—U. S. Engineer Office, Wilmington, Del., Inland Waterway from Delaware River to Chesapeake Bay, (Chesapeake and Delaware Canal), to Atlantic, Gulf & Pacific Co., 18 Park Row, New York, $326,089. Noted May 31.

Ga., Canton — POST OFFICE — Treas. Dept. at office Supervising Archt., Wash. D. C., U. S. Post Office, to A. M. Lundberg, Federal Reserve Bank Bldg., St. Louis, Mo., $49,600. Noted June 21.

Fla., Key West—DREDGING, etc.—U. S. Engineer's Office dredging 8,600 cu.yd. rock from harbor, to Clark Dredging Co., Miami, Fla., $29,240. Noted June 7.

Miss., Vicksburg — TERMINAL — Inland Waterways Corp., Mississippi Warrior Serv., 320 Magazine St., New Orleans, La., reconstructing river and rail terminal, to Hampton Reynolds Maison Blanche Bldg., New Orleans, La. $110,000. Noted June 7.

Ky., Louisville—LOCK GATES—U. S. Engineer Office, span mitering lock gates for Ohio River locks and dam, to Nashville

Federal Government (Continued)

Bridge Co., foot Shelby Ave., **Nashville**, Tenn., $57,670. Noted June 7.

O., Cleveland—HOSPITAL—Treas. Dept. at office Supervising Archt., Wash., D. C., marine hospital, to J. H. Wiese Co., **Omaha**, Neb., $294,970 (420 days).

Ind., Bloomington — REMODELING — Treas. Dept., at office Supervising Archt., Wash., D. C., U. S. Post Office, to D. Bright, Clinton, $18,870. Noted June 28.

Ill., Galena — BOILER HOUSE — Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Post Office and Custom House, to Continental Constr. Co., Fort Dodge, Ia., $5,626. Noted July 12.

Mo., Kansas City—PILING—U. S. Engineer Office, purchasing, to Western States Lumber Co., 1417 R. A. Long Bldg., Kansas City, Mo., $48,579.

Washington — DREDGING—Spec. 5686—Bureau Yards & Docks, Navy Dpt., Wash., D. C., in Puget Sound, to Tacoma Dredge Co., 1113½ St., Tacoma, at $0.97 per cu.yd.

Washington — GATES — Chief Engineer Bureau Reclamation, Denver, Colo., drum gates for Easton Diversion Dam, Kittitas Div. Yakima Project, to Commercial Boiler Wks., Portland, Ore., $14,469. Noted June 7.

Wash., Fort Lewis—ROADS, etc.—Constructing Quartermaster, roads, walks, drainage in barracks area, to R. Keasal, 704 P. S. Bank Bldg., Tacoma, $20,856. Noted June 7.

Wash., Sand Point—GRADING—Spec. 5651—Bureau Yards & Docks, Navy Dpt., Wash., D. C., flying field extension at **Naval** Air Station, to Rowland Constr. Co., P. O. Box 63, Seattle, Wash., $30,000.

Oregon—TELEPHONE LINE — Bureau Reclamation, Denver, Colo., 19.1 mi. 66,000 volt single circuit wood pile transmission lines, to Helt & O'Donnell, Portland, Ore., $12,327. Noted May 10.

Calif., San Rafael—DREDGING—U. S. Engineer Office Customhouse, San Francisco, 173,300 cu.yd. San Rafael Creek, to Dutton Dredging Co., Mills Bldg., San Francisco, $16,563, and to Longview Dredging & Constr. Co., Longview, Wash., $27,150. Noted July 12.

Unclassified

PROPOSED WORK

PIER, etc.—**Barnstable, Mass.**—F. Schaefer, Barnstable, timber pier and marine railway in West Bay, Osterville section. $25,000 or more. Private plans.

CONTROL TOWER—**East Boston** (sta. Boston), **Mass.**—Boston Chapter of American Aeronautical Assn., c/o Densmore, LeClear & Robbins, archts., Park Sq. Bldg., Boston, sketches 4 story, memorial control tower at airport, incl. memorial, administration, control and observation rooms, beacon light on top.

RETAINING WALL, etc.—**Salem, Mass.**—G. W. Pickering Coal Co., Salem, concrete retaining wall, bulkhead, fill solid in South River. $25,000. Private plans.

SWIMMING POOL—**Brooklyn, N. Y.**—Cypress Hills Swimming Pool, Inc., A. L. Beasley, 119-21 190th St., St. Albans, 60 x 200 ft. swimming pool, filter house, Jamaica Ave. and Crescent St. $324,000. Private plans.

COMFORT STATION — **West New Brighton, N. Y.**—J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, rejected bids June 13, comfort station, Bway. and Market St. Noted June 7.

GAS DISTRIBUTION MAINS — **Blytheville, Ark.**—J. H. Hawthorne, Jr., Jonesboro preliminary plans 20 mi. gas distribution mains, artificial gas plant. Private plans.

GRAIN ELEVATOR — **Conlen, Tex.** — Blotz-Hennimen Seed Co. 15,000 bu. grain elevator. Private plans.

GAS SYSTEM—**Boise City, Okla.**—Preliminary plans natural gas system. $30,000. A. Anderson, city clk.

GAS PIPE LINE—**California**—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, extending 29,568 ft. 4 in. high pressure transmission and 22,701 ft. 2 in. high pressure distributing mains to serve Belvedere, Tiburon and Corinthian Island. Private plans.

LIGHTING SYSTEM — **Beverly Hills, Calif.**—Ornamental electrolier lighting system on Gregory Way, Le Doux St. $25,000 or more. J. C. Albers, city engr.

SWITCHING STATION — **Hull, Que.** — Gatineau Power Co. switching station at Val Tetreau. $75,000-$100,000.

COAL DOCKS, etc.—**Michipicoten, Ont.**—Algoma Central & Hudson Bay Ry., R. S. McCormick, ch. engr., Bay and Bruce Sts., Sault Ste. Marie, coal docks, new bridge. $300,000.

PLEASURE RESORT—**Mexico**—Owner, c/o Chamber Commerce, Mercedes, Tex., new town and pleasure resort, incl. athletic club $150,000, bull fighting arena, race track, greyhound track, training stables, near new bridge (now under construction) over Rio Grande River, on Mexican side near Mercedes Tex. Total $500,000.

BIDS DESIRED

SUCTION TANK, etc.—**Norfolk, Mass.**—Aug. 6, by Dpt. P. Health State House, Boston, 100,000 gal. flat bottomed steel suction tank with necessary heating equipment, foundation at Pondville State Hospital, for Commonwealth of Massachusetts.

TANK, etc.—**Rutland, Mass.**—Aug. 6, by Dpt. Pub. Health, State House, Boston, 100,000 gal. flat bottomed steel suction tank, with heating equipment foundation, etc. at Rutland State Sanatorium. Private plans.

PIGGERY—**Central Islip, N. Y.**—Aug. 8, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, piggery at Central Islip State Hospital; adv. E. N.-R. July 26.

REFRIGERATION — **Mount Pleasant, N. Y.**—Aug. 6, at office F. L. Merritt, clk. Bd. Supervs. Westchester Co., White Plains, refrigeration in psychiatric pavilion, Grasslands Hospital. Walker & Gillette, 369 Lexington Ave., New York, archts.; adv. E. N.-R. July 26.

ROOF—**Ray Brook, N. Y.**—July 31, by Superintendent Standards & Purchase, Executive Dpt., Capitol, Albany, new roof over employees dining room and kitchen at State Hospital for Treatment of Incipient Pulmonary Tuberculosis; adv. E. N.-R., July 26.

EXIT FACILITIES — **Sonyea, N. Y.** — Aug. 22, by Commissioner Metal Hygiene, Dpt. Mental Hygiene, Capitol, Albany exit facilities and fire stops at Craig Colony; adv. E. N.-R. July 26.

FRESH AIR CAMP—**Long Beach, N. J.**—Aug. 6 (extended date), by Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, general contract 1 and 2 story, basement, brick, steel, plain found. Ocean and Atlantic Aves., for Salvation Army, 120 West 14th St., New York, $200,000. Noted July 19.

PLUMBING, HEATING, etc. — **North Bergen** (Ind. br. Weehawken), **N. J.**—July 26, by Bd. Educ., Municipal Bldg., plumbing, heating, sodding in Schools 1, 2, 3, 5, 6, 7, 8, and 10, $25,000. R. B. Glenn, town engr.

CAUSEWAY—**Youngstown, O.**—Aug. 30, by F. A. La Belle, secy. Bd. Directors Mahoning Valley, Sanctary Dist., 901 City Bank Bldg., West Austintown Causeway, Contr. 9, W. H. Dittoe, ch. engr.; adv. E.N.-R. July 26.

HEATING SYSTEM—**San Antonio, Tex.**—Aug. 7, by Phelps & DeWees, archts., Gunter Bldg., heating system in school; installing oil burning equipment in 6 schools, for Bd. Educ., Russell Bldg.

LIGHTING SYSTEM — **Los Angeles, Calif.**—Aug. 1, by Bd. P. Wks., ornamental lighting system on Beverly Blvd., between Fairfax Ave. and La Cienega Blvd., incl. 2,000 electroliers. To exceed $25,000.

CONTRACTS AWARDED

BABEBALL CAGE—**Exeter, N. H.**—H. W. Andrews, engr., 15 East 40th St., New York, baseball cage, to Sawyer Constr. Co., 16 Arlington St., Boston, Mass., for Phillips Exeter Academy. Est. $25,000. Noted July 5.

AIRPORT and HANGAR — **Seekonk, Mass.** — Providence Airport Corp., J. K. Fenno, 648 Angel St., Providence, R. I., 1 story, 35 x 125 ft., sheet iron, steel airport and hangar, Fall River Rd., to Macomber Steel Co., 88 Broad St., Boston. Est. $30,000.

CULVERTS — **Meadville, Miss.** — See "Streets and Roads."

CULVERTS — **Mendenhall, Miss.** — See "Streets and Roads."

TRANSMISSION LINE—**Alabama**—Alabama Power Co., 600 North 18th St., Birmingham, 58 mi. line from system at Linden, through Thomasville and Grove Hill to Jackson; distribution system at Grove Hill; 31 mi. transmission line from Tuscaloosa to Reform with 2 mi. branch from Gordon and 17 mi. Reform to Kennedy, to Dixie Constr. Co., 600 North 18th St., Birmingham.

CONCRETE SILOS—**Cleveland, O.**—Great Lakes Portland Cement Co., Marine Trust Bldg., Buffalo, N. Y., 6 concrete silos, 100 ft. high 40 ft., inside dimensions, to Dresser Co., The Arcade. Est. $75,000.

RETAINING WALL—**Cleveland, O.** — Comrs. Cuyahoga Co., grading, retaining wall, 5,823 sq.yd. concrete, River Rd., to R. C. Products Co., Engineers Bldg., $54,143. Est. $55,875.

GRAIN ELEVATOR—**Sioux City, Ia.**—Terminal Grain Corp., 630 Grain Exch. Bldg., 500,000 to 1,250,000 bu. grain elevator addition, rein.-con. to Jones-Hettelsater Con.str. Co., Mutual Bldg., Kansas City, Mo. Est. $100,000. Noted July 19.

Materials

PROPOSED WORK

BELL and SPIGOT PIPE—**Belleville** (br. Newark), **N. J.**—Bd. Town Comrs., Town Hall, rejected bids July 3, 34 tons 6 in. Class C bell and spigot pipe. $5,000. Will probably readvertise. A. S. Blank, town engr. Noted June 26.

BIDS DESIRED

BINDER STONE — **Brooklyn, N. Y.** — Aug. 1, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 6,000 cu.yd. binder stone; 10,000 cu.yd. asphalt sand; 6,500 bbl. portland cement; 4,500 cu.yd. 1½ in. coarse aggregate broken stone or gravel; 6,000 cu.yd. steam cinders.

STEAM ASHES—**Long Island City, N. Y.**—July 30, by B. M. Pattern, pres. Queens Boro, Queens Subway Bldg., 8,000 tons steam ashes in scows alongside dock, at Asphalt Plant 1, Flushing; 10,000 asphalt paving blocks as directed.

PAINT—**New Jersey**—Aug. 13, by State Hy. Comn., Trenton, 7,400 gal. and ready mixed lead, black graphite, tinted graphite and white lead paint. A. L. Grover, ch. engr.; adv. E.N.-R. July 26.

TERRA COTTA PIPE—**Lewiston, Pa.**—Aug. 6, by H. E. Fetterholf, boro secy., 3,980 ft. 5 and 8 in. terra cotta pipe, ninety-five 8 x 5 Ys. and forty 5 in. bends.

ROAD OIL — **Kewanee, Ill.**—Kewanee Twp. Henry Co. in market 10 cars road oil. W. Berg, hy. comr.

ROAD OIL—**Victoria, Ill.**—Copley Twp. Knox Co. in market 3 cars road oil. N. C. Norberg, hy. comr.

CAST IRON WATERMAINS — **Van Alstyne, Tex.**—City taking bids 1,800 ft. 2 in. and 3,700 ft. 4 in. c.i. watermains. Address L. Fife, city clk.

PUMP and MOTOR, etc. — **Drumheller, Alta.**—Aug. 6, by H. A. Brown, secy.-treas., one 1,000 i.g.m. centrifugal pump and motor, 2,000 lin. ft. 6 and 12 in. mains, gate valves, hydrants, special castings, f.o.b. Drumheller.

CONTRACTS AWARDED

SAND CLAMSHELL—**New Orleans, La.**—City Council, City Hall, furnishing sand for next 6 months to Pontchartrain Sand & Shell Co., 2501 Clio St., at $1.15 per cu.yd.; next 6 months' clamshell supply order as needed., to A. G. Thomas, New Orleans, Bank Bldg. $1.43.

STEEL RAILS — **Detroit, Mich.** — Dpt. Street Rys., St. Jean and Shoemaker Aves., 250 tons 140 lb., and 50 tons 150 lb. steel rails, f.o.b. Detroit, to Lorain Steel Co., at $71 and $86 per ton respectively.

Foreign Machinery Requirements

Johannesburg—South African Railways and Harbors want bids for equipment on or before the dates given. Aug. 9: six electrically driven overhead traveling cranes. Aug. 2: one electrically driven concrete mixing plant consisting of self-propelling gantry arranged to carry mixer, side loader for charging it and two skips to carry mixed concrete to the block molds; one stone crusher. Aug. 23: 4,100 rolls of roofing felt.

Melbourne—State Electricity Commission of Victoria wants bids on Oct. 31 for supplying and erecting water tube boilers with auxiliary and accessory equipment. Specifications may be had for £1, 1s., Agent General for Victoria, Victoria House, Melbourne Place, Strand, W. C. 2, London. Bids wanted Aug. 8 by Victorian Railway Commissioners on one hydraulic pump with motor and control apparatus. On Aug. 22, one multiple drilling machine, complete.

Bogota—Aug. 27, Colombian Ministry of Public Works, one 36-ton breakdown and bridge crane and one 7- or 8-ton crane with hammer equipment for meter-gage track. Sept. 3, ten locomotives, type 2-6-2, with side tanks; weight in service 39 metric tons. Sept. 10, one 20-ton electric overhead traveling crane.

See proposed advertising on page 122

UNIT PRICES

Water-Works Improvements—Ada, Okla.

City opened bids Jan. 19 water-works improvements. Involves 11 mi. 24 in. c.i. pipe flow line with working head up to 200 ft. Roofing over and protecting spring requires 76,000 lb. structural steel, 8,400 sq.ft. roofing and 200 cu.yd. conc. Roofing over clear well, 700 cu.yd. rein.-conc., 350 tons pipe; distribution system, 430 tons Class B c.i. pipe and specials, 60 fire hydrants, 20 gate valves. Bidders are: (A) J. Randolph Contracting Co., Jacksonville, Fla., (awarded contract Sections II and IV); (B) Pittsburgh-Des Moines Steel Co., Des Moines, Ia.; (C) G. M. Brown, McAlester, (awarded contract Sections I and III); (D) Standard Paving Co., Tulsa; (E) Whitmire Construction Co., North Kansas City; (F) Spotts & Malcolm, Loveland, Colo.; (G) Floyd Shafner, Springfield, Ill.; (H) Repass Bros., Des Moines; (I) Chanute Construction Co., Kansas City. Unit bids follow:

	A	B	C	D	E	F	G	H	I
SECTION I—SPRING IMPROVEMENTS									
20 cu.yd. earth excav.	$0.80	$1.50	$1.00	$1.00	$3.00	$2.50	$2.50	$1.00	$1.00
70 cu.yd. loose rock excav.	1.00	3.00	2.50	2.00	2.00	5.00	5.00	5.00	2.00
15 cu.yd. solid rock excav.	6.00	5.00	5.50	5.00	2.00	10.00	6.00	7.00	5.00
230 cu.yd. earth borrow	1.00	1.50	.50	.60	.60	.60	.40	.60	.50
Cut-off Walls, Columns, etc.:									
105 cu.yd. conc.	25.00	37.00	19.90	22.00	30.00	36.00	25.00	30.00	25.00
908 sq.ft. steel sheet piling	2.00	1.50	1.40	1.50	1.00	5.00	1.30	4.00	.76
1 sluice gate, 36 in. (lump sum)	450.00	525.00	450.00	600.00	515.00	500.00	475.00	600.00	425.00
Cutting down old wall (lump sum)	100.00	125.00	.....	200.00	60.00	100.00	335.00	75.00	100.00
Valve house (lump sum)	200.00	260.00	124.00	300.00	146.00	230.00	200.00	250.00	150.00
Spring House roof (lump sum)	12,000.00	10,000.00	8,550.00	8,700.00	10,000.00	11,500.00	10,725.00	10,000.00	9,200.00
Levee:									
881 cu.yd. earth borrow	.80	1.50	.50	.40	.70	.50	.40	.50	.40
528 sq.yd. 12 in. stone rip rap	2.00	3.00	1.00	1.75	2.00	4.00	1.90	3.00	1.75
528 sq.yd. 4 in. conc. slope paving	2.25	3.50	1.85	2.25	1.70	2.20	2.00	2.50	1.75
SECTION II—FLOW LINE									
6,225 ft. 20 in. pipe for 100 ft. pressure:									
Cast iron, lead joints	4.80	5.65	.....	5.23	4.87	5.25	5.30	5.53	4.70
Cast iron, leadite joints	4.50	5.50	.....	5.03	4.77	5.15	5.20	5.34	4.60
16 air vent manholes	200.00	150.00	.....	110.00	90.00	150.00	191.00	100.00	85.00
15 blow-off valves	100.00	63.00	.....	45.00	63.00	100.00	135.00	54.00	140.00
3 surge chambers (lump sum)	10,500.00	12,100.00	.....	10,000.00	8,200.00	15,700.00	10,668.00	10,150.00	11,886.00
Cut-over connection (lump sum)	500.00	750.00	.....	850.00	900.00	600.00	650.00	550.00	450.00
145 cu.yd. conc. for pipe protection	20.00	30.00	.....	20.00	20.00	20.00	16.00	30.00	15.00
SECTION III—CLEAR WELL IMPROVEMENTS									
235 lin.ft. 20 in. by-pass line	11.00	.....	.....	9.75	7.48	5.80	8.25	4.20	.....
Setting meter (lump sum)	100.00	225.00	269.00	275.00	.....	300.00	100.00	185.00	170.00
Discharge header:									
Sand cast pipe (lump sum)	1,800.00	2,000.00	2,000.00	2,000.00	2,262.00	1,897.00	.....	.....	1,797.00
Centrifugally cast pipe (lump sum)	1,750.00	1,950.00	1,950.00	1,900.00	2,230.00	.....	2,092.00	900.00	.....
Clear well roof (lump sum)	22,000.00	30,000.00	22,500.00	18,000.00	23,750.00	31,000.00	27,772.50	22,000.00	24,479.00
SECTION IV—DISTRIBUTION SYSTEM									
7,050 ft. 12 in. c. i. pipe:									
Sand cast, lead joints	2.10	2.60	.....	2.45	2.48	2.40	2.50	2.66	2.55
Centrifugally cast, lead joints	2.00	2.35	.....	2.25	2.28	2.25	2.42	2.46	2.45
Sand cast, leadite joints	2.00	2.55	.....	2.38	2.43	2.35	2.45	2.57	2.50
Centrifugally cast, leadite joints	1.90	2.30	.....	2.18	2.23	2.15	2.37	2.37	2.40
3 valves, 12 in.	85.00	100.00	.....	85.00	100.00	95.00	85.00	95.00	84.00
15 hydrants, 6 in.	56.00	60.00	.....	65.00	66.00	75.00	62.00	70.00	61.40
Totals: Section I	$19,358	$19,723	$13,875	$15,121	$16,661	$22,940	$17,478	$20,080	$14,816
Section II	321,482	390,991	.....	338,604	331,549	372,388	353,262	363,120	321,086
Section III	26,435	34,325	26,556	22,466	28,138	34,560	31,903	24,072	28,086
Section IV	25,426	29,645	.....	27,211	27,366	27,583	30,158	29,525	30,571

Engineering News-Record, Issue of July 26, 1928.

An Index of Municipal Bridge Costs

Bancroft Hill of Baltimore described in the *Annalist* of New York, June 29 issue, an index number showing the cost trend of Baltimore city bridges from 1905 to 1927, based on 1925 as 100. W. W. Pagon collaborated with Mr. Bancroft. The index was based on an inventory of bridge property of the United Railways and Electric Company of Baltimore, an adjustment being made to cover the difference between city bridges and street railway bridges. "The index was made," says Mr. Bancroft, "by dividing the base cost of a large number of bridges among the fourteen elements which formed the chief part of their construction. With these costs went the incidentals, contractors' expenses and overhead where they were not generally distributed over all costs. By this method was found the distribution of the average 1925 bridge dollar among the fourteen principal elements. That is, in that dollar were 10c. for tiles in place, with overhead and incidentals; 13.4c. for common labor, and so on for the balance of the elements." This index has stood exactly at 200 since 1923. It has been used to check reproduction costs of bridges where the prices and reproduction estimates were known and the results have shown a remarkable accuracy, according to Mr. Bancroft. The data on which it is based have also been used to check reproduction costs of wharves and piers and results were quite close.

Constr. News page 54

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Gas pipe line, Georgia, Alabama and Tennessee, Corporation, c/o Ohrstrom, Inc., 44 Wall St., New York and others, plan, $36,000,000.

Offices, Wash., D. C., Treas. Dpt., plans, $16,000,000.

Railway, California, Western Pacific R.R. Co., San Francisco, plans, $12,400,000.

Railways, etc., West Virginia, Chesapeake & Ohio R.R. Co., Richmond, plans expending $11,780,000.

Factory, storage, etc., New York, N. Y., rector, church wardens and vestrymen Trinity Church, G. C. Crane in charge, plans, $6,000,000.

Auditorium, St. Louis, Mo., Bd. P. Serv., City Hall, bids in late summer or fall, $5,000,000.

Archives, Wash., D. C., Treas. Dpt., tentative sketches, $5,000,000.

Railway, West Virginia, Chesapeake & Ohio R.R. Co., Richmond, plans, $4,000,000.

Shops, Huntington, W. Va., Chesapeake & Ohio R.R. Co., Richmond, plans, expanding $3,500,000.

Hotel, etc., Oklahoma City, Okla., C. Colcord, c/o architects, plans, $3,000,000.

Sewers, Long Beach, Calif., making surveys, $2,500,000.

Auditorium, New Orleans, La., Comn. Council, plans, $2,000,000.

Theatre, Toronto, Ont., Famous Players Canadian Corp., plans, $1,500,000.

Apartment, Chicago, Ill., East Fiftieth Street Building Corp., c/o architects sketches, $1,500,000.

Waterworks, New Britain, Conn., soon takes bids, $1,250,000.

Theatre, Sioux Falls, S. D., Eighth Street & Phillips Building Corp., plans, $1,000,000.

Hotel, Seattle, Wash., United Hotel Co., plans, $1,000,000.

Institution, Allenhurst, N. J., A. E. Fitkin, 165 Bway., New York, plans, $1,000,000.

Shops, Richmond, W. Va., Chesapeake & Ohio R.R. Co., plans expending $1,000,000.

Plant, etc., Fairfield, Md., Asiatic Petroleum Co., 65 Bway., New York, plans, $1,000,000.

Pulp and paper plant, Richvale, Calif., Pacific Coast Pulp & Paper Co., plans, $1,000,000.

Bids Desired

Hospital, pavillion, etc., Cleveland, O., Aug. 15 by Lakeside Hospital, $5,350,000.

Public Bond Elections, coming and decided, are listed on Construction News page 61.

Sanitarium, Verona, N. J., Aug. 17, by Bd. Freeholders Essex Co., $2,000,000.

Apartment, Radburne, N. J., City Housing Corp., 18 East 48th St., New York, taking sub bids, $1,000,000.

Bids Received

Subway, Long Island City, N. Y., Bd. Transportation, from Triest Contg. Co., 247 Park Ave., New York, $6,881,121.

Subway, New York, N. Y., Bd. Transportation, from D. C. Serber, $3,160,000.

Rock removal, Michigan, U. S. Engineer Office, Detroit, from Great Lakes Dredge & Dock Co., Chicago, $1,227,660.

Contracts Awarded

Dam, Nyassa, Ore., Dpt. Interior, Bureau Reclamation to General Constr. Co., Seattle, Wash., $3,198,779.

College, Garden City, N. Y., Adelphi College, to Amsterdam Building Co., 441 Lexington Ave., New York, est. $1,500,000.

Department Store, Dallas, Tex., Titche-Goettinger Co., to Watson Co., $1,000,000.

Loft, New York, N. Y., R. R. Davis Co., separate contracts, $1,000,000.

Office, Omaha, Neb., Union Pacific R.R. Co., to John Laf & Sons, etc., $1,000,000.

Apartment, New York, N. Y., Southern Gardens, Inc., separate contracts, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Conn., New Britain—Soon takes bids, 3 story, brick, concrete filtration plant, pumping equipment, reservoirs. $1,250,000 appropriated. J. D. Williams, city engr. Noted July 5.

N. J., Livingston—Twp. Comn., Township Hall, mains in Hazelwood Ave., Northfield Sect. $15,000. Freeman & Winston, McIntosch Bldg., West Orange, twp. engrs.

Pa., Pittsburgh—City, 2 steel water storage tanks with foundations, retaining wall, grading, excavation, other appurtenances at Erk Alley and Lappe Lane; alternate suction-intake at Ross Pumping station. C. H. Kline, mayor.

Ark., Sheridan—Sheridan Water Co., c/o K. Davis, preliminary plans 8,000 ft. 6 and 8 in. c.i. mains, 20 fire hydrants. Private plans.

Tex., Dallas—Mayor and City Bd. Comrs. postponed taking bids to have been opened Aug. 10, purification plant, equipment for pumping station. Noted July 19.

Okla., Fletcher—New waterworks. $30,000. A. B. Carson, Madill, engr.

Okla., Picher—Preliminary plans new water supply. $30,000. A. C. Moore, Joplin, Mo., engr.

Okla., Poteau—Preliminary plans extending 20,000 ft. 4 and 6 in. mains. $25,000. J. Page, Poteau, engr.

Okla., Shidler—Preliminary plans new deep well water supply. $30,000. R. Flood, Drumright, engr.

Bids Desired

N. Y., Brooklyn—Aug. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains under Coney Island Broadwalk, Stratton Henderson Walk, Neck Rd., East 16th and East 19th Sts., Stillwell and 19th Aves.

N. Y., Collins—Aug. 27, by Superintendent Standards & Purchase, Albany, driven well, pump and pump house, at Thomas Indian School, Iroquois; adv. E. N.-R. Aug. 2.

N. Y., New York—Aug. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., 36 in. steel mains in Harlem River Terrace, West Fordham Rd., Bailey and Sedgwick Aves.; mains in Grand Concourse, Eames Pl., Beach, Corlear, Fteley, Morgan, Norman, Wallace, Waterbury, White Plains Aves., Bronx Boro.

N. Y., St. George—Aug. 3, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Kieber Court, Hylan Blvd., Highmount and Lindenwood Rds., Florence and Simonson Pls., Barlow, Detroit, Greenwood, Hamilton Aves., Baltimore, Henry, Islington, Jumel, Orlando, Sturges, 2nd and 4th Sts.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Miss., Cleveland—Aug. 7, by City Clerk, 1,430 ft. deep well pump with sand separator, 8 in. casing, 100 ft. 18 in. top flowing to 16 ft. static head above surface of ground 500 g.p.m.

La., Kaplan—Aug. 14, by Mayor and Bd. Alderman, 1 diesel oil engine, 200 B.H.P.; one 500 g.p.m. underwriters fire pump; one 2,200 volt, 60 cycle, 3 phase slip ring motor with starter and rewiring switchboard in light and water plant.

O., Cleveland Heights (Warrensville P. O.)—Aug. 6, by City, mains in Quary Dr., Keystone, Renfield, Elbon and Woodview Rds. To exceed $15,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

Mich., Royal Oak (Ind. br. Detroit)—Aug. 6, by R. B. Fleming, city clk., two 2,500 gal. electric motor driven centrifugal pumping units for Livernois Ave. N and 8 Mile Rd. Booster Station. E. M. Shafter, 221 East 3rd St., engr.

Ill., Niles Center — See "Streets and Roads."

Mo., St. Louis—Aug. 21, by Bd. Pub. Serv., City Hall, 2 story, brick, concrete office building Kingshighway and DeTony St., for Water Dpt., L. Day, comr., City Hall. $65,200.

Tex., Weslaco—Aug. 10, by City, c/o D. E. Kirkan, mayor, 2 story, rein.-con. brick filtration plant. $40,000. W. E. Anderson, San Benito, engr. Noted June 7.

Calif., Gustine—Aug. 13, by W. L. Chappell, city clk., 920 ft. 4 in. Matheson Joint Pipe, tees, ells, etc.

Ont., Blind River—Aug. 7, by M. Dyke, town clk., waterworks and sewerage system, $50,000. F. A. Dallyn, 71 King St., Toronto, engr. Noted Mar. 22.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenue M, Q, T, U, and W, to Paladino Contg. Co., 1479 Park Ave., New York, $22,520. Noted July 12.

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity Municipal Bldg., mains in Avenues P, R, Z, to N. DeStefano, 378 Woodstock Ave., West New Brighton, $19,400. Noted July 12.

N. Y., Long Island City—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York mains in 47th Ave. to Gregory Co., 351 East 124th St. New York, $7,198; 7th, 14th, 90th Aves., to S. Gallucci, 33 Railroad Ave., Corona, $5,100. Noted July 12.

N. Y., Long Island City—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Queens Blvd., to S. Gallucci, 33 Railroad Ave., Corona, $77,300. Noted July 19.

Pa., Mayview—See "Sewers."

Pa., Pittsburgh—General contract fabricated and c.i. mains, to Donatelli & Dona-

See proposal advertising on page 154

Constr. News page 55

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

A satisfied customer for more than 20 years

This one concern has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints. Working pressures exceeding 200 pounds.

The Pennsylvania Water Company, Wilkinsburg, Pennsylvania, has been a satisfied user of Leadite for over 20 years.

It has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints; sizes have varied from 4" to 42" in diameter.

It has working pressures up to and exceeding 200 pounds per square inch.

The Pennsylvania Water Company makes a systematic water waste survey of its system each year which shows the tightness of the mains laid underground.

The Pennsylvania Water Company usually lays its pipe with its own forces, but the 20" line, shown in the accompanying picture, was laid by a contractor and with most excellent results.

This line was tested and the leakage on this line ranged from 1/3 to 1/10 of the allowable leakage as ordinarily specified.

Mr. W. C. Hawley is Chief Engineer and General Superintendent of the Pennsylvania Water Company.

Section of 33,000 feet of 20 in. c. i. bell and spigot water main laid by contractor for the Pennsylvania Water Company. Pressures ranging from 70 pounds to 225 pounds per sq. in.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c.i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . . Land Title Building . . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

bill, 7202 Spencer St., $108,025. Est. $137,000.

Ill., Galesburg—Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, Ill., G. W. Harris, ch. engr., 4 mi. pipeline, spillway, 800 ft. concrete dam, reservoir, 14 bridges, culverts, grubbing, improving 3.5 mi. roads, to Cook-O'Brien Constr. Co., 430 Ry. Exch. Bldg., Kansas City, Mo.

Ill., Summit—For 10 in. mains in South 74th Ave., to G. L. Santry, Summit, $41,-129. Est. $43,100.

Ia., Boone — Waterworks, distribution system, to Iowa Mchy. & Supply Co., 317 Court St., Des Moines, Ia. Noted May 19.

Kan., Barnes—Complete waterworks, to H. Knox, Clyde, $17,788. Noted July 19.

Mo., St. Louis—Bd. P. Serv., City Hall, sludge handling machinery for Howards Bend Waterworks Station, Missouri River, St. Louis Co., to Missouri Eng. & Contg. Co., Merchants Laclede Bldg., $16,500; pneumatic conveyor for coagulant house, to Holly Pneumatic System, Inc., Rialto Bldg., $19,775. Noted May 31.

Tex., Pampa—Drilling water well, 32 in. diam. with 20 in. casing, to D. L. McDonald, Amarillo, $25,000.

Okla., Pearson (Asher P. O.)—Sinclair Oil Co., Sinclair Bldg., Tulsa, will build 36,000 ft. 8 in. water line, steel pipe, to South Canadian River. $50,000. Private plans.

Wash., Seattle—Bd. P. Wks., mains in 51st Ave. N.E., to Tony Jakoboni & Co., 2610 West Dakota St., $36,531.

Calif., Huntington Park—For 4- to 12-in. c.i. mains, fire hydrants, valves, fittings, 342,280 sq.ft. oiled roadway resurfacing, to C. H. Merrill, 527-21st. Pl., Santa Monica, $28,993. Noted June 28.

Sewers

Proposed Work

N. J., Caldwell—Bd. Boro Council, Boro Hall, sketches sewerage system in Arlington, Forest and Westover Aves. $25,000. J. S. Provost, 376 Bloomfield Ave., Boro engr.

N. J., Union—Twp. Comn., Town Hall, sewerage system in Concord Pl., Indiana St., Revere, Perry, Concord and Crescent Aves., $50,000. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

O., Wooster — Replacing old with 6- to 24-in. vitr. clay sewers in Christmas Run Valley. A. H. Wedge, Wooster, engr.

Mich., Escanaba—Sewage disposal plant, incl. tanks, influent and effluent sewers. $75,000. A. Aronson, City Hall, engr. Pearse, Greeley & Hanson, 6 North Michigan Ave., Chicago, Ill. consult. engrs.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—For 1,500 ft. 30- to 42-in. concrete sewer in McMillan Ave. $25,000. F. P. Walter, Grosse Pointe Farms, engr.

Mo., Springfield — Preliminary surveys sanitary sewers. $200,000. Russell & Axon, McDaniel Bldg., Springfield, and 1945 Ry. Exch. Bldg., St. Louis, engrs.

Okla., Frederick—Preliminary plans sewer extensions in Gladstone addition. $30,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Pauls Valley—Preliminary plans sewer extensions in Willow, Ash, Pecan and Hickory Sts. $30,000. H. Harris, Pauls Valley, engr.

Calif., Culver City—Sewerage system in Impvt. Dist. 5. $365,000. Koebig & Koebig, Title & Insurance Bldg., Los Angeles, engrs.

Calif., Long Beach—Surveys storm drain in Molino and Oregon Aves. $2,500,000. A. H. Adams, city engr.

Bids Desired

Mass., Boston—Aug. 6 to 10 (S. according to sections) by Dpt. P. Wks., sewerage works in Dorchester and Boston proper. $25,000 or more. J. H. Sullivan, comr.

N. Y., Brooklyn—Aug. 8, by J. J. Byrne, pres. Brooklyn Boron, Boro Hall, sewers in Linden Blvd., Lenox Rd., Church Ave., East 52nd, Newport and East 93rd Sts.

N. Y., Long Island City—Aug. 7, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Depot Rd., Laurel Hill and Rockaway Blvds., Graham, Columbia, Fairbanks, Yellowstone, Roosevelt, 39th and 114th Aves., Ridge, 57th and 129th Sts.

N. Y., St. George — Aug. 8, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sewer in Olympia, Alter, Finley and Hett Aves.

Pa., Phila.—Aug. 8, by Dpt. P. Wks., Bureau of Engineering & Surveys, branch sewers in Champlost and Cheltenham Aves., Bennington, Lawnsdale, Bingham, Carver, Comly, D, Glenview, Greeby, J, Longshore, M and Tulip Sts.

Md., Hagerstown—City Council taking bids sewers in West Washington St. $30,000. W. Slee, Hagerstown, engr.

Miss., Vicksburg—Aug. 6, by City Council, 20,000 ft. various sized storm and sanitary sewer pipe. Address city engineer.

O., Canton—Bd. Control bids about Oct. 19, sewers in 23rd, 24th, 25th, 26th Woodward, Norwood, Ridgeway, 27th, Trinity, 28th and 30th Sts. $30,000—$35,000. W. E. Sarver, City Hall engr.

O., Cleveland Heights (Warrensville P. O.) —Aug. 6, by City, storm and sanitary sewers in Quarry Dr., Keystone, Renfield, Elbon and Woodview Rds. To exceed $25,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

Ind., Beech Grove—Aug. 6, by Bd. Town Trustees, 10 in. sewer in alley between 15th and 16th Sts.

Ind., East Gary—Aug. 6, by City, Dist. Sewer 1-A, 10 and 30 in. vitr. tile pipe. $35,000. Address City Clerk.

Ind., Rockville—Aug. 6, by Bd. Town Trustees, sewage purification (treatment) plant, $22,100; sanitary sewage system, $81,600. T. Brown, pres.

Ind., Rockville—Aug. 6, by Town Bd., sewers. $43,000. Address City Clerk.

Mich., Detroit—Aug. 8, by Dept. P. Wks., monolithic concrete, vitr. con. sewers in tunnel open cut, Lyndon Ave. Sewer, Sects. 1 and 2, Puritan Ave. Arm, Sects. 1 and 2, Fenkell Ave. Arm Sects. 1, 2 and 3, all east of River Rouge, River Rouge Interceptor Sewer Sects. 5 and 7; Warren Avenue Arm Sewer, west of Southfield Road Sewers; Norfolk Avenue Arm Sewer west of Hubbell Ave. Sewer. P. A. Fellows, City Hall, engr.

Mich., Royal Oak (Ind. br. Detroit)—Aug. 6, by R. B. Fleming, city clk., 2,915 ft. 36 in. vitr., concrete sewer in Combined Sewer Dist. 11; 20,600 sq.ft. sidewalks. Hood, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Niles Center — See "Streets and Roads."

Ia., Creston—Aug. 8, by B. Tallman, city clk., 3,100 ft. 15- to 48-in. vitr. clay, brick, concrete sewers. P. K. Devoe, City Hall, engr. Noted July 19.

Calif., Culver City—P. H. Jarrett, city clk., taking bids 3 mi. Sepulveda Storm Drain, rein.-con. pipe. $245,000.

Calif., Southgate—Taking new bids 6- to 15-in. sewers in Home Gardens Dist. A and 1 4. $519,715. Former bids rejected. E. M. Lynch, Central Bldg., Los Angeles, engr.

Ont., Blind River—See "Waterworks."

Contracts Awarded

Mass., Lakeville—Dpt. P. Health, State House, Boston, sewerage system, disposal plant at Lakeville State Sanatorium, to M. E. Hamlin, 2 Clifton Ave., Salem. $31,155. Noted June 21.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewers to Paulsen Constr. Co., Vesey and Varick Sts., New York, $257,511. Noted Mar. 1.

N. J. Piscataway (mail New Brunswick) —Bd. Comrs., Raritan Twp., Township Hall, 83,114 lin. ft. 8- to 27-in. vitr. sewer, to Pepper Bros., 200 East Florence Ave., Syracuse, N. Y., $180,713. Noted June 21.

Pa., Mayview—City of Pittsburgh, Dpt. P. Welfare, City-County Bldg., Pittsburgh, sewers, watermains, gas lines at City of Pittsburgh Home and Hospital, to J. T. Barr, Princess Ave., Pittsburgh, $26,161.

Pa., Pittsburgh—Repairing West End Sewerage System, to John F. Casey Co., Aspinwall. Est. $25,000.

Md., Baltimore—Bd. Awards, sewers drains in Sewer Dist. J-5, Sanitary Contr. 249, to N. Martell, 4400 Vesta Ave., $58,-730. Noted July 19.

W. Va., Parkersburg—Sanitary sewers in park section, to B. M. Chaplin & Co., Parkersburg, $28,170.

Ala., Sheffield—See "Streets and Roads."

O., Cincinnati—Hamilton Co., constructing Sewer 41, Dist. 4, 50,165 ft. 8- to 24-in. vitr. clay and 55 ft. 48 in. brick pipe, to J. R. Crew, 3810 Regent Ave., Norwood, $131,467. Est. $147,059. Noted July 12.

O., Massillon—For 11,500 ft. 10 to 18 in. vitr. clay pipe, to J. Wietman, Seneca St., N. E. $29,492. Brookfield Trunk Sewer.

O., Warrensville Heights (br. Cleveland) —To Abood & Lewis, 626 Huron Rd., Cleveland, sewers in Gladstone Ave. $10,-907, Kings Highway $13,569, Marvin Ave. $12,361—to Iafornaro & Co., Union Mortgage Bldg., Cleveland, Sunset Ave. $13,593, Ridgeward Ave. $13,738—to Angelo Marra Co., 1479 Green Rd., Cleveland, Preston Ave. $13,339, Sumpter Ave., $12,047. Grand total $89,554.

Ill., Chicago — Bd. Local Impvts., City Hall, brick, tile sewers, brick manholes, catch basins in Perry Ave., West 91st, 92nd and La Salle Sts., to C. Roberts, 6921 Laflin Ave.

Ill., Shabbona—Bd. Local Impvts., 30,599 ft. 6- to 20-in. vitr. clay and 130 ft. 8- to 10-in. c.i. sewers, relaying 4,250 ft. 24 and 30 in. pipe, 75 manholes, 5 lampholes, 3 septic tanks, to R. Correll, Maywood, $32,200. Noted June 7.

Kan., Topeka—E. M. Covell, city clk. sewage disposal plant, to Carrothers Constr. Co., 6803 East 39th St., Kansas City, Mo., $281,859. Noted July 12.

Mont., Missoula—South Side Sanitary Sewerage System, to G. H. Nash & Co., Missoula, $154,884. Noted June 28.

Tex., Houston—Sewer in Leeland Ave. from Scott to Hussion Sts., to C. K. Horton, 2200 Clay St., $34,962. Est. $30,000.

Calif., Los Angeles—Los Angeles Co. Sanitary Dist. 1, vitr. sewers in South Park Ave., to Bebek & Brkich, 425 West 78th St., $38,435.

Waste Disposal

Bids Desired

Calif., Beverly Hills—Aug. 14, by B. J. Firminger, city clk., incinerator. Former bids rejected. Noted July 19.

Contracts Awarded

La., New Orleans—City Council, incinerator buildings for Plants B and C, to J. A. Petty & Sons, Godchaux Bldg., $202,570, for Plant E, to H. W. Bond & Bro., 1025 Copernicus St., $53,109; equipment to C. O. Bartlett & Snow Co., 6200 Harvard Ave., Cleveland, O. $390,000. Grand total $645,-679. Noted June 14.

Bridges

Proposed Work

Tenn., Morristown—State Dept., Hys. & P. Wks., Nashville, reconstructing bridge over Holston River, near here. H. Berry, hy. comr.

Kan., Larned—Pawnee Co., 10 span 45 ft. deck girder bridge on K. 37, Federal Aid Project 281-B. Le Roy Harris, Larned, co. engr.

Kan., Wellington — Sumner Co. preliminary plans one 30 ft. and eleven 50 ft. deck girder span or one 30 ft. and seven 80 ft. span bridge over Arkansas River, on Rd. K-12. J. W. Mavity, Court House, engr.

Mo., Bagnell—National Toll Bridge Co., 37 Wall St., New York, preliminary plans 500 ft. rein.-con., steel bridge with 3,500 ft. trestle approach over Osage River. $250,000. L. J. Sverdrup, c/o owner, ch. engr.

Okla., Duncan—Preliminary plans 4 span 86 ft. rein.-con. bridge over Pecan Creek, on Main St. $27,000. H. S. Sullivan, Lone Wolf, engr.

California—State Hy. Comn., Sacramento, 1 span 150 ft. steel bridge over Truckee River at Boca; 2 span 200 ft. steel bridge over South Yuba River, at Washington. J. F. O'Connor, Nevada City, co. surv.

Calif., Marysville—Yuba Co., bridge over main drainage canal Sutter Basin, at Subaco $8,000—bridge in Sutter Basin, at Kirksille $6,000—bridge over Bear River, at Rio Oso (financed jointly by Yuba and Sutter Counties), $50,000. W. Shearer, Marysville co. surv.

Calif., Marysville—Yuba Co. bridge over Feather River, $110,000; bridge over Teasdale Weir, $135,000. Address County Engineer, Marysville, engr.

Bids Desired

Mass., Boston—Aug. 7, by Dpt. P. Wks., widening concrete, steel bridge, Ashland St. $25,000. Former bids rejected. J. H. Sullivan, comr. Noted July 19.

Pa., McDonald—Comrs. Washington Co., Court House, Washington, taking bids 1 span 44 ft. encased beam and concrete bridge, 23 ft. over Raccoon Creek 10. $25,000. Cheney Eng. Co., Washington, engr.

Pa., Phila.—Aug. 10, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., bridges, Constr. 62—1928.

North Carolina—Aug. 7, by State Hy. Comn., Raleigh, rein.-con., bridge, culverts on Project 1642, Nash Co., $34,800—Project 600, Alexander Co., $29,500—Project

Constr. News page 56

And the Question Remains "WHERE SHALL WE PUT THEM?"

OF the twenty-nine million automobiles in use in the world, 80%—or about twenty-three million—are in the United States. In other words, this country has four times as many motor vehicles as all other countries combined.

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Wide roads and streets really cost nothing; records prove that the increased land values which they create more than pay for them. Yet they benefit everyone. They serve the owners of passenger and commercial cars by making travel safer, smoother and swifter and so reducing wear and tear of tires and machines and the consumption of gasoline and oil. They build good-will for the public official. They bring people into the open, encourage the sale of real estate and merchandise and thus stimulate business and the circulation of money that spells prosperity for the entire country.

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Bridges (Continued)

889. Stanly Co., $58,000—Project 6320, Gaston Co., $41,000. L. R. Ames, Raleigh, engr.

Ala., Mobile—Aug. 20, by Bd. Revenue Mobile Co., bridge over Three Mile Creek, on Telegraph Rd.

Ind., Auburn—Aug. 7, by comrs. DeKalb Co., constructing Bridges 23 to 35 (inclusive). E. Dawson, aud.

Ind., Bluffton—Comrs. Wells Co. taking bids new bridges. $25,000. P. Scott, Bluffton, co. aud.

Ind., Frankfort—Aug. 6, by Bd. Comrs. Clinton Co., repairing Whiteman, Mundell, Wright and Powers Bridges. $27,000. B. D. Ogle, Frankfort, aud.

Ind., Petersburg—Aug. 7, by Bd. Comrs. Pike Co., new bridges. $28,339. T. J. Wiggs, Petersburg, aud.

Ind., Vernon—Aug. 6, by Comrs. Jennings Co., repairing Sand Creek Bridge. $201,-921. W. N. Gannon, North Vernon, co. aud.

Wisconsin—See "Streets and Roads."

Iowa—Aug. 7, by State Hy. Comn., Ames, 50 x 20 ft. and 60 x 20 ft. pony truss, 24 x 24 ft. deck girder, 32 x 24 ft. I-Beam bridges and 30 culverts, on Road 11, B-548, Buchanan Co.—two 65 x 24 ft. plate girder bridges with 5 ft. walk, Road 7, F.A.B. 51, Guthrie Co.—two 43 x 24 ft. I-beam spans and one 44 x 24 ft. I-beam spans, U. S. Road 34, B-151, Henry Co.—42 x 24 ft. I-beam bridge with two 32 x 24 ft., and two 24 x 24 ft. concrete deck girder approaches, U. S. Road 34, B-550, Lucas Co.—32 x 24 ft. deck girder with 45 culverts, U. S. Road 63, Mahaska Co.—80 x 20 ft. pony truss bridge U. S. Road 34, B-575, Montgomery Co.—75 x 20 ft. plate girder bridge with four 40 x 20 ft. concrete deck girder approaches, Road 27, B-39, Plymouth Co.—90 x 20 ft. pony truss bridge with two 40 ft. I-beam approaches, Road 2, F.A.B. 71, Washington Co.—40 x 24 ft. I-beam bridge, 13 culverts, U. S. Road 65, B-161, Worth Co.—raising one 103 ft. and one 123 x 16 ft. high truss bridge, U. S. Road 69, B-588, Decatur Co.—7 culverts, Road 59, B-103, Howard Co. R. F. White, hy. comr.

Kan., Eldorado—Aug. 15, by Clerk Butler Co., bridges, Project 96-25-K655.

S. D., Stamford—Aug. 10, at office State Hy. Comn., Pierre, repairing White River Bridge, south of here, Jones Co. O. N. Netle, hy. engr.

Mo., Independence — Centennial Bridge Co., Independence, bids about Sept. 1, 2,000 ft. rein.-con., steel bridge at Liberty Landing, on Missouri River. $950,000. J. G. White Eng. Corp., 43 Exchange Pl., New York, engrs.

Contracts Awarded

Vermont—State Hy. Dpt., Montpelier, bridge on Project 5B—F, R. Windsor Co., to Guild & Douglas, Springfield, $30,892. Noted May 31.

Pa., Phila.—See "Streets and Roads."

Pa., Pittsburgh—Comrs. Allegheny Co., 4 granite pylons on 31st St. Bridge to S. M. Siesel Co., Forbes Bldg., $48,800. Est. $50,-000. Noted Feb. 9.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete slab bridge, approaches Mahoning Co., to V. Olsen Co., Youngstown, $22,320—concrete bridge, building approaches in Pike Co., to O. M. Junk, Chillicothe, $7,777—concrete slab bridge, Wyandot Co., to Delaware Contr. Co., Delaware, $1,823—retaining wall Jefferson Co., to Iliff & Prugh, Cedarville, $13,481. Grand total $45,401. Noted July 12.

O., Youngstown—Bridge over Mahoning River, on West Ave., to Pittsburgh-Des Moines Steel Co., 429 Penna. Ave., Pittsburgh, Pa., $28,693. Est. $30,000.

Michigan—H. C. Fleming, resident engr., Grand Rapids, F. A. Bridge 41-17-1, C-1 and 2, 410 ft. steel deck cantilever type, Kent Co., for State Hy. Dpt., Lansing, Contr. 1, to Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis. $38,491; Contr. 2, to Peninsular Constr. Co., Grand Rapids, $118,004. Noted June 14.

Illinois—State Dept. P. Wks. & Buildings, Div. Hys. Springfield, to Powers-Thompson Constr. Co., 221 South Chicago St., Joliet, bridges in DuPage Co. $22,632; Will Co. $16,490—to Iowa Bridge Co., Eastern Blvd. and 19th St., Des Moines, Ia., Kane Co. $18,558—to Vincennes Bridge Co., Vincennes, Ind., Schuyler Co., $5,909; Iroquois Co. $11,494; Tazewell Co. $295,225; Monroe Co. $5,984—to D. A. Chernus Constr. Co., McKnight Bldg., Minneapolis, Minn., Iroquois Co. $18,888—to Dees Bros., Oblong, Schuyler Co. $46,932—to W. H. Shons, Freeport, Saline Co. $14,-349—to A. C. Woods & Co., Rockford, Saline Co. $5,955—to Ferguson Constr. Co., 218 East State St., Rockford, Pope Co. $37,-802—to Condon & Cunningham, Omaha, Neb., Hancock Co., $23,625—to Federal Bridge Co., 1001 Bankers Trust Bldg., Des Moines, Ia., Hancock Co. $20,495; Livingston Co. $31,969; Rock Island Co. $23,175—to Henkel Constr. Co., 628 M. E. A. Bldg., Mason City, Ia., Woodford and Livingston Counties, $7,744—to Snyder & Johnson, Humboldt, Ia., Putnam Co. $36,567—to Wicks Eng. & Constr. Co., Des Moines, Will Co. $44,798—to Watt Constr. Co., Winchester, Pike Co. $45,000—to Steel Bridge Co., Jacksonville, Pike Co. $10,355—to Congress Constr. Co., Chicago, Tazewell Co. $194,497. Grand total $1,036,901. Noted Mar. 29, Apr. 26 and May 30.

Ill., Chicago—Cook Co. Hy. Dept., 139 North Clark St., Plum Grove Bridge approaches, to Davidson & Doctor Co., Orland, $42,631—Little Calumet River Bridge, to Joliet Bridge & Constr. Co., Joliet, $61,424—bridge over Des Plaines River, on 26th St., to Mohawk Eng. & Constr. Co., 321 West 35th St., $84,596. Grand total $188,652.

Ill., Galesburg—See "Waterworks."

Okla., Holdenville—Suspension bridge, to Austin Bridge Co., 1813 Clarence St., Dallas, Tex., $40,660. Est. $50,000.

Washington—State Hy. Comn., Olympia—150 ft. steel through truss and two 41 ft. concrete T-beam span bridge over CleElum River, Kittitas Co., to R. A. Geary, 22 Sloan Bldg., Yakima, $30,879; two 70 ft. steel plate girder span bridge over railroad tracks, State Rd. 1, Nisqually and Pierce Counties, to W. T. Butler, 527 Central Bldg., Seattle, $64,726. Noted June 21.

California—State Hy. Comn., Sacramento, 2 rein.-con., girder bridges over Southern Pacific Ry. near Bowman, Placer Co., to Butte Constr. Co., San Francisco, $32,351—under-grade crossing, paving approaches Inter-California R.R., at Araz Junction, Imperial Co., to L. Worel, Alhambra, $29,-805. Noted July 5.

Calif., Oroville—Western Pacific R.R. Co., Mills Bldg., San Francisco, 2 rein.-con. bridges, on Huntoon and Lincoln Sts., to Utah Constr. Co., Phelan Bldg., San Francisco, $25,000.

Calif., San Diego—C. Buckman, clk. San Diego Co., bridge over Sweetwater River, at Jamacha, to R. T. Dawson, 4333 Maryland St., $60,094. Noted July 12.

Dams

Bids Desired

O., Owensville—Aug. 15, by Ash & Downing, engrs., 824 Lima Trust Bldg., Lima, dam repairs, at office, additions 1½ mi. northeast of here, Clermont Co., for W. S. Hoffman, Lima.

Contracts Awarded

Ill., Galesburg—See "Waterworks."

Railways

Proposed Work

West Virginia—Chesapeake & Ohio R.R. Co., Richmond, Va., C. W. Johns, ch. engr. and New York Central R.R. Co., 466 Lexington Ave., New York, F. B. Freeman, ch. engr., applied to Interstate Commerce Comn. for permit to build 28 mi. single track railroad from Swiss to Nallen. $4,000,000.

West Virginia—Chesapeake & Ohio Ry. Co., Richmond, Va., C. W. Johns, ch. engr., expending $9,500,000, main line tracks near Huntington; $1,000,000, track improvements and shops at Clifton Forge, Va.; $1,260,000, improving shops and tracks at Hinton.

Mississippi — Canton & Carthage R.R Co., T. Brady, Jr., genl. council Brookhaven, made application to purchase, obtain and operate 11 mi. railroad of Pearl River Valley Lumber Co. and construct 22 mi. railroad from Canton to Carthage.

Missouri—Missouri Southern R.R. Co., H. A. Radtke, genl. mgr., Leeper, constructing standard guage branch line between point near Bunker, Mo. and point on Current River.

California—Western Pacific R.R. Co., J. W. Williams, ch. engr., Mills Bldg., San Francisco, 25 mi. railroad extension from San Francisco Terminal to Redwood City $3,700,000; ultimately this line will be extended to Niles (Alameda Co.) to connect with main line; 138 mi. extension from Nilegarden in main line, 11 mi. southwest of Stockton to Kings River via Fresno $8,500,000; 3½ mi. branch line from Brack east, near Stockton $200,000. Private plans.

Contracts Awarded

South Dakota and Nebraska—Yankton & Southern R.R. Co., H. A. Doyle, atty., Yankton, 65 mi. railroad line from Yankton, S. D. to Norfolk, Neb., to Fidelity Constr. Co., 1629 North Sydenham St., Phila., Pa.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ia., Leon—Drainage Dist. 4.1 mi. open ditches, incl. 340,000 cu.yd. excav. $55,000. M. G. Hall, Centerville, consult. engr.

Minn., Minneapolis—See "Unclassified."

Ark., Osceola—Sun-Dist. 1 of Dist. 11, Mississippi Co. c/o R. E. Lee, Wilson Jr., preliminary plans 30,000 acres drainage system. $30,000. Morgan Eng. Co., Goodwyn Institute Bldg., Memphis, Tenn., engrs.

Tex., Edinburg—Mertanizz Land & Irrigation Co., c/o S. S. Smith, 225 Yale St., San Antonio, irrigating 7,000 acres north of Donna Dist. using flood waters from Rio Grande River. $150,000 or more. A. Tamm, Harlingen, engr.

Okla., Muskogee — Dirty Creek D.D. 15, Muskogee Co., 10 mi. ditch work, incl. 600,-000 cu.yd. excav. $75,000. T. P. Clonts, Metropolitan Bldg., engr.

Bids Desired

Massachusetts—Aug. 7, by Dpt. P. Wks., State House, Boston, dredging 24,000 cu.yd. at Cohasset and Scituate. W. F. Williams, comr.

O., Cincinnati—Aug. 27, at office C. O. Sherrill, city mgr., levee, necessary appurtenances at Municipal Airport, extending along Little Miami River from Beechmont Ave., to P.C.C. & St. L. R.R.; adv. E. N.-R. Aug. 2.

Illinois—Aug. 22, at office Dpt. Purchases & Constr., Div. Waterways, Springfield, work on Brandon and Dresden Island Pools, Contr. 3, 5 and 6. L. D. Cornish, ch. engr.; adv. E. N.-R. Aug. 2.

Calif., Westley—Aug. 11, by E. Smith, secy. West Stanislaus Irrigation Dist., finishing to neat lines 300,000 sq.ft. canal excav. for concrete lining.

Contracts Awarded

Mass., Charlestown (sta. Boston)—U. S. Gypsum Co., S. L. Avery, pres., 300 West Adams St., Chicago, Ill., excavation for 10 buildings, manufacturing plant, at Mystic Docks, to J. H. White Contrg. Co., 56 Ellery St., Cambridge. Est. $25,000 or more. Noted May 3 under "Buildings Industrial."

Pa., Phila.—Dpt. Wharves, Docks & Ferries, Municipal Pier 3, South Wharves, R. Weglein, dir., Schulkill River Bulkheads, Schedule C and D, to J. E. Brenneman Co., North American Bldg., $248,206 and $299,-419 respectively. Noted July 12 under "Unclassified."

Illinois — Clayton-Bennington D. D., Woodford and Marshall Counties, c/o W. Meierhofer, Minonk, 540,000 cu.yd. excav. in main and lateral ditches, to W. F. Sternberg Co., Piper City, $13,712. Noted July 5.

Ill., Lincoln—Lower Salt Creek D. D., dredging 16 mi. Lower Creek, 60 ft. wide at top, 40 ft. wide at bottom, 20 ft. beams, to F. M. Crane Constr. Co., 210 South 24th St., 2 bridges, to E. H. Reibe, Lincoln. Total $166,971.

Calif., Long Beach—Seawall along Bluff Park, to Torson Constr. Co., 1290 West Anaheim St., $47,000.

Calif., Westley—E. Smith, secy. West Stanislaus Irrigation Dist. pumps and motors to Pelton Water Wheel Co., 2929 19th St., San Francisco, $79,278—transformers, to General Electric Co., Rialto Bldg., San Francisco, $24,887—installing pumps, motors and control, also transformers to Butte Electric Equipment Co., 530 Folsom St., San Francisco, $17,088 and $4,055 respectively. Grand total $125,308. Noted June 14.

Calif., Westley—West Stanislaus Irrigation Dist., 68 mi. lateral canals, to Snowden, 2105 East 25th St., Los Angeles, $63,356.

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"OK" Say Cities in OKLAHOMA

That Have Built Sewers of This Permanent, Low-Cost Pipe

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Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., State House, Boston, rejected bids July 3, rein.-con. paving 1,160 ft. hy. in Norwood. Will readvertise. W. F. Williams, comr. Noted June 28.

Massachusetts — Dpt. P. Wks., State House, Boston, soon takes new bids rein.-con. paving 4,108 ft. hy. in Malden and Medford. Former contract rescinded. W. F. Williams, comr. Noted July 26.

Mass., Waltham (Ind. br. **Boston**)—Soon takes bids concrete paving 4,500 ft. Main St. H. F. Beal, mayor.

N. J., Bergenfield—Bd. Boro Council, Boro Hall, grading, 2 in. Topeka on 6 in. concrete paving Beverly and Berwin Places. $25,000. D. C. Boswell, 128 North Washington Ave., boro engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, setting curbing sheet asphalt on 6 in. concrete paving Trotters Lane and Parker Rd. $25,000. T. Collins, City Hall, engr.

N. J., Fair Lawn—Bd. Boro Council, School House, bituminous macadam paving Henderson Blvd. and Highview Ave. $25,-000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engr.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete, or 7 in. rein.-con. paving Arthur and Center Sts. $27,165. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., Hillside (br. Elizabeth) — Twp. Comn., Municipal Bldg., curbing, sheet asphalt on 6 in. concrete or 7 in. rein.-con. paving Munn Ave. $41,590. C. Luster, 286 North Broad St., Elizabeth, top. engr.

N. J., Orange—Essex Co. Park Comn., 810 Broad St., Newark, sheet asphalt on concrete paving Cherry Lane. $55,000. Private plans.

N. J., Ridgefield Park—Bd. Boro Comrs., Municipal Bldg., rejected bids, July 24, concrete paving Brewster Ave. $25,000. Will readvertise. D. C. Boswell, 6 Mt. Vernon Ave., boro engr.

N. J., Roselle (Ind. br. Elizabeth)—Bd. Freeholders Union Co., Court House, Elizabeth, curbing, 8 in. rein.-con. paving 1.705 mi. South Ave. $50,000. J. L. Bauer, Court House, Elizabeth, c/o engr. Noted June 7.

N. J., Roselle Park (Ind. br. Elizabeth) —Boro Council, paving 2 mi. Westfield Ave. J. W. Higgins, Roselle Park, engr.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., grading, curbing, 6 in. single line concrete paving Roosevelt St. and Chestnut Pl. $29,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr.

N. J., Tenafly—Bd. Boro Council, Boro Hall, grading, concrete paving Gordon Ave. $25,000. W. G. Clark, 9 Hillside Ave., boro engr.

Ala., Birmingham—Paving 5,000 ft. 27th Ave. N., and 77th St. $121,100. A. J. Hawkins, city engr.

Miss., New Albany—Union Co. preliminary plans grading, graveling 100 mi. roads. $400,000.

La., New Orleans—Grading, brick, concrete or asphalt paving Claiborne Ave., Cambronne, Calhoun, Burdette, Bienville and Bway. Sts. $490,000.

O., Columbus—Franklin Co., F. R. Donnally, clk., grading, waterbound macadam paving 0.21 mi. Charles Ave. 2, 16 ft., Sharon Twp., $6,296—3.057 mi. David Taylor Rd. 3, 16 ft., Jefferson Twp., $60,-238—bituminous macadam paving 0.154 mi. Northwest Blvd., 24 ft., Clinton Twp., $6,959. C. C. Lattimer, c/o surv.

O., Columbus—W. H. Duffy, dir. Serv., cancelled bids to have been opened July 10, grading, brick or asphalt paving Arcadia Ave. and Mansfield St.

Ind., Anderson — Madison Co., concrete paving 1¼ mi. Golf Club Rd., 20 ft. $46,000. A. B. Steele, Anderson, engr.

Mich., Escanaba—Concrete curbing, one course concrete paving 16,985 sq.ft. 4th, 6th, 8th and 13th Sts. $50,000. A. Aronson, City Hall, engr.

Ill., Venice—Soon takes bids grading, curbing, concrete paving 1 mi. 4th St. $25,000.

Ia., Davenport—City, c/o F. A. Hass, city clk., 6 in. concrete paving alley $720—2 in. sheet asphalt or asphaltic concrete on old base paving Jersey Ridge Rd., $49,-343—Fair Ave. $8,369—Pleasant St., $3,066—8 in. rein.con. paving Hillcrest Ave. $5,-418—Lincoln Ave. $19,695—7 in. concrete paving Spring St. $3,667.

Kan., Eldorado—Butler Co. soon takes bids grading, bridging 5.433 mi. Federal Aid Project 239-C, 30 ft. E. S. Elcock, Court House, engr.

Kan., Hutchinson—Reno Co. soon takes bids grading, concrete paving 3.848 and 3.467 mi. Federal Aid Project 399, B and C, 18 ft. W. A. Stacey, Court House, engr.

Kan., Independence — Montgomery Co., grading, culverts 6.312 mi. K 166, Federal Aid Project 285-C, 30 ft. J. E. Courtright, Independence, co. engr.

Mo., Higginsville — Preliminary plans grading, curbing, concrete paving 8 blocks Bob St. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Ark., Arkadelphia — Preliminary plans grading, guttering, concrete, asphalt, asphaltic concrete or brick paving 30 blocks Paving Dist. 5. F. A. Gerig, Arkadelphia, engr.

Ark., Conway—Concrete paving. Address Bd. Aldermen.

Ark., Siloam Springs—Preliminary plans grading, curbing, hard-surfacing 8 blocks Paving Dist. 6 (North Maxwell, Madison and intersecting Sts.) $35,000.

Ark., Wynne—Preliminary plans grading, curbing, concrete, asphalt, asphaltic concrete or brick paving 5 mi. Paving Dist 2.

Tex., Anahuac — Chambers Co., grading, bridging 19.065 mi. Hy. 125 from Jefferson Co. line to Hy. 61. $110,000. E. L. Scherer, Anahuac, engr.

Tex., Brownsville—Southwest Development Corp., c/o D. W. Royhensles, genl. mgr., Goshen, N. Y., grading, dredging, constructing dam, bridging 6 mi. road, Grove Park, near here. A. E. Anderson, Brownsville, engr.

Tex., Houston—Harris Co. crushed rock surfacing 87,506 sq.yd. Sect. 2 Westheimer Rd. $75,000. A. J. Wise, Houston, engr.

Tex., Houston — Constructing Lockwood St. from Navigation to Clinton Sts. $200,-000. J. C. McVey, city engr.

Tex., Palestine — Anderson Co., grading, bridging 8.448 mi. Hy. 43, Federal Aid Project 453-E, Unit 1, 26 ft. $54,200. C. H. Kendall, Palestine, resident engr.

Tex., Waxahachie—Ellis Co., grading, bridging 4.077 mi. Waxahachie-Hillsboro Rd. $27,000, 8.281 mi. F.A.P. 487E $45,000, both on Hy. 6. W. A. Spalding, Waxahachie, co. engr.

Okla., Altus—Grading, concrete paving 7,100 sq.yd. Hudson St. $28,460. J. C. Shisum, Altus, engr.

Okla., Duke—Grading, concrete paving 10,200 sq.yd. Bway. and Main Sts. $40,-880. H. S. Sullivan, Lone Wolf, engr.

Okla., Duncan—Grading, concrete paving 7,400 sq.yd. West Main St. $27,600. H. S. Sullivan, Lone Wolfe, engr.

Okla., Norman—Grading, concrete paving 11,000 sq.yd. Southridge addition. $31,660. F. Cobb, Norman, engr.

Okla., Oklahoma City—Rejected bids grading, paving 5 blocks Kate St., 36 ft. $28,462. W. W. Small, City Hall, engr. Noted Mar. 22.

Okla., Shattuck—Grading, concrete paving 8,100 sq.yd. Araphoe and 1st Sts. $26,-000. Engineer not selected.

Okla., Tahlequah—Grading, concrete paving 8,800 sq.yd. Dist. 5. $26,118. T. P. Clouts, Muskogee, engr.

Okla., Tipton—Grading, concrete paving 8,500 sq.yd. West Main St. $26,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Hanford—Kings Co., grading, paving vicinity Lemoore High School, 163 tons asphaltic concrete. R. May, Hanford, co. surv.

Calif., Hillsborough (mail Redwood City) —Paving. $50,000. G. A. Kneese, Court House, Redwood City, engr.

Calif., Inglewood — Grading, curbing, walks, guttering, macadam paving 28,344 sq.ft., 6 in. concrete paving 38,745 sq.ft. Stella and Augusta Aves. W. Pfeffer, city engr.

Calif., Merced—Merced Co., asphaltic concrete or asphaltic macadam paving La Grand Rd. Sect. 1. $50,000. W. E. Bedesen, Shafer Bldg., engr.

Calif., San Diego—Common Council, grading, curbing, sidewalks, 6 in. concrete paving 202,692 sq.ft. College and other streets. H. W. Jorgensen, city engr.

Calif., Ukiah—Curbing, guttering, 1½ in. warrenite on 2½ in. asphalt paving 762,309 sq.ft. R. E. Donohoe, city engr.

Ont., Hanover — Concrete paving, new sewerage system. $100,000. Ontario Eng. Co., Port Colborne, engrs.

Ont., Pembroke—Dpt. Northern Development, Province of Ontario, soon takes bids graveling 15 mi. Pembroke—Mattawa Rd. $75,000—$100,000. C. H. Fullerton, Parliament Bldgs., Toronto, ch. engr.

Ont., Toronto—Extending ¼ mi. Mount Pleasant Rd., incl. grading, sidewalks, 66 ft. $30,000. R. C. Harris, City Hall, engr.

Bids Desired

Massachusetts—Aug. 7, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 17,925 ft. hy. in Richmond and West Stockbridge—5,126 ft. Methuen—3,175 ft. Georgetown—9,785 ft. Ayer—6,705 ft. Holden—13,375 ft. Abington and Whitman—gravel and bituminous macadam paving 3,131 ft. Royalston—bituminous macadam or rein.-con. paving 7,500 ft. Lowell—bituminous concrete paving 900 ft. Barnstable—rein.-con. paving 4,108 ft. Malden and Medford. W. F. Williams, comr.

Mass., Boston—Aug. 7 by Dpt. P. Wks., sheet asphalt or bitulithic paving Parker St., Ward 10. $25,000. J. H. Sullivan, comr.

Mass., Brookline (br. Boston)—Aug. 6, by Bd. Selectmen, Town Hall, sheet asphalt paving Brookline Ave.; grading Acron Rd. $25,000 or more.

Mass., New Bedford—Aug. 7, by Street Dpt., W. P. Hammersley, supt., bituminous concrete paving 22,487 sq.yd.

N. Y., Brooklyn—Aug. 7, by Park Bd., W. R. Herrick, pres. Dpt. Parks, Arsenal Bldg., Central Park, New York, repaving roadway and sidewalk area Bushwick Parkway between Myrtle Ave and Pilling Sts.; sheet asphalt repaving outside railroad area south side Park Circle.

N. Y., Brooklyn—Aug. 8, by J. J. Byrne, pres., Brooklyn Boro, Boro Hall, curbing, flagging East 95th St.—grading Sea View Ave.—grading, curbing, sheet asphalt on concrete repaving Linden Blvd., East 36th St., Throop, Remsen and Marcy Aves.

N. Y., New York—Aug. 6, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete paving East 168th and Hawkstone Sts., Whitlock, Manor and Hull Aves.

N. Y., New York—Aug. 9, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, granite block on concrete paving 9th Ave., Pine and Walker Sts.; sheet asphalt on concrete paving Madison and Park Aves., 204th, 205th and 206th Sts.; concrete sidewalks, 6 in. granite curbing Greenwich Ave.

N. Y., Syracuse—Aug. 6, by Contr & Supply, City Hall, grading, sidewalks on 66,580 sq.ft Sunnycrest Rd., Erie Blvd., North Midler and Warham Sts., Spauling and Hickock Aves.; grading 10,390 cu.yd. Willumae Dr., Cadillac St., Brighton Ave. and Meacham School Grounds. N. F. Pitts, Jr., State Tower Bldg., engr.

New Jersey — Aug. 20, by State Hy. Comn., Trenton, grading, recut granite block surfacing 6,344 sq.yd. Route 9, Sect. 11A, Dunellen Boro; grading, bituminous concrete on macadam paving 5,277 sq.yd. Route 25 (1927) Sect. 5, Raritan River Bridge to Amboy Ave., both Middlesex Co. A. L. Grover, ch. clk., adv. E. N.-R. Aug. 2.

N. J., Hackensack—Aug. 6, by Hackensack Impvt. Comn., Municipal Bldg., grading, bituminous macadam Marvin Ave. $65,000. F. Campbell, 167 Main St., city engr

N. J., Hackensack—Aug. 6, by Hackensack Impvt. Comn., Municipal Bldg., grading, curbing, guttering, sidewalks, 6 in. penetration macadam paving Standish Ave. $90,000. F. Campbell, city engr. Noted May 10.

N. J., Hammonton—Aug. 13, by W. R. Seely, town clk., Town Hall, curbing, sidewalks. J. A. Baker, town engr.; adv. E. N.-R. Aug. 2.

N. J., Newark—Aug. 7, by Bd. Freeholders Essex Co., Hall of Records, grading, curbing, 8 in. concrete paving Vaux Hall Rd. and Springfield Ave. $25,000. W. H. Stickel, Hall of Records Bldg., c/o. egr.

N. J., New Brunswick—Aug. 7, by Bd. Freeholders Middlesex Co., sheet asphalt or asphalt block on concrete paving Brookside Ave., Delevan, Ward, Loretto and Rutgers Sts. $75,000. A. Atkinson, New Brunswick, co. engr.

N. J., Plainfield — Aug. 6, by Common Council, City Hall, resetting curbs, guttering, sidewalks, 7 in. bituminous macadam paving Elizabeth St., Stella, Pemberton, Kenyon, Central and Stillman Aves. $50,000. A. Vars, city engr.

N. J., Union—Aug. 6, by Twp. Comn., Town Hall, grading, curbing, 6 in. rein.-con. paving Balmoral Ave., Ernst and Long Terraces. $35,000. H. Kreh, Falls Bldg., engr. Noted May 31.

Pa., Forest Hills (mail Phila.)—Aug. 8, by E. S. Small, boro secy., grading, curbing, rein.-con. paving 2,100 sq.yd. Atlantic Ave. $25,000. J. B. Fraase, 510-11 Shields Bldg., Wilkensburg, engr.

Pa., Pittsburgh—Aug. 5, by City Controller, City-County Bldg., repaving Francis St. between Center St. and Wylie Ave. $25,-000—grading, curbing, paving Liedertafel St. between Haarlander St. and city line. $27,600—Schenley Ave. between North Mathilda and Mossfield Sts. $58,000.

Pa., Pittsburgh — City Controller, City-County Bldg., bids about Aug. 5, grading, curbing, paving Irvine St. between Greenfield St. and Hazelwood Ave.; elimination grade crossing at 2nd Ave. $280,000.

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Streets and Roads (Continued)

Md., Baltimore—Aug. 8, by Bd. Awards, sheet asphalt paving 9,550 sq.yd. Contr. 476, N. L. Smith, Municipal Office Bldg., hys. engr.

Md., Baltimore—Aug. 8, by Bd. Awards, concrete paving 11,850 sq.yd. Contr. 475, N. L. Smith, Municipal Office Bldg., hys. engr.

North Carolina — Aug. 7, by State Hy. Comn., Raleigh, grading, concrete or asphaltic concrete paving 6.8 mi. Project 7381, Forsyth Co., $155,780—5.29 mi. Project 6521, Mecklenburg Co., $135,200—9.12 mi. Project 1061, Bertie Co., $176,700—7.96 mi. Project 1470, Bertie and Hertford Counties, $139,-313—9.34 mi. Project 2071, Craven Co., $203,590—18.26 mi. Project 225, Duplin Co., $271,400—10 mi. Project 3090, Bladen Co., $153,310—13.57 Project 359, New Hanover Co., $217,000—6.1 mi. Project 3370, Cumberland Co., $82,830—3.05 mi. Project 5030, Alamance Co., $69,562—4.29 mi. Project 5410, Guilford Co., $73,399—8.41 mi. Project 6230 Catawba Co., $182,680—8.71 mi. Project 6352, Gaston Co., $217,300—grading, top-soiling 10.24 mi. Project 689 Stanley Co., $62,400—6.67 mi. Project 6000, Alexander Co., $48,000—8.7 mi. Project 5530, Montgomery Co., $30,810—6.41 mi. Project 5830, Randolph Co., $41,700—4.96 mi. Project 4542, Orange Co., $31,000—6.15 mi. Project 451, Lee Co., $36,800—grading 17.81 mi. Project 1900, Tyrrell Co., $138,409—grading causeway at Wilmington, Project 355, New Hanover Co., $138,409—grading causeway at Wilmington, Project 355, New Hanover Co., $61,307. L. R. Ames, Raleigh, engr.

Ga., Barnesville—Aug. 6, by Mayor and City Council, City Hall, grading, curbing, concrete paving 15,000 sq.yd. Thomaston and Forsythe Sts. Widman & Singleton, 1404 Candler Bldg., Atlanta, engrs.

Ga., Summerville—Aug. 11, by City Clerk, paving. $50,000. E. V. Camp & Associates, 215 Moreland Ave. N. E., Atlanta, engrs.

Mississippi—Aug. 13, by State Hy. Dept., Jackson, clearing, grubbing, grading, graveling 1.54 mi. State Aid Project 97-B Extension. G. A. Draper, hy. engr.

Miss., Belzoni—Aug. 9, by Bd. Supervs. Humphreys Co., c/o Chancery Clerk, concrete paving 37,885 sq.yd. rein.-con. paving 8,200 sq.yd. Federal Aid Project 179-C. G. A. Draper, hy. engr.

Miss., Europa—Aug. 7, by Bd. Aldermen, c/o T. B. Foard, city clk., grading, curbing, sewers, concrete paving 17,100 sq.yd. M. L. Culley, Lampton Bldg., Jackson, engr.

Miss., Jackson — Aug. 8, by Hinds Co., improving Edwards-Utica Rd., 6,500 cu.yd. excav., 10,000 units overhaul, 508 cu.yd. gravel, 7,000 cu.yd. overhaul; grading, concrete paving 0.525 mi. Raymond-Utica Rd. R. M. Stringer, Lampton Bldg., Jackson, engr.

O., Cincinnati—Aug. 10, by Comrs. Hamilton Co., grading, sidewalks, concrete repaving 22,896 sq.yd. Madison Rd. $92,736. Noted July 19.

O., Cincinnati—Aug. 10, by Comrs. Hamilton Co., grading, concrete repaving 35,200 sq.yd. South Fork of Taylor Creek Rd., 20 ft., $190,081. E. A. Gast, Court House, engr.

O., Cleveland Heights (Warrensville P. O.)—Aug. 6, by City, paving Coventry and Northampton Rds. To exceed $25,000. F. A. Pease Engr. Co., Terminal Tower, Cleveland, engrs.

O., Medina—Comrs. Medina Co., bids about Aug. 26, slag paving Cleveland-Hinckley-Medina Rd. $60,078.

Ind., Bloomington — Aug. 7, by Comrs. Monroe Co., gravel, macadam, brick or crushed stone paving 7,080 ft. William Mercer Rd., $11,000—9,140 ft. G. W. Stewart, Rd., $14,340—22,388 ft. J. S. Bastian Rd., $39,800. A. Eller, aud.

Ind., Columbus—Aug. 16, by Bd. Comrs. Bartholomew Co., at office C. W. Talley co. aud., constructing Pearl E. Fisher Rd., Columbus Twp.

Ind., Evansville—Aug. 3, by Bd. Pub. Wks., S. W. Klein, clk., grading, asphalt, brick, rein.-con. or asphaltic on 6 in. cement paving Gum, Mulberry, and Iowa Sts.; brick, rein.-con. or concrete paving alley between Washington and Adams Aves.

Ind., Frankfort—Aug. 6, by Comrs. Clinton Co., concrete paving H. H. Morton Rd., $13,945; D. P. Fisher Rd., $21,152. B. D. Ogle, Frankfort, aud.

Ind., Peru—Aug. 18, by Bd. Comrs. Miami Co., 2 in. sheet asphalt on concrete paving 8,381 ft. T. M. Ginney Rd. 26, Peru Twp. G. Hostetler, aud. Miami Co.

Ind., Terre Haute—Aug. 6 ,by Bd. Comrs. Vigo Co., C. C. Pinson, aud. improving 4 mi. hy. in Fayette Twp. $131,000.

Ind., Tipton—Aug. 3, by Common Council, at office N. D. Smith, city clk., sidewalks, concrete paving Independence St.

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Ind., Valparaiso—Aug. 7, by Bd. Comrs. Porter Co., grading, concrete, brick or asphalt paving H. R. Gundor Rd. $64,420—5,318 ft. J. G. Bauer Rd., $14,030—2.907 mi. H. E. Lindster Rd. $34,146. C. A. Blanchly, Valparaiso, aud.

Ind., Vincennes—Aug. 7, by Bd. Comrs. Knox Co. at office G. W. Donaldson, aud., improving D. Frank Culbertson et al. county unit Rd. or George Rogers Clark Memorial Blvd., $161,692—D. Frank Culbertson et al. Rd., $38,538—D. Frank Culbertson Rd. 2, $10,190.

Mich., Halfway—Aug. 8, by A. J. Wendt, village clk. grading, 8 in. concrete slab paving 2 mi. Kelly Rd., 24 ft. $60,000. R. H. O'Mara, Halfway, engr.

Mich., Royal Oak (Ind. br. Detroit)—See "Sewers."

Ill., Niles Center—Aug. 7, by City, paving West Dempster St. and Gross Park Rd.; sewer in Laramie Ave.; watermains in Paramount and Laramie Aves. Consoer, Older & Quinlan, 222 North Wells St., Chicago, engrs.

Ill., Riverside—Aug. 6, by Village, concrete paving 14,000 sq.yd. Fairbanks and Scottswood Rds. $61,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Toulon—Stark Co. bids about Aug. 15, grading, curbing, rein.-con. paving 8 blocks Franklin and Miller Sts., 27 ft. $34,000. J. L. Duran, Court House, engr.

Ill., Washburn — Bids about Aug. 15, widening, grading, curbing, rein.-con. paving 8 blocks Jefferson St., 30 and 60 ft. $25,000. J. L. Duran, Court House, Toulon, engr.

Wisconsin—Aug. 8, by State, Greene and Dane Co. Hys., Capitol Annex, Madison, concrete paving 5,760 sq.yd. Shullsburg-Monroe Rd., S.T.H. 20, Federal Aid Project 374-E, Greene Co.; 4,170 sq.yd. Sun Prairie Overhead, S.T.H. 19, Federal Aid Project 387-B, Dane Co., incl. overhead strducture. A. L. Hambrecht, div. engr.

Wisconsin—Aug. 9, by State and Calumet County Hy. Comns., Div. Office 3, Nicolet Bldg., Green Bay, constructing New Holstein-Kiel Rd., Federal Aid Proect 346-B, Calumet Co., incl. concrete deck girder span bridge over Chicago, Milwaukee & St. Paul Railroad, on S.T.H. 57. D. F. Culbertson, div. engr.

Iowa—Aug. 7, by State Hy. Comn., Ames, graveling 15 mi. Project P-28, 4 mi. Project F173 and 8 mi. P-472, Primary Road 25, Adair Co.—3.41 mi. Primary Road 51, P-29, and 13.98 mi. same road F-170, Alamakee Co.—grading 7.092 mi. Primary Road 11, P-548-B, Buchanan Co.—2.188 mi. Road 19, P-565, Clayton Co.—2.173 mi. Road 59, P-103, Howard Co.—12.542 mi. U. S. Road 65, P-490, Wayne Co.—6.593 mi. U. S. Road 65, P-555-DE, Worth Co.—paving 16.463 mi. U. S. Road 63, P-510, B, C and D, Mahaska Co.—sewer drains, grading railroad crossing Project 566, P-496, and Project 565, P-475, Appanoose Co.—Project 390, P-553, Fayette Co. R. F. White, hy. comnr.

Ia., Anamosa—Aug. 14, at office F. S. Yetter, maintenance supt., resurfacing 4,500 cu.yd. Primary Road 117.

Ia., Carroll—Aug. 6, at office Auditor Carroll Co., graveling 3,500 cu.yd. Breda Rd. J. F. Maher, Carroll, engr.

Ia., Clinton—Aug. 8, at office Auditor Clinton Co., crushed stone surfacing 4.23 mi. Wheatland-Big Rock Co. Rd.; 4.6 mi. Goose Lake, Preston Co. Rd.

Ia., Des Moines—Aug. 6, by City Clerk, sheet asphalt, concrete or vibrolithic concrete paving 3,635 sq.yd. West 37th St.—sheet asphalt, concrete, vibrolithic concrete or brick paving 18,928 sq.yd., Pennsylvania, Royle, West 2nd Sts.—grading 2,900 cu.yd. Merle Hay Rd. J. M. Tippee, City Hall, engr.

Ia., Guthrie Center—Aug. 7, at office Auditor Guthrie Co., improving Secondary Road System 5, 6,900 cu.yd. gravel, 43,200 units overhaul, 1,000 cu.yd. stripping.

Ia., Ida Grove—Aug. 10, at office Auditor Ida Co., graveling 6.4 mi. Ida Grove Rd. G. S. Witters, Ida Grove, engr.

Ia., Jefferson—Aug. 7, at office Auditor Greene Co., graveling 23.75 mi. 5 projects.

Ia., Lisbon—Aug. 14, by C. R. Runkle, town clk., grading, curbing, guttering, 7 in. rein.-con. paving 11,000 sq.yd. $26,114. Howard R. Green Co., Bever Bldg., Cedar Rapids, engrs.

Ia., Mt. Pleasant—Aug. 7, at office Auditor Henry Co., grading 20,457 cu.-yd. C. E. Smith Mt. Pleasant, c/o. engr.

Ia., Pocahontas—Aug. 9, at office Auditor Pocahontas Co., improving Sect. E county line road, 9,184 cu.yd. excav., 1,617 units overhaul.

Minn., St. Paul—Aug. 7, by K. L. Fieseler, city purch. agt., paving Payne Ave. between bridge over Omaha Ry. and Jessamine St. $65,000. J. W. Kelsey, city engr.

Kan., Anthony—Aug. 24, by Clerk Harper Co., grading, culverts 8,918 mi. Federal Aid Project 361-B, 28 ft. To exceed $2[illegible]000. H. K. Shideler, Anthony, co. engr. Noted July 5.

Kan., Belleville—Aug. 20, by Republic Co., grading, culverts 5.457 mi. Sect. A and 6.416 mi. Sect. B Federal Aid Project 313, 30 ft. To exceed $50,000. J. O. Gaddis, Belleville, co. engr. Noted July 19.

Kan., Cottonwood Falls—Aug. 17, by Clerk Chase Co., grading, concrete paving 6.012 mi. Sect. E and 2.406 mi. Sect. F, Federal Aid Project 357, 30 ft. To exceed $50,000. H. W. Wilkinson, Cottonwood Falls, co. engr.

Kan., Independence—Aug. 16, by Clerk Montgomery Co., grading, culverts 5.312 mi. Federal Aid Project 285-C, 30 ft. To exceed $25,000. J. E. Courtright, Independence, co. engr.

Kan., Marion—Aug. 14, by Clerk Marion Co., sand-gravel surfacing 7.461 mi. Project 50 S-25-K 646.

Kan., Phillipsburg — Aug. 13, by Clerk Phillips Co., grading, bridging 2.5 mi. Project 9-4-K 611.

Ark., Magnolia — Comrs., Street Improv. Dist. 2 (North Jackson)., A. R. Buffington, chn., bids about Aug. 15, grading, sewers, 1:2:3 in. rein.-con. paving 11,200 sq.yd. $35,000. Former bids rejected. J. W. Haynes, Quachita Hotel Bldg., Camden, engr.

Tex., Amarillo—Potter Co. taking new bids one course inverted surface treating 53,000 yd. Refinery and Cliffside Rds. J. W. Ryder, Amarillo, engr.

Tex., Dallas—Aug. 13, by C. E. Gross, aud. Dallas Co., grading, concrete paving West Commerce St. Rd.

Tex., Pampa—Aug. 15, by City, grading 12 mi. Borger Rd. $30,000. C. L. Hasie, Memphis or Pampa, engr.

Okla., Mangum—Aug. 10, by W. C. Roberts, city clk., grading, concrete paving 9,048 sq.yd. Harrison St. $25,000. E. W. Gantt, 1116 Main St., Oklahoma City, engr.

Okla., Wewoka—Aug. 10, by E. J. McBride, city clk., grading, concrete paving 21,400 sq.yd. Plum, Sycamore and Spruce Sts. $72,620. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Nevada—Aug. 8, by State Hy. Comn., Carson City, 639,874 gal. asphaltic fuel oil on 40.39 crushed rock or gravel roads, Clark Co. S. C. Durkee, hy. engr.

California—Aug. 15, by C. H. Purcell, hy. engr., Sacramento, concrete paving 4 mi. Sacramento-Stockton Hy. near Arno, Sacramento Co., $140,000 scarifying asphalt surface 14 mi. Hy. between Tracy, San Juaquin Co. and Livermore, Alameda Co., $25,000.

California—Aug. 15, by State Hy. Comn., Sacramento, gravel surfacing 7.7 mi. road between Butte Creek and Biggs Rd., Butte Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

California—Aug. 15, by State Hy. Comn., Sacramento, grading, concrete paving 4 mi. road between Galt and point 1 mi. south of Arno, Sacramento Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Auburn—Bids about Sept. 1, grading, paving 7 mi. $100,000. J. Barieu, Auburn, engr.

Calif., Berkeley—E. M. Hann, city clk., taking bids grading, curbing, guttering, 2½ in. asphaltic concrete on 4 in. rock paving 60,000 sq.ft. Ada and Acton Sts. A. J. Eddy, city engr.

Calif., Los Angeles—Aug. 13, by Superv. Los Angeles Co., grading, curbing, guttering, 12,849 ft. 8 in. 63,900 sq.yd. 6- to 8-in., and 157,069 sq.ft. 7- to 10-in. concrete paving Anáheim-Telegraph Rd. and Eastern Ave.

Calif., Redwood City—W. A. Price, city clk., taking bids grading, curbing, walks, asphaltic concrete paving King and Jeter Sts. To exceed $25,000. C. L. Dimmitt, city engr.

Contracts Awarded

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 26,327 ft. hy. in Brimfield and Monson to Arute Bros., 499 South Main St., New Britain, Conn., $222,104—6,123 ft. Mattapoisett, to Washburn & Sheridan, East Taunton, $28,465—1,985 ft. Milton, to T. J. McCue, Watertown, $27,694—2,860 ft. Lynnfield, to M. McDonough, Swampscott, $25,-688—3,450 ft. Medfield, to Middlesex Constr. Co., Framington, $19,203—gravel, bituminous macadam paving 3,400 ft. Millis, to T. F. Malloy, Medway, $15,971—gravel broken stone paving 3,375 ft. Newbury, to J. E. Watkins, Amesbury, $7,120—rein.-con. paving 2.350 ft. Palmer, to N. H. Road Constr. Co., Inc., 70 College St., New Haven, Conn., $91,155—1,160 ft. Norwood, to Guaranty Constr. Co., Shirley, $25,497. Grand total $462,897. Noted July 12.

Massachusetts — Dept. P. Wks., State House, Boston, bituminous macadam paving

Streets and Roads (Continued)

5,400 ft. hy. in Groveland, to W. T. Duffee, Haverhill, $22,901—14,400 ft. Florida and 15,888 ft. Amherst and Hadley, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $131,374 and $97,256 respectively—3,290 ft. Blanford, to A. G. Bianchi, 98 Lincoln Park, Longmeadow, $30,433—9,253 ft. Newburyport, to Welch & Moynihan, 15 Front St., Salem, $52,943—18,544 ft. Dartmouth and Westport, to Greany & Sherry, 825 Davol St., Fall River, $138,886—gravel, bituminous macadam paving 3,150 ft. Blackstone, to M. F. Sullivan, Millville, $9,197—reih.-con. paving 950 ft. Littleton, to Greenough Constr. Co., South Acton, $9,334—bituminous concrete paving 6,675 ft. Harwich, to H. L. Thomas, Hyannis, $21,-267. Grand total $513,591. Noted July 5.

Mass., Boston — Bituminous macadam paving Cambridge St., Ward 2, to A. De Stefano & Sons, 288 Summer St., East Boston, $28,642. Noted Apr. 19.

Mass., Boston—Metropolitan Dist. Comn., bituminous macadam roadway between Turtle Pond and West Boundary Rds., Stony Brook Reservation, to E. C. Sargent, 16 Saville St., Quincy, $20,077. Est. $25,000.

R. I., Providence—Bd. Contr. & Supply, constructing Early, Salina, Suffolk and Lynch Sts., to I. Capaldi, 47 Marietta St., $11,578—Fairfield Ave. and Leah St., to J. Ambrose, 1100 Pontiac Ave., Auburn, $4,653—Grass St., to Gallo Bros., Inc., 135 Ontario St., $1,824—Garfield, Higgins and Oakland Aves., to J. H. Ferguson Co., 289 Chapman St., $14,074. Grand total $32,129.

Conn., New Haven — Bituminous macadam paving Hillhouse St., to J. Morrissey, 188 Greenwich Ave., $5,100; Lloyd, Pierpont and Townsend Sts., to W. J. Montgomery, Inc., 66 Anderson St., $46,475. Noted July 5.

New York—A. W. Brandt, comr., Albany (**e.e. means engineer's estimate**), bituminous macadam paving Fulton Co., to C. D. Murray, 701 Westcott St., Syracuse, $168,-733 e.e. $217,658—11.14 mi. in Delaware and Schoharie Counties, to P. J. Meade Eng. & Constr., Inc., 884-6th Ave., New York, $511,411 e.e. $736,008—concrete and bituminous paving 4.32 mi. Erie Co., to W. J. Gallagher Medina, $505,922 e.e. $691,070—concrete paving 3.05 mi. Westchester Co., to P. Luciano & Son, Inc., White Plains, $297,-431 e.e. $381,691—6.21 mi. Saratoga Co. and 0.32 mi. Montgomery Co., to S. A. Scullen, Inc., Cohoes, $489,999 and $24,952 respectively, e.e. $659,379 e.e. $27,542 respectively—3.41 mi. Erie Co., to Harrison Eng. & Constr. Corp., Ellicott Sq., Buffalo, $284,520 e.e. $374,344—4 mi. Wayne Co., to McKibben Rockwell Corp., Hornell $139,938 e.e. $192,452—4.55 mi. Orange Co., from L. C. Carchia, Cold Springs, $216,840 e.e. $305,199—4.11 mi. Essex Co., to H. W. Patterson, Hornell, $198,103 e.e. $269,676—4.74 mi. Rensselaer Co., to Connell & Laub, Red Hook, $237,250 e.e. $341,699—entrance approach, structures Nassau Co., to Bailey & Stein, Phillipsburg, Pa., $33,833 e.e. $40,000—reconstructing bridge Essex Co., to N. E. Young, Union, $27,751 e.e. $37,286—bridge in Ulster Co., to C. A. MacDonald, Phila., Pa., $45,809 e.e. $53,826. Grand total $3,201,123. Noted July 19.

N. Y., Buffalo—Supervs. Erie Co., County Hall, Transit Rd. Extension Part 3, G. M. S. 206, to Meyer & Meyer Corp., 21 Transit Rd., Depew, $112,520. Noted July 26.

N. Y., New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., pavement, miscellaneous work in Lenox Ave.-148th St. Yard, to M. Del Balso Constr. Corp., foot Washington Ave. and 163rd St., $64,583. Noted July 12.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., to Valatia Constr. Co., 15 East 40th St., sheet asphalt paving 8th St. $38,763—to Meehan Paving & Constr. Co., 90 West St., Sherman Ave., $20,660, Isham St. $4,867, granite block paving 207th St. $41,020, Spring St. $55,806, Beach St. $14,760, Mail St. $7,013—from Regan Towers Co., 124 West 121st St. Staff St. $17,184, asphalt block paving Payson Ave. $26,647. Grand total $226,720. Noted July 19.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, granite block repaving Hyland Blvd., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $48,298. Noted July 4.

N. J. Cedargrove—Twp. Comn., 6 in. macadam paving Bortic Rd. and Love Lane, to H. B. Davenport, 386 Crosby Ave., Paterson, $25,604.

N. J., Glen Ridge—Boro Council, Boro Hall, sheet asphalt on 6 in. concrete paving Yatactaw and Forest Aves., to Franklin Contg. Co., 20 Washington Pl., Newark, $19,089. Est. $25,000.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., 3 in. sheet asphalt on 6 in. concrete paving Main St., to E. W. Abraham Renner St., $52,000.

N. J., Hillside (br. Elizabeth)—Twp. Com., curbing, sheet asphalt on 6 in. concrete paving Liberty Ave., to J. B. Gilligan & Casey Co., 972 Broad St., Newark, $69,149.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Municipal Bldg., resetting curbs, 3 in. sheet asphalt on 6 in. concrete paving Hollywood Ave., to Loprete Asphalt Co., 423 Amherst St., East Orange, $47,956; Howard Ave., to Standard Bithulithic Co., front of Brill St., Newark, $25,258.

N. J., Maywood (Sta. Hackensack) Bd. Boro Council, Boro Hall, improving Romaine and Golf Aves., Hartwick, Ackerman, and Stewart Sts. Sinninger and Edgewood Pls., to G. M. Brewster & Son, Ft. Lee Rd., Bogota, $188,338. Noted July 19.

N. J., Milltown—Middlesex Co., County Record Bldg., New Brunswick, sheet asphalt on 6 in. concrete paving Main St. extension, to Utility Constr. Co., 5 Spring St., New Brunswick, $65,637. Noted July 12.

N. J., North Bergen—Twp. Comn., Township Hall, concerte sidewalks on both sides Bergen Turnpike from Hudson Blvd. to Twp. line to R. & F. Concreting Co., 44th St., Union, $80,017. Noted July 12.

N. J., Perth Amboy—Middlesex Co. (New Brunswick), paving 2 mi. shoulders Washington Rd., to A. Keys, Woodbridge, $35,616.

N.J., Red Bank—Monmouth Co. (Freehold), concrete paving 2.76 mi. Red Bank-Holmdell Rd., to E. McNierney, Bradley Beach, $112,728. Noted July 12.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., concrete paving Windsor Rd., to G. M. Brewster & Son, Ft. Lee Rd., Bogota, $65,443. Noted May 31.

N. J., Verona (Ind. br. Montclair)—Bd. Boro Council, Boro Hall, grading, penetration macadam paving Otsego Rd., to W. Alworth & Son, 8 Elmwood Ave., Montclair, $26,853.

N. J., Woodbury—Gloucester Co., Court House, paving Pitman Mullica Hill Rd., to F. A. Canuso & Son, 804 South 12th St., Phila., Pa., $166,768. Noted July 5.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 96,700 sq.yd. Juniata Co., to York Eng. & Constr. Co., York $377,-298—5,000 sq.yd. Berks Co., to D. B. Hoover, Pottstown—10,800 sq.yd. Northumberland Co., to M. R. Aldrich & Co., Masonic Bldg., Harrisburg $127,840—31,500 sq.yd. Indiana Co., to Russel Bros., Youngstown, O. $133,320—26,000 sq.yd. Monroe Co., to Clark Bros. Constr. Co., Cherrytree $222,564—9,250 sq.yd. Montgomery Co., to Union Paving Co., 123 South 21st St., Phila. $29,466—38,600 sq.yd. Blair and Huntingdon Counties and 5,500 sq.yd. Jefferson Co., to D. Bailey, Morrisdale, $208,713 and $55,194 respectively. Noted June 21.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 24,202 sq.yd. Lawrence and Beaver Counties, to J. C. Devine Co., Meadville $142,782—112,000 sq.yd. Bedford Co., to Booth & Flinn Ltd., 1942 Forbes St., Pittsburgh $546,006 — 25,600 sq.yd. Washington Co., to Blue Ridge Constr. Co., Ltd., Uniontown $123,565—28,300 sq.yd. Lackawanna Co., to John Booth, Inc., Carbondale $117,190—fire clay brick on 7 in. concrete paving 8,187 sq.yd. Mercer Co., to Boro of Greenville, Greenville $34,136—23,-000 sq.yd. Allegheny Co., to Harrison Constr. Co., Pittsburgh $147,291—treated bituminous macadam paving 13,850 sq.yd. Adams Co., to C. Elder, Renoro $39,254. Grand total $1,150,224. Noted June 21.

Pa., Bellevue (br. Pittsburgh)—Grading 3,500 cu.yd., curbing, paving, Ross Twp., near here, to McDonough & O'Toole, Frick Bldg., Pittsburgh, $43,000.

Pa., Evans City—Evansburg Boro, Boro Bldg., grading, curbing, paving 8,500 sq.yd., to Nicely Constr. Co., Ligonier, $25,140. Est. $25,000.

Pa., Juniata (br. Altoona)—Grading, warrenite paving 50,000 sq.yd. to G. S. Graham Co., Johnstown, $177,240. Est. $175,000.

Pa., Mayview—Grading, curbing, paving roadways, walks at City Home, to J. W. Hansen, Wabash Bldg., Pittsburgh, $26,357. Est. $30,000.

Pa., Mt. Oliver (br. Pittsburgh)—Repaving, resurfacing streets, alleys, to M. O. Herron Co., South 1st and McKean Sts., Pittsburgh, $37,000. Est. $40,000.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving Dauphin St. $7,675, 7th St. $27,783—to Union Paving Co., 123 South 21st St., redressed granite block repaving Chestnut St. $6,391; track area of Chester and 60th Sts. $11,789; asphalt resurfacing (heater method) Group 1 $60,-945; Group 2 $39,727; Group 5 $71,136—to Eastern Asphalt Co., Penna Bldg., Group 3 $81,369—to Barber Asphalt Co., Hunting Park, Group 4 $108,606—to M. Y. Neely, Inc., Bushelton, Phila., reconstructing Byberry Rd. Bridge over Poquessing Creek $4,000—to Horridge Ellcock & Hall, Dunks Ferry Rd. Bridge over Poquessing Creek $4,650—to Mundy Paving & Constr. Co., Grant Avenue Bridge over Woodenbridge Run $4,345—to Kaufman Constr. Co., 26 South 15th St., bridges over Pennsylvania R.R. $10,400; over Reading & Baltimore & Ohio R.R. $11,625. Grand total $450,-442. Noted June 28.

Pa., Pittsburgh — Repairing Becks Run Rd., to Booth & Flinn Ltd., Forbes St. Est. $45,000.

Pa., Washington—Washington Co., general contract 8 in. concrete paving 10,300 sq.yd. West Maiden, South Franklin, West Blair and Jefferson Sts., to Consolidated Eng. Co., Natl. Bank of West Virginia, Wheeling, W. Va., $47,120. Est $50,000.

Md., Baltimore—Bd. Awards, concrete paving 17,700 sq.yd. Contr. 470, to Ward & O'Connell, 3114 Presbury St., $41,560; sheet asphalt paving 22,500 sq.yd. Contr. 471, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $87,046. Noted July 19.

W. Va., Parkersburg—Paving Stevenson and 9 other streets, to Parkersburg Constr. Co., Parkersburg, $40,541. Noted June 21.

Georgia—State Hy. Bd., East Point, to Whitley Constr. Co., La Grange, paving Route 17, F. Aid Project 417 A, B, C, D, and 427 A and C, Emanuel and Toombes Counties, 18.55 mi., $346,892—11.42 mi. $234,733—9.29 mi. $169,817—7.99 mi. $145,-885—to Campbell Contg. Co., Columbus, paving 10.4 mi., Jones Co., $161,388—to Nichols Contg. Co., 1281 La France St., Atlanta, chert surfacing 9 mi., Catoosa Co. $88,562—penetration macadam paving Bertow and Gordon Counties $434,378—to Carter Constr. Co., Chattanooga, Tenn., penetration macadam paving Whitfield and Catoosa Counties $141,412—Whitfield and Gordon Counties $181,080—to Davis Constr. Co., Walton Bldg., Atlanta, concrete paving 13 mi. Meriweather Co. $259,716—to E. M. Williams, Monroe, bridges in Catoosa Co. $13,824—Jacqson Co. $6,106. Grand total $2,183,893. Noted May 24 and June 28.

Mississippi — Harrison Co. improving 2.021 mi. Federal Aid Project 194, Harrison and Jackson Counties, to Fuller Constr Co., Memphis, Tenn., $737,951. Noted June 28.

Miss., Canton—To W. J. Horie, Euclid Ave., Jackson, warrenite bitulithic paving 15,000 sq.yd. at $0.80 per sq.yd., 50,000 ft. concrete curb and gutter $0.50.

Miss., Kosciusko—Attala Co., grading, culverts, bridges, 6.398 mi. Federal Aid Project 191-A, to S. B. Boyd, Columbia, $58,456.

O., Akron—Summit Co., improving 3 mi. South Arlington St., to Costigan-Shroyer Co., Metropolitan Bldg., $31,304. Est. $37,273.

O., Akron—Comrs. Summit Co., slag paving 1.9 mi. Gillis Rd., to J. L. McCormick, Ravenna, $17,212. Est. $25,000. Noted July 5.

O., Brooklyn (br. Cleveland)—Bitulithic concrete paving 3 streets, to Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, $32,000.

O., Canton—Bd. Control, brick paving ½ mi. Broad Ave. Extension, 18 ft. to Garaux Bros., Massillon Rd., $38,933. Est. $40,000. Noted Apr. 12.

O., Canton—Stark Co., brick pavng ½ mi. Canton-Bolivar Rd., to Garaux Bros. Co., Massillon Rd., $29,424. Est. $30,000.

O., Canton—Stark Co., gravel surfacing 2 mi. Mudbrook Rd., 18 ft., to Cable Co., 1421 5th St. S. W. Canton, $33,442. Est. $35,000.

O., Canton—Stark Co., brick paving 2 mi. Hills and Dales Rd., 18 ft., to General Asphalt Paving Co., Witters Bldg., $70,978. Est. $75,000.

O., Cincinnati—Hamilton Co., oiling roads to O. C. Muth, Robison Rd., Norwood, $26,-649, est. $28,000—surface treating 60.72 mi. to Eaton Oil Works, Sterrett St., Covington, Ky., $43,850. Est. $46,975.

O., Cleveland—Asphalt paving Wallbrook Ave., to Baldwin Bros., 4500 Euclid Ave., $17,651; Chester Ave., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $29,479.

O., Cleveland—Cuyahoga Co., grading, stone curbing, sheet asphalt paving 21,500 sq.yd. Chardon Rd. 4, to Gould & Mayback, 16311 Saranec Rd., $67,467. Noted July 5.

O., Columbus—W. H. Duffy, dir. Serv., to A. W. Burns Constr. Co., 424 Woodland Ave., grading, asphalt paving 1,640 sq.yd. Stewart Ave. $7,428; 3,030 sq.yd. Southwood Ave. $12,827; concrete paving 1,725 sq.yd. Ridgeway Ave. $6,473—to R. J. Dienst, 209 South High St., concrete paving 880 sq.yd. Woodbine Court, $5,128. Grand total $31,856.

O., Dayton—G. F. Baker, dir. Pub. Serv., concrete paving Nassau St. and Wheatley Ave., to Wright Bros., 117 Hollier St., $20,629 and $32,129 respectively. Noted June 14.

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Streets and Roads (Continued)

O., Massillon—Bd. Control, grading, stone curbing, sheet asphalt paving 6,900 sq.yd., concrete paving 1,158 sq.yd. 5th St. N. E., Woodland Ave. S. E., and Wallace Ave. S. E., to Urban Bros., Massillon, $32,438. Noted Mar. 1.

O., Medina — Medina Co., grading, slag paving 6.2 mi. road between Medina and Summit Counties, and between Wadsworth and Eastern Sharon Center, to L. C. Bell & Son, Mansfield, $56,732. Est. $60,000.

O., Miles Heights (br. Cleveland) — To Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland, paving Judson Blvd., East 155th St., and Cloverside Ave., $91,121. Noted June 21.

O., Parma Heights (br. Cleveland)—Paving Greenleaf Ave., to Loesch & Green Constr. Co., 4169 Pearl Rd., Cleveland, $71,000. Noted June 28.

O., Warren—Trumbull Co., improving 3 mi. Youngstown-Hubbard Rd., 18 ft., to V. Olsen Constr. Co., Mahoning Bank Bldg., Youngstown, $83,397. Est. $85,000.

Ind., Bedford—Concrete paving 12th St., to W. J. Nees Co., Mishawaka, $28,146.

Ind., East Chicago—Asphalt paving ½ mi. Forsyth Ave., to Public Constr. Co., Hammond, $46,952.

Ind., Elkhart—Bd. P. Wks., concrete on 2 course granite paving North Main St., to Boutrager Constr. Co., Elkhart, $34,464.

Ind., Indianapolis—Marion Co. concrete paving 2 mi. Holt Rd., to J. R. Hiatt Co., 40 East 54th St., $59,627. Est. $72,000. Noted July 12.

Mich., Detroit—Wayne Co., grading, concrete paving 4¾ mi. Six Mile Rd., to F. O'Kray, 6116 Epworth Blvd. Est. $25,000.

Illinois—State Dept. P. Wks. & Buildings, Div. Hys., Springfield, paving Christian Co., to F. C. Feutz Co., Rochester, Ind., $159,373 — Sangamon Co., to Sangamon Constr. Co., Springfield, $13,387—Cook Co., to Chicago Heights Coal Co., Chicago Heights, $14,396 — Christian and Macon Counties, to J. W. Etchison, Casey, $98,922 —Cook Co., to C. E. Giertz & Son, 360 Crystal St., Elgin, $253,412—McDonough and Hancock Counties, to Jansen & Schaefer, Pekin, $142,988—Clark Co., to O. Arnold, Casey, $104,074—Peoria Co., to McCarthy Improvement Co., Kahl Bldg., Davenport, Ia., $60,005—Livingston and Woodford Counties, to Henkel Constr. Co., Mason City, Ia. $340,949—Randolph and Monroe Counties, to Hoeffken Bros., Belleville, $198,397—Cook, Hancock, and Will Counties, to Cameron, Joyce & Co., 17 South 8th St., Keokuk, Ia., $330,876—grading Kane Co., to Burch Constr. Co., 105 Monona Ave., Madison, Wis., $46,580—Schuyler Co., to Gaines Bros., Fairfield, Okla., $102,835 —Hancock Co., to C. J. Jones, St. Louis, Mo., $17,092—Fulton Co., to E. Gillen Dock Dredge Co., Beardstown, $32,500 — Rock Island and Mercer Counties, to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $64,931—Schuyler Co., to Gaines Bros., Fairfield, Okla., $117,857. Grand total $2,098,574. Noted Mar. 29, Apr. 26 and May 20.

Ill., Chicago — Bd. Local Impvts., City Hall, paving North La Salle St. from West Washington to West Ohio Sts., to J. A. McGarry & Co., 189 West Madison St.

Ill., Chicago — Cook Co. Hy Dpt., 139 North Clark St., paving 2.5 mi. South West Hy., to J. P. O'Keefe Co., 7854 South Ashland Ave., $232,316—1.3 mi. same road, to Fuller Constr. Co., Chicago, $107,936—1.3 mi. Dixie Hy., to E. H. Summerville Co., Harvey, $51,740—2.5 mi. Willow Springs Rd., to R. F. Conway Co., 844 Rush St., $97,796—Devon Ave., to M. Hayes Co., Tessville, $35,145. Grand total $524,933.

Ill., Evanston—Bd. Local Impvts., to M. Foley Co., Evanston, grading, curbing, guttering, sewers, concrete paving 3,390 sq.yd. Park St., $14,828—2,320 sq.yd. Colfax St., $11,835—lead water service pipes in Bennett Ave., $529. Grand total $27,192.

Ill., Galesburg—See "Waterworks."

Ill., Tessville — Concrete paving 2 mi. streets, 21 ft., to M. Hayes & Son, 209 South La Salle St., Chicago, $112,000.

Ia., Decorah—Grading, curbing, guttering, 8 in. rein.-con. paving 15,020 sq.yd. Mechanic and Short Sts., to Omaha Constr. Co., Omaha, Neb., $40,906.

Ia., Iowa City—Grading, curbing, guttering, 6 in. concrete paving 3,160 sq.yd. alleys, and 7 in. rein.-con. paving 19,822 sq.yd. and brick paving 4,918 sq.yd. streets, to W. Horrabin Contg. Co., 15 East College St., $78,992.

Ia., Le Mars—Grading, curbing, concrete paving, to P. C. Hanson & Son, Sioux City, $37,864.

Ia., Newton—Jasper Co., graveling 31,850 cu.yd. Baxter-Monroe Rd., to Coon River Sand Co., East 30th St., Des Moines, C.A., at $1.64 per cu.yd.

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Ia., Ute—Grading, curbing, paving 18,000 sq.yd., to Booth & Olson Paving Co., 310 Grain Exch. Bldg., Sioux City, $39,000.

Minnesota—State Hy. Comn., St. Paul, grading 27,700 cu.yd. State Project 62-21, and 21,000 cu.yd. State Project 63-22, to Megarry Bros., Bain, $43,690. Noted July 5.

Minn., LeSueur Center—C. L. Huebl, aud. LeSueur Co., grading 86,087 cu.yd. Job 2802, State Aid Rd. 5, to J. Brown, Madison Lake $22,500. Noted June 28.

Minn., Minneapolis—Bd. Comrs. Hennepin Co., c/o A. P. Erickson, aud., concrete paving 1 mi. Rd. 2, 40 ft., to Fielding & Shepley, 217 University Ave., St. Paul, $52,411.

Minn., New Ulm—Curbing, guttering, vibrolithic concrete paving, to Woodrich Constr. Co., 808 Metropolitan Life Bldg., Minneapolis, $121,678.

Kan., Atwood—Rawlins Co., sand graveling 18.507 mi. Project 542, 30 ft., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $17,897. Est. $31,515. Noted June 28.

Kan., Erie—L. R. Stanley, clk. Neosho Co., chat surfacing 32¾ mi. Walnut, Erie-Odense, Lebanna, South Mound-Lake, Neosho, Needesha and Earlton Rds., to A. L. Cook, Ottawa, $29,109.

Kan., Fredonia—Wilson Co., grading 7.324 mi. Rd.-K47-Kansas 557-A, to A. L. Cook, Ottawa; 2 bridges, to J. S. Vance & Son, Parsons. Noted July 5.

Kan., Garden City—W. G. Hopkins, clk. Finney Co., sand gravel surfacing 17.414 mi. Projects 26 and 27, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $19,302. Noted July 5.

Kan., Kingman—Kingman Co., concrete surfacing 8.067 mi. U. S. 54-Federal Aid Project 341 B, C and D, to Taylor Constr. Co., Salina, $169,305. Noted June 28.

Kan., Oberlin—Clerk Decatur Co., grading, bridging 3.59 mi. Project 533, 30 ft., to G. F. Bump, Norcatur, $28,494. Est. $32,910. Noted July 12.

Kan., Ottawa—Franklin Co., concrete, brick, bituminous concrete, bituminous macadam or sand gravel paving 6.6 mi. Federal Aid Proect 273-B, 18 ft. to Cook & Stucker, Ottawa, $128,347. Noted June 28.

Kan., Russell Springs—J. S. Huddleston, clk. Logan Co., sand, gravel surfacing 14.304 mi. Project 538-B, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $8,928. Noted July 12.

Kan., Wakeeney—Clark Trego Co., sand gravel surfacing 14.496 mi. U. S. 40-S, Federal Aid Project 382-C, 30 ft., to San Ore Constr. Co., McPherson, $28,164. Noted July 12.

Kan., Wichita—Concrete paving 27,547 sq.yd., to Globe Constr. Co., 1069 Water St., at $1.55 per sq.yd.; asphaltic concrete paving 3,240 sq.yd., to H. T. Ritchie, P. O. Box 298, $2.28.

N. D., Fargo—Concrete paving 6 blocks 4th Ave. S., to S. Birch & Sons, 211 Front St. Est. $30,751.

Mo., Kansas City—Natural lake asphalt paving Main St. from Pershing Sq. to 26th St., to Midwest Paving Co., Uptown Bldg., $175,495.

Mo., Kirkwood—Concrete paving 12,064 sq.yd. Central Pl., Clay, Van Buren and Cleveland Aves., to J. F. McMahon Constr. Co., 719 Buder Bldg., St. Louis, Mo., $31,478—8,037 sq.yd. Clinton Pl., Hickory, Jefferson and Madison Aves., concrete paving 2,250 sq. yd. and bitulithic paving 2,625 sq.yd. Harrison Ave., to Fehlig-Fenrenbach, Inc., $500 Hickory St., $20,992.

Tex., Amarillo—City, 2 course penetration on 8 in. gravel paving 19,043 sq.yd., to Amarillo Constr. Co., 7th and Courtney Sts., $45,879. Noted June 28.

Okla., Geary—Grading, concrete paving 9,930 sq.yd. 4th and Blaine Sts., to Ward-Beekman & Brooks, 1801 East 9th St., Oklahoma City, $27,553. Est. $27,594.

Okla., Marshall—Grading, concrete paving 13,850 sq.yd. Vine, Missouri and Kansas Sts., to Standard Paving Co., 2115 East 11th St., Tulsa, $42,154. Est. $42,177. Noted July 12.

Okla., Seminole—Grading, concrete paving 7,100 sq.yd. Timmons and Maple Sts., to R. H. Chase, Seminole, $28,142. Est. $29,139. Noted Mar. 29.

Colorado—State Hy. Dept., Denver, concrete paving 4.363 mi. Pueblo-Colorado Springs Hy., Pueblo Co., to J. F. Roberts, Tramway Bldg., Denver, $120,789.

Colorado—State Hy. Comn., Denver, paving 4.5 mi. Denver-Boulder Rd., to J. H. Miller & Co., 400 Chamber Commerce Bldg., Denver, $150,264.

Colo., Denver—Concrete paving Alley Paving Dist. 175, to W. F. Pigg & Son, Commonwealth Bldg., $13,872—Alley Paving Dist. 173, to Gordon Constr. Co., 31st and Platte Sts., $19,719—asphaltic concrete paving North Denver Paving Dist. 11, and 12, to Western Paving & Constr. Co., [illegible] Washington St., $29,043 and $26,[illegible] respectively—17th Ave. Paving Dist [illegible] Allied Contractors, Inc., Union Station [illegible] 524—improving Barnum Impvt. Dist. [illegible] H. C. Lallier Constr. & Eng. Co., Co[illegible]tal Trust Bldg., $66,860. Grand [illegible] $217,720. Noted Apr. 12.

Nevada—State Hy. Comn., Carson [illegible] 274,549 gal. asphaltic fuel oil on 16 [illegible] crushed rock or gravel Route 2, Sec[illegible] D1 and D, White Pine Co., to Calif[illegible] Road Oil Serv. Co., Los Angeles, [illegible] $19,877 — reconstructing Leeteville-[illegible] Hy., Churchill Co., to A. D. Drumm, Jr., Fallon, $26,933. Noted July 5.

Washington—State Hy. Comn., Olympia, concrete paving 3.41 mi. Spokane Co., to J. A. Collins & Co., Reardan, $96,288.

Washington—State Hy. Comn., Olympia, grading 214,500 cu.yd. Kittitas Co., to S. H. Newell & Co., 1254 Reed College Pl., Portland, Ore. $79,869—graveling 11,420 cu.yd. Skamania Co., to C. E. Martin, R.F.D. 3, Box 160, Seattle, $11,164—broken stone surfacing 13,000 cu.yd. Kittitas Co., to Midstate Constr. Co., Yakima $27,355. Grand total $118,388. Noted June 21.

Wash., Seattle—Bd. P. Wks., paving [illegible] Ave. S. W., to S. A. Moceri, Inc., 1313 South 13th St., Tacoma, $104,902.

Wash., Seattle — Paving 2nd Ave. et al., Div. 11, to Goetz & Brennan, Seaboard Bldg., sand-cast $149,663.

Oregon—State Hy. Dpt., Salem, clearing, grubbing, grading 11.02 mi. Fremont Hy., 60 ft. right-of-way, to H. C. Boyer, Ontario, $40,320.

Oregon—State Hy. Comn., Salem, grading, surfacing 11.02 mi. Fremont Hy., Lake Co., to H. C. Bayer, Ontario, $40,320.

California—State Hy. Comn., Sun Finance Bldg., Los Angeles, grading, concrete paving 0.8 mi. road between Fullerton and Anaheim, 30 ft., Orange Co., to Bartlett & Mathews, Braley Bldg., Pasadena, $33,867. Noted June 28.

Calif., Glendale — Curbing, guttering, walks, asphaltic concrete paving Hawthorne Ave., to C. U. Heuser, 816 Allen Ave., $44,090.

Calif., Huntington Park—Curbing, guttering, walks, 5 in. asphaltic concrete paving 117,488 sq.ft. Passaic St., to Griffith Co., Railway Bldg., Los Angeles, $25,966.

Calif., Glendale—Curbing, walks, 6- to 8-in. concrete paving 298,611 sq.ft. Max St. and Chevy Chase Dr., to G. A. Simpson, 1055 Sanborn Ave., Los Angeles, $128,880.

Calif., Long Beach—Curbing, walks, 6 and 8 in. concrete paving Lewis and Cerritos Aves., to Roche-Axman Co., 1416 South Glendale Ave., $22,799 and $22,473 respectively.

Calif., Los Angeles—Los Angeles Co., improving Ventura Blvd., to G. H. Oswald, 366 East 58th St., Los Angeles, $746,270. Noted Apr. 26.

Calif., Los Angeles—Los Angeles Co., improving Pine Ave., Impvt. 584, to Vido Kovacevich, 1553 Loma Ave., Long Beach, $57,417. Est. $64,071. Noted June 14.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, guttering, concrete paving Florence Ave., Impvt. 79, to G. H. Oswald, 366 East 58th St., $234,397. Noted June 28.

Calif., Oakland — Grading, sewers, asphaltic concrete paving Webster St. between Eagle and Tynan Aves., to Warren Constr. Co., 28th and Poplar Sts., $47,948.

Calif., Oroville—Grading, gravel surfacing, to W. A. Betchel, 201 Sansome St., San Francisco, $43,065.

Calif., Palo Alto — Improving Channing Ave., to Western Paving Co., Call Bldg., San Francisco. $33,754.

Calif., San Bernardino—Concrete and oil macadam paving Grant Ave., to H. H. Lineau, 826 Brookside Ave., Redlands, $68,989.

Calif., San Diego — Curbing, sidewalks, concrete paving Highland Ave., to R. W. Brown, San Diego, $49,049.

Calif., San Diego—Common Council, improving Allison, Hawk Sts. and Horton Ave., to Watson & Sutton, Noell St., $101,565 and $27,003 respectively. Noted June 28.

Calif., San Francisco—Bd. Pub. Wks., improving Great Hy. between Sloat Blvd. and Lincoln Way, to Grandfield, Farrar & Carlin, 666 Mission St., San Francisco, $131,320. Noted July 5.

Calif., Santa Ana—Orange Co., curbing, culverts, concrete paving Spadra Rd., to Griffith Co., Railway Bldg., Los Angeles, $32,600.

Calif., Stockton—San Joaquin Co., asphalt paving Waterloo Rd., to Heafey-Moore Co., 344 High St., Oakland, $73,535.

Calif., Ventura — Improving East Main St., to Griffith Co., Railway Bldg., Los Angeles, $793,748. Noted July 26.

Streets and Roads (Continued)

Calif., Woodland—Supervs. Yolo Co., grading, concrete paving 3.8 mi. hy. between Winters and Madison, to A. Terchert & Son, 1456 37th St., Sacramento, $73,285. Est. $80,000.

Ont., Aurora—Asphalt paving 5 streets, to Warren Bituminous Paving Co., 54 University Ave., Toronto, $53,000. Est. $60,000.

Ont., Brampton—Peel Co., grading road between Caledon E. and Mono Mills, to R. C. Huffman Constr. Co., 331 Bay St., Toronto, earth at $0.42 per cu.yd., rock $2.80; 10,000 cu.yd. road south of Palgrave, to Britnell Contg. Co., Baster St., Toronto, earth $0.37. Est. $30,000.

Public Bond Elections

Coming Elections

Waterworks—Oceanside, Calif., $75,000.
Sewers—Gretna, La., $300,000.
Roads—Ballinger, Tex., $525,000.
Roads—Fairview, Okla., Aug. 7, $600,000.
Roads—Natchitoches, La., Aug. 4, $45,000.
Waterworks—Sweet Springs, Mo., Aug. 7, $100,000.

Bonds Voted

Sewers—Cotton Plant, Ark., $100,000.
Sewers—Dilley, Tex., $35,000.
Sewers—Weatherford, Okla., $45,000.
Sewers—Vista, Calif., $70,000.
Bridges—Pittsburgh, Pa., $3,540,000.
Roads—Pharr, Tex., $1,000,000.

Buildings—Commercial

Proposed Work

N. H., Jaffrey—HOTEL—Jaffrey Arms, Inc., c/o Blackall & Elwell, archts., 29 Central St., Boston, Mass., sketches brick, steel, Gilmore Lake. $150,000 or more.

Mass., Boston—OFFICE—United Shoe Mchy. Co., S. J. Winslow, Jr., chn. building com., 205 Lincoln St., plans by Parker, Thomas & Rice, 177 State St., and H. B. Alden, associate archt., 126 State St., 24 story, basement, 200 x 220 ft., brick, rein.-con., steel, limestone, 138-162 Federal St. French & Hubbard, 210 South St., engr. Noted Apr. 26.

Mass., Brookline (br. Boston)—HOSPITAL—Trumbul Hospital, R. A. Baxter, pres., 68 Allerton Rd., sketches by H. F. Kellogg, 378 Stuart St., Boston, altering and constructing 4 story, basement, brick addition, plain found., Allerton Rd. $150,000. Noted June 14.

Mass., Chicopee — CITY HALL — City, F. P. Cobb, city engr., plans by G. P. Dion, 10 Center St., altering and constructing brick, steel, stone addition, Front St. $150,000.

Mass., Malden (br. Boston)—APARTMENT—J. Shahbas, Lynnfield Center, plans by B. E. Porter, 73 Tremont St., Boston, 4 story, basement, 65 x 105 ft., brick, plain found., Summer St. $150,000.

Mass., Medford (br. Boston)—APARTMENT—P. J. Griffin, 42 Metcalf St., Boston, 3 story, basement, irregular sized, brick, stone, plain found., Metcalf St. $150,000. Private plans. Noted Apr. 26.

Mass., Newton—FIRE ALARM—City, Fire Dpt., C. W. Ranlett, chf., plans by Kendall, Taylor & Co., 142 Berkley St., Boston, fire alarm signal headquarters, Willow St. $200,000. Noted June 7.

Mass., Norfolk—PRISON COLONY—R. D. Kimball Co., 6 Beacon St., Boston, rein.-con., brick, prison colony buildings, plain founds. $200,000. Private plans.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE — Aug. 2, by Shepard & Stearns, archts., 65 Franklin St., Boston, 2 story, basement, 125 x 195 ft., brick, stone, plain found., Hancock and Saville Sts., for H. M. Faxon, Clivedon Bldg. Est. $150,000. Noted July 26.

Conn., Hartford — THEATRE, STORE and OFFICE—J. Glassman, 170 Adams St., revised plans by G. H. Matthew, 48 Campfield St., brick, Albany Ave. $150,000.

R. I., Woonsocket—CITY HALL—City, P. Building Dpt., plans by O. H. Drouin, Monument Sq., altering and constructing 3 story, 78 x 102 ft., brick, stone addition, Main St. $150,000.

N. Y., Astoria — APARTMENT — Gelsen Building Corp., 1070 Forest Ave., Ridgewood, plans by Schmoll & Perlstein, 6735 Henmon St., Middle Village, 6 story, 81 x 96 ft., brick, timber, 32nd St. and 31st Ave. $400,000.

N. Y., Brooklyn — APARTMENT — Ft. Hamilton Realty Co., B. Fella, pres., 136 East 8th St., New York, plans by MacManus & Griffiths, 11 East 42nd St., New York, 6 story, 100 x 138 ft., brick, timber, 95th St. and Ft. Hamilton Parkway. $250,000.

N. Y., Brooklyn—APARTMENT—Madison Building Corp., H. Roberts, secy., 1170 Bway., New York, plans by Levy & Grillo, 373 Fulton St., 6 story, 110 x 137 ft., brick, timber, Ft. Hamilton Ave. and 86th St.

N. Y., Brooklyn—APARTMENT—Utrecht Building Corp., L. Levine, pres., 32 Court St., plans by Prober & Blaufeux, 66 Court St., 4 story, 144 x 182 ft., brick, timber, Ovington St. and West 6th Ave. $350,000.

N. Y., Brooklyn — APARTMENT — Wax Realty Co., N. Wax, pres., 417 Amboy St., plans by J. J. Millman, 26 Court St., 4 story, 87 x 100 ft., brick, timber, 40th St. and 9th Ave. $150,000.

N. Y., Corona (Ind. Sta. Flushing)—BANK—Queens Co. Savings Bank, Flushing, plans by W. W. Knowles, Bridge Plaza, Long Island City, 4 story, 50 x 100 ft., brick, steel, stone, 103rd and Sackett Sts. $300,000.

N. Y., Long Island City—APARTMENT and STORE—Community Place Corp., 105 Court St., Brooklyn, plans by M. Margolin, 105 Court St., Brooklyn, 3 story, brick, timber, Ditmars Blvd. and West 19th St. $240,000.

N. Y., New York—APARTMENT—Arjay Constr. Corp., R. Jackson, pres., 2072 Davidson Ave., plans by M. Del Gaudio, 160 West 45th St. 6 story, 90 x 100 ft., brick, timber, Arnow and Barnes Aves. $200,000.

N. Y., New York — APARTMENT — Ferbro Realty Co., Inc., J. Feraca, pres., 733 Grote St., plans by G. G. Miller, 1482 Bway., 6 story, 86 x 100 ft., brick, timber, Bryant and Lafayette Aves. $175,000.

N. Y., New York—APARTMENT—Five Hundred Eighty-Nine Tinton Avenue Corp., S. Gordan, pres., 56 West 45th St., plans by Springsteen & Goldhammer, 40 East 49th St., 4 story, 87 x 151 ft., brick, timber, Leland and Westchester Aves. $200,000.

N. Y., New York—APARTMENT—Lawrad Building Corp., C. M. Radoe, secy., 1969 Arthur St., plans by L. Pisciotta, 1912 Arthur St., 6 story, 87 x 100 ft., brick, timber, Elder and Watson Aves. $215,000.

N. Y., New York — APARTMENT — Thirty-Seven Washington Square Corp., A. A. Bertine, pres., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, 82 x 82 ft., brick, steel, 37 Washington Sq. $700,000.

N. Y., New York—APARTMENT—Timpson Place Constr. Co., S. Silberbeg, pres., 835 East 150th St., plans by G. G. Miller, 1482 Bway., 6 story, 84 x 190 ft., brick, timber, Timpson Pl. and St. John Ave. $390,000.

N. Y., New York — STORAGE and APARTMENT—Puritan Estates, Inc., E. Krulewitch, res., 45 West 34th St., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, brick, steel, 307 East 72nd St. $700,000.

N. Y., New York—STORE and TEA ROOM—American Society of Civil Engineers, L. Bush, pres., 33 West 39th St., plans by C. E. Birge, 29 West 34th St., altering 4 story, 75 x 113 ft., brick, steel, 220 West 57th St. $250,000.

N. Y., White Plains—HOSPITAL—White Plains Hospital, 42 Greenridge Ave., plans by York & Sawyer, 100 East 42nd St., New York, hospital. $150,000.

N. J., Allenhurst—INSTITUTION—A. E. Fitkin, 165 Bway., New York, plans by C. A. Jackson, 463 8th Ave., New York, 3 story, basement, brick, steel, plain found., Freehold and Eatontown Rds. $1,000,000.

N. J., Bogota — APARTMENT — J. De Stefano, c/o S. Rocco, archt., 50 22nd St., Union City, plans 5 story, basement, brick, steel, plain found. Fort Lee Rd. and Ridgefield Ave. $150,000.

N. J., Fairview—STORES and APARTMENT—M. G. Constr. Co., c/o L. Vivoli, archt., 411 Palisade Ave., Cliffside, 5 story, basement, 50 x 100 ft., brick, steel, plain found., Morningside Ave. and 9th St. $150,000.

N. J., Hoboken—APARTMENT—J. J. O'Leary, 730 Hudson St., 8 story, basement, brick, steel, plain found., Washington St. between 10th and 11th Sts. $500,000. Engineer and architect not selected.

N. J., Hoboken — CLUB—B.P.O.E. 74, 1005 Washington St., sketches by J. Lugosch, 714 Bergenline Ave., Union City, 3 story, basement, brick, steel addition, plain found., 10th St. $150,000.

N. J. Hoboken — HOTEL — Strasse & Barnes, archts., 175 5th Ave, New York, altering and constructing 4 story, basement, 60 x 100 ft., brick, steel, addition, plain found. 40-42 2nd and River Sts., for M. Schumann, c/o architect. $150,000.

N. J., Jersey City — APARTMENT — Alvin Development Corp., c/o Skilointz, archt., Labor Bank Bldg., 5 story, basement, 75 x 100 ft., brick, steel, plain found., Hudson Blvd. and Stevens Ave. $150,000.

N. J., Jersey City—HOSPITAL—Christ Hospital, 176 Palisade Ave., revised plans 4 story, brick, steel addition, plain found. $225,000. J. T. Rowland, Jr., 30 Journal Sq., Jersey City, archt. Noted May 17.

N. J., Jersey City—HOTEL—Corporation, c/o Hotel Development Service Co., 369 Lexington Ave., New York, rejected bids 1½ story, basement, brick, steel, plain found., 2861-67 Hudson Blvd. $5,000,000. Thomas, Martin & Kilpatrick, 220 South 16th St., Phila., Pa., archts. and engrs. Project in abeyance. Noted May 3.

N. J., Jersey City—HOTEL—Fairmount Hotel, c/o. L. Schultz, archt., 256 Summit Ave., Union, 11 story, basement, 50 x 105 ft., brick, steel, plain found. $300,000. Noted July 26.

N. J., Long Branch—APARTMENT—J. C. Gaffney, 100 East 182nd St., New York, sketches by W. A. Geisen, 603 East Tremont Ave., New York, 5 story, basement, brick, steel, plain found., South Lake Dr. and Elleron Ave. $250,000.

N. J., Newark— APARTMENT — A. Sobine, c/o S. Cohen, archt., 134 Branford Pl., will not construct 5 story, basement, brick, steel, plain found., 970-76 18th Ave. $200,000. Project abandoned. Noted Oct. 20.

N. J., Newark — APARTMENT — J. D. Steffano, c/o M. O. Klemmt, archt., 43 Hill St., 4 story, basement, 84 x 104 ft, brick, steel, plain found., 493-9 Roselle Ave. $150,000.

N. J., Newark — HOTEL — Cedarbrook Heights Development Corp., c/o S. Cohen, archt., 134 Branford Pl., 3 story, basement, 70 x 100 ft., brick, steel, plain found., Milford Ave. $150,000.

N. J., Orange—APARTMENT—Bilt-Wel Co., 135 Hill St., plans by M. Villanueva, 604 Central Ave., East Orange, 4 story, basement, 95 x 105 ft., brick, steel, plain found., Whitehall Pl. near Scotland Rd. $150,000.

N. J., Passaic—COMMUNITY CENTER—Ahavas Israel, 171 Howard St., sketches by Preiskel & Skvarla, 2 Lexington Ave., 5 story, basement, brick, steel, plain found., 181 Van Houten Ave. $150,000. Nated July 19.

N. J. Paterson—APARTMENT—C. Ferdinand, c/o J. Holt, archt., 132 Market St., sketches 3 story, basement, brick, steel, plain found., 974 Madison Ave. $150,000.

N. J., Paterson—STORE—H. B. Kintay, Esq., c/o F. W. Wentworth, archt., 140 Market St., 3 story, basement, brick steel, plain found., 135 Main St. $150,000.

N. J., Perth Amboy—ARMORY—State of New Jersey, Trenton, sketches by G. M. Ricci, 224 Smith St., 2 story, basement, brick, steel, plain found., Lewis Ave. $150,000.

N. J., Perth Amboy—BANK and OFFICE—Perth Amboy Trust Co., 147 Smith St., rejected bids Apr. 9, general contract, 3 story, basement, 30 x 100 ft., brick, steel, addition, plain found., Smith and Hobart Sts. Will readvertise. J. N. Pierson & Son, 198 Jefferson St., archt. Noted Apr. 5.

N. J., Perth Amboy—STORE and AUDITORIUM—O. K. Realty Co., 226 Smith St., rejected bids general contract 2 story, 100 x 105 ft., brick, steel, plain found. Maple and Smith Sts. $150,000. J. N. Pierson & Son, 198 Jefferson St., archts. Noted Jan. 15.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—M. Merles, 363 West Jersey Ave., Elizabeth, plans by W. F. Fenne, 91 Broad St., Elizabeth, 3 story, basement, brick, steel, plain found., East 3rd and Sheridan Aves., $150,000.

N. J., Rutherford — APARTMENT — Owner, c/o A. P. Nucciarone, archt., 206 Central Ave., Orange, 3 story, basement, 115 x 120 ft., brick, steel, plain found. $200,000. Noted July 26.

N. J., Weehawken—BANK—J. T. Rowland, Jr., 30 Journal Sq., Jersey City, soon lets contract 2 story, basement, brick, steel, plain found., 4th St. and Park Ave., for Park Trust Co., 656 Park Ave. $150,000. Noted June 1.

N. J., Westfield—STORE—Owner, c/o J. Anderson, archt., 251 North Broad St., Elizabeth, 2 story, basement, 100 x 160 ft., rein.-con., brick, steel, plain found., 260 East Broad St. $150,000.

Pa., Haverford — ADMINISTRATION — Comrs. Haverford Twp. plans by Dreher & Churchman, Otis Bldg., Phila., administration building, Coopertown and Manoa Rds. $250,000.

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Buildings—Commercial (Continued)

D. C., Wash.—CLUB—Mayflower Club, 1022 Vermont Ave. N. W., Plans by D. Stern, 1412 Eye St. N. W., club showroom and stores, 1622-28 L St. $500,000.

D. C., Wash.—HOTEL—Bellview Co., Inc., 1010 Vermont Ave. N. W., plans by Pierson & Pierson, Hill Bldg., hotel E. St. west of North Capitol St. $800,000.

D. C., Wash. — HOTEL—Walker Johnson, c/o Milburn—Heister Co., archt., Hill Bldg., hotel, opposite Union Station, $240,000.

Va., Petersburg — HOSPITAL—Chamber of Commerce, W. Clarkson, pres., 200 bed fireproof hospital. $200,000.

W. Va., Huntington — HOSPITAL — Chesapeake & Ohio Ry. Co., Richmond, Va., C. W. Johns, ch. engr., expending $235,000, hospital addition.

Ala., Huntsville — HOTEL — Huntsville Hotel Co. soon lets contract Russell Erskine Hotel, 12 story, brick, stone, Clinton Ave. Est. $500,000. Noted Mar. 22.

La., New Orleans — AUDITORIUM — Comm. Council plans by Favort & Livaudis Hibernia Bank Bldg., auditorium, incl. convention hall, theatre, exhibition place, meeting rooms, Orleans St. $2,000,000.

Tenn., Knoxville—MEDICAL ARTS and GARAGE—Medical Arts Building Corp., plans by Manley & Young, 302 West Church St., 13 story L shaped, 70 x 103 ft., rein.-con., with 3 story, 109 x 145 ft. garage, Main Ave. and Locust St. $750,000.

Ky., Louisville—WAREHOUSE—D. X. Murphy & Bro., archts., Louisville Trust Bldg., soon lets contract 8 story, basement, 85 x 203 ft., rein.-con., brick, steel, 10th and Ormsby Sts., for Henry Vogt Machine Co., 10th and Ormsby Sts. $275,000.

O., Dayton—STORE and APARTMENT —Buckeye Home Builders, Inc., Amer. Bldg., plans by R. A. Carnahan, Mutual Home Bldg., 2 story, basement, 100 x 150 ft., brick, plain found. Fairview and Salem Sts. $200,000.

Mich., Detroit—HOTEL—Owner, c/o H. Jerome Darling, archt., 1st Natl. Bank Bldg., 6 story, basement, 86 x 100 ft., rein.-con., brick, steel, stone, plain found. $400,000.

Ill., Chicago — APARTMENT — Briar Tower Building Corp., c/o Oman & Lilienthal, 431 North Michigan Ave., 20 story, basement, brick, steel, terra cotta, on 84 x 135 ft. site, 413-423 Briar Pl. $2,100,000.

Ill., Chicago—APARTMENT—East Fiftieth Street Building Corp., c/o Leichenko & Esser, archts., 38 South Dearborn St., sketches 21 story, basement, 76 x 125 ft., 1638-44 East 50th St. $1,500,000.

Ia., Des Moines—THEATRE—A. H. Black Theatres, Inc., c/o A. H. Black, pres., 300 Commonwealth Bldg., sketches remodeling, enlarging 2 story, brick, steel, stone, terra cotta, from 1,759 to 2,800 seating capacity. $500,000.

S. D., Sioux Falls—THEATRE—Eighth Street & Phillips Avenue Building Corp., J. H. Kirby, plans 12 story, basement, 132 x 150 ft., rein.-con., brick theatre. $1,000,000.

Mont., Great Falls—STORE—Paris Dry Goods Co., F. A. Figman, pres., plans by McIver & Cohagen, 115 11th Ave. S., 4 story, basement, 100 x 150 ft., rein.-con., brick, terra cotta, 4th St. $300,000.

Mo., Kansas City—OFFICE—New England Natl. Bank, sketches by Wright & Wright, 1st Natl. Bank Bldg., 23 story, basement, rein.-con., steel. $2,500,000.

Mo., Richmond Heights (mail St. Louis) —HOSPITAL—Sisters of St. Mary, c/o Sisters Raphael, superior, soon lets contract 3 story, basement, rein.-con., brick, stone, Clayton and Bellevue Aves. $300,000. O'Meara & Hills, 1036-42 Arcade Bldg., St. Louis, archts. Noted June 14.

Mo., St. Louis—APARTMENT—Maxine Realty Co., c/o F. Yawitz, 2333 Pine St., sketches 10 story, basement, 58 x 200 ft., rein.-con., brick, stone, terra cotta apartment, incl. 60 car garage, 4339-41 West Pine Blvd. $750,000.

Mo., St. Louis—AUDITORIUM—Bd. P. Serv., City Hall, bids in late summer or fall, 5 story, basement, rein.-con., steel, stone, Market St. between 14th and 15th Sts. $5,000,000. Municipal Plaza Comn., Inc., c/o owner, archts. and engrs. Noted Oct. 6.

Mo., St. Louis—HOTEL and BUS TERMINAL—C. E. Lane, 1700 Morgan St., and Manske & Bartling, archts., 410 North Euclid Ave., bids after Sept. 1, 5 story, basement, rein.-con., brick, stone, terra cotta, Olive St. west of 18th St. $300,000. Noted July 19.

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Tex., Alice—HOTEL—Alice Hotel Co., c/o H. E. Prisnall, Alice State Bank, revised plans by Hadry & Curran, 709 Nixon Bldg., Corpus Christi, 5 story, basement, rein.-con., brick, plain found. $200,000. Former bids unopened. Noted July 19.

Tex., Dallas — HOTEL — W. S. Dunne, archt., 301 Melba Bldg., bids after Sept. 1, 12 story, stone, steel, rein.-con., Main and Martin Sts., for C. A. Mangold and E. W. Morten, c/o Morten Investment Co. $750,000. Noted Dec. 29.

Tex., Marlin—HOTEL—Chamber of Commerce soon takes bids 7 story, brick, stone, rein.-con. $450,000.

Tex., New Braunfels — HOTEL — New Braunfels Hotel Co., c/o E. Fischer, plans by H. P. Smith, c/o Natl. Bank of Commerce Bldg., San Antonio, 4 story, part basement, 75 x 100 ft., L-shaped, brick, rein.-con., plain found. $160,000. Noted June 14.

Tex., San Antonio—BUSINESS—Martin-Jefferson Co., Inc., c/o T. Ethridge, pres., 230 Bway. St., business building, Martin and Jefferson Sts. $600,000 or more.

Tex., San Antonio—MOTOR BUS TERMINAL—Herff & Jones, archts. c/o San Antonio Loan & Trust Co. Bldg., soon lets contract 1 and 2 story, brick, rein.-con., Navarro, Martin and Pecan Sts., for Martin-Navarro Co., c/o L. W. Lipscom, pres., Frost Bank Bldg. $200,000. Noted July 5.

Okla., Cordell—EXCHANGE—Southwestern Bell Phone Co., 11th and Pine Sts., St. Louis, Mo., sketches by I. R. Tomerlin, St. Louis, Mo., 2 story, basement, rein.-con., brick, plain found., Hill St. $175,000.

Okla., Tulsa — APARTMENT — C. T. Aaronson, Court Arcade Bldg., plans by A. C. Wiser, archt. and engr., Court Arcade Bldg., 6 story, basement, 100 x 140 ft., rein.-con., brick, plain found., Colder St. $31,000. $310,000.

Wash., Seattle—HOTEL—United Hotels Co., F. W. Hull, pres., Olympic Hotel, 10 story, 400 room, rein.-con., brick, steel addition to Olympic Hotel, 5th and University Sts. $1,000,000.

Calif., Berkeley—OFFICE—Mason-McDuffie Co., 2045 Shattuck Ave., plans by E. L. Snyder, 2045 Shattuck Ave., 1 story, basement, rein.-con., Shattuck Ave. $150,000.

Calif., Glendale—THEATRE and SHOP—J. A. Menard, Menard Playhouse, sketches by J. R. Schaffer, 600 South Brand Blvd., 2 story, 90 x 170 ft., rein.-con., incl. auditorium, office, apartments, Brand Blvd. between Maple and Windsor Sts. $150,000.

Calif., Long Beach—HOSPITAL—Sisters of Icarnate Word, plans by I. E. Loveless, Chester Williams Bldg., Los Angeles, 150 bed capacity, rein.-con. $500,000.

Calif., Los Angeles — APARTMENT — R. L. Byrd, 406 San Fernando Bldg., plans by C. Walsh, San Fernando Bldg., 6 story, basement, rein.-con., Rossmore Ave. $175,000.

Calif., Los Angeles—APARTMENT—R. E. Ford, 3757 Wilshire Blvd., plans by L. A. Bryant, 700 South Le Brea Ave., 6 story, basement, 98 x 125 ft., brick, North Vermont Ave. $175,000.

Calif., Los Angeles—HOSPITAL—Monte Sano Sanitarium & Hospital, plans by A. C. Martin, Higgins Bldg., 3 story, basement, sub-basement, 60 x 110 ft., stucco, incl. operating rooms, power plant, 2834 Glendale Blvd. $150,000.

Calif., Los Angeles—OFFICE and SHOW ROOM, etc.—Kittenger Co., 1893 Elmwood Ave., Buffalo, N. Y., 2 story, 35,000 sq.yd. floor space, office and show room, 1 story, 500,000 sq.ft. floor space factory, Industrial St. $500,000 or more. Private plans. H. C. Emmons, 110 Oakland St., Pasadena, local representatives.

Calif., Redlands—HOTEL—R. W. Purpus, 875 Subway Terminal Bldg., plans by E. M. Frasier, 875 Subway Terminal Bldg., Los Angeles, 2 and 3 story, 125 room, Smiley Heights. To exceed $150,000.

Calif., San Diego—APARTMENT—Anderson & Lichty, c/o W. H. Wheeler, archt., Spreckels Bldg., 13 story, basement, 100 x 100 ft., rein.-con., 10th and B Sts.

Calif., San Diego—HOTEL—A. Austin, 420 South St. Andrews Pl., Los Angeles, plans by J. N. Conway, 1619 Brighton Way, Beverly Hills, fireproof, Moonlight Beach. $300,000 or more.

Calif., San Fernando—BOYS HOME—See "Bids Desired."

Calif., San Francisco—APARTMENT—E. Tropp, 105 Montgomery St., San Francisco, plans by D. Stone, 354 Hobart St., Oakland, 14 story, basement, 250 room, Class "A" Pacific Ave. $650,000.

Calif., San Francisco — THEATRE and STORE—S. H. Levin, 1182 Market St., plans by Miller & Pflueger, 580 Market St., 2 story, rein.-con., theatre, 2,000 seating capacity, Ocean Ave. $250,000.

Calif., Santa Monica — HOTEL — C. R. Hamilton, 703 South Manhattan St., Los Angeles, rein.-con. addition to Miramar Hotel. $150,000 or more.

Ont., Toronto — THEATRE — Famous Players Canadian Corp., Royal Bank Bldg., plans by T. W. Lamb, 644-8th Ave., New York, 1 and 2 story, basement, 4,200 seating capacity, brick, stone concrete found., Yonge and Hayter St. $1,500,000.

Que., Outremont — THEATRE—F. Trudeau, theatre, Champaneur Ave. $300,000.

Bids Desired

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Brockton — COURTHOUSE—Aug. 9, by Plymouth Co. Comn., F. T. Bailey, chn., Court House, altering and constructing 2 story, basement, 60 x 100 ft., brick, granite, terra cotta additional, plain found. $250,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts. Noted Mar. 15.

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Hingham — THEATRE, STORE and OFFICE—See "Contracts Awarded."

Mass., Roslindale (sta. Boston)—STORE and OFFICE—P. Basile, 20 Taft Pl., taking bids 2 an 3 story, basement, 30,000 sq. ft. floor space, brick, stone, plain found., Washington and Popular Sts. $155,000. M. E. Levy, 43 Tremont St., Boston, archt. Noted July 19 under "Boston."

Mass., South Boston (sta. Boston)—STORE and OFFICE—S. Ruggiero, 237 Dorchester St., taking bids altering, 2 story, brick addition, plain found., 489 Bway., $150,000. M. J. Mastraangelo, 369 Hanover St., Boston, archt.

Conn., West Haven (br. New Haven)—SCHOOL—Aug. 8, by Town, Bd. Educ., altering and constructing 1 and 2 story, 75 x 224 ft., brick, steel, cast stone addition, incl. auditorium, gymnasium, Main St. $150,000. R. W. Foote, 185 Church St., New Haven, archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—THEATRE—A. L. M. Development Corp., 3145 East 4th St., taking bids general contract 1 story, 85 x 200 ft., brick, steel, Avenue M and East 19th St. $350,000. C. A. Sandblom, 145 West 45th St., New York, archt. Noted Apr. 26.

N. Y., Hollis (mail Jamaica)—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — HOME — Peabody Home Corp., E. K. Warren, pres., 2064 Boston Rd., taking bids general contract 5 story, 41 x 137 ft., brick, timber, Pelham Parkway and Hone Ave. $250,000. Allen & Collens, 415 Lexington Ave., archts. Noted July 19.

N. Y., New York—LOFT—See "Contracts Awarded."

N. Y., Saratoga Springs—BATH HOUSE —Aug. 17, by Commissioner Conservation Dept., Albany, Lincoln Bath House. W. E. Haugaard, 353 Bway., Albany, archt. Noted July 12.

N. Y., Sonyea—INFIRMARY—Aug. 22, by Commissioner Dpt. Mental Hygiene Albany, female infirmary, at Craig Colony, here; adv. E. N.-R. Aug. 2. Noted May 24.

N. Y., Syracuse—WAREHOUSE—Aug. 9, by Flagg Storage Warehouse Co., 300 Canal St., warehouse, Erie Blvd. and Canal St. $150,000. Kingsley Serv., Inc., 103 East 125th St., New York, archts.

N. J., Clifton (Ind. br. Passaic)—APARTMENTS—See "Contracts Awarded."

N. C., Durham—OFFICE—Aug. 20, by R. E. Dillard, pres., 10 story, basement, professional office building, for Union Professional Building Co. $400,000. M. Tardy, Atlanta, Ga., archt.

N. J., Hoboken—BANK—W. Neumann, archt., 40 Journal Sq., Jersey City, taking bids 2 story, basement, 45 x 80 ft., brick, steel, plain found., 4th and Grand Sts., for City Steneck Trust Co., H. Steneck, pres., 95 River St. $150,000. Noted July 19.

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—STORE and APARTMENT—Tube Realty Corp., M. Huppert, pres., 2328 Hudson Blvd., taking bids separate contracts 5 story, basement, 105 x 175 ft., brick, steel, plain found., Summit, Mag-

Buildings—Commercial (Continued)

nolia and West Sts. $200,000. C. Sholowitz, 26 Journal Sq., archt. Noted July 19.

N. J., Morsemere — APARTMENT—See "Contracts Awarded."

N. J., Morristown — HOTEL — H. J. Nurick, archt., 44 Court St., Brooklyn, N. Y., taking bids general contract 3 story, basement, 70 x 140 ft., brick, steel, plain found., Mendham Rd., for Aurora Health Farm. $150,000.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., New Brunswick—APARTMENT—See "Contracts Awarded."

N. J. Nutley—APARTMENT—See "Contracts Awarded."

N. J., Orange—APARTMENT—See "Contracts Awarded."

N. J., Radburn (mail Paterson)—APARTMENT — City Housing Corp., 18 East 48th St., New York, taking sub-bids 3 story, basement, brick, plain found. apartment, playgrounds. $1,000,000. C. E. Stein, H. Wright, R. Kohn, F. Ackerman, 56 West 45th St., New York, archts. Noted Feb. 23.

N. J., Raritan—CASINO and HOTEL—Diglio Democratic Assn., 340 4th St., Jersey City, bids about Aug. 15, 2 story, basement, 125 x 125 ft., brick, steel, plain found., Oak Tree Park. $150,000. P. O. Simeone & Co., Inc., 22 Journal Sq., Jersey City, archts. Noted July 19.

N. J., Red Bank—AUTO SALES ROOM and APARTMENT—V. J. Eck, archt., Broad St., taking bids 2 story, basement, 75 x 100 ft., brick, steel, plain found., Broad St. and Harding Rd., for H. L. Zobel Co., $150,000.

N. J., Ridgefield — BANK — Francisco & Jacobus, archts. and engrs., 511 5th Ave., New York, taking bids general contract 2 story, basement, brick, steel, plain found., Broad and Edgewater Aves. for Ridgefield Natl Bank, Broad Ave. $150,000. Noted June 14.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—See "Contracts Awarded."

N. J., Verona (Ind. br. Montclair)—SANITARIUM—Aug. 17, by Bd. Freeholders Essex Co., G. C. Bergen, purch. agt. Hall of Records, 3 story, basement, rein.-con., steel, brick, plain found., incl. hospital, dormitories, community house, superintendent's garage. $2,000,000. Sutton, & Calkins, 402 Broad St., Newark, archts., Runyon & Carey, 31 Fulton St., Newark, engrs. Noted July 12.

Pa., Bloomsburg—HOSPITAL — Aug. 8, by Bloomsburg Hospital, J. S. John, pres., 214 West Main St., hospital. $250,000. Ballinger Co., 105 South 12th St., Phila., archts. H. C. Wright, 289 4th Ave., New York consult. archt.

Pa., Phila.—APARTMENT—Aug. 8, by G. H. Murphy, archt., 4432 Frankford St., 4 story, basement, 42 x 46 ft., and 56 x 115 ft., brick, steel, plain found., 51st and Woodland Sts., for L. Cantafio, c/o architect. $200,000.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

D. C., Wash.—STORES—Potomac Freight Terminal Co., 4th and D Sts. S.W, bids about Aug. 15, general contract 30 stores, Water St. from 12th to 14th Sts. S.W. $300,000. W. H. Cookman, Penn. R.R. Co., Broad St. Sta, Philadelphia, Pa., archt.

Ind., Indianapolis—Y.W.C.A., 329 North Penn St., taking bids 3 story, basement, 120 x 124 ft., brick, steel, rein.-con. known as P. Wheatly Building, West and Walnut Sts. $160,000. F. S. Cannon, 21 Virginia Ave., archt.

Ind., South Bend—CELL HOUSE—Aug. 13, by Bd. Comrs. St. Joseph Co., new cell house, remodeling St. Joseph Co. Infirmary, German Twp., 3 mi. from here. F. P. Crowe, co. aud.

Mich., Detroit—FIRE HEADQUARTERS—Aug. 14, by H. Brabyn, secy. Bd. Fire Commissioners, Wayne and Larned Sts., 5 stor, basement 120 x 128 ft., rein.-con., brick, steel, stone, plain found., Larned St. $450,000. H. Gehrke, 2457 Woodward Ave., archt.

Mich., Detroit—STORE and WAREHOUSE — Marsh Furniture Co., 6322 Gratiot Ave., taking bids 3 story, basement, 40 x 100 ft., rein.-con., brick, steel, plain found., Gratiot Ave. $150,000. Weston & Ellington, 1507 Stroh Bldg., archts.

Mich., Flint — HOTEL — Malcolmson & Higginbotham, archts., 1219 Griswold St., Detroit, bids about Aug. 8, 3 story, basement, 72 x 130 ft., rein.-con., brick, steel, plain found., for Pierce & Davidson, Capitol Theatre Bldg. $160,000.

Ill., Chicago—HOTEL—Rissman & Hirshfield, archts., 228 North La Salle St., taking bids 3 story, basement, brick, on 40 x 220 ft. site, 3831 Rokeby St., for Rokeby Hotel Co., c/o E. J. Perlberg, 134 North La Salle St. $350,000.

Tex., Laredo — OFFICE — A. M. Bruni, Laredo, taking bids 5 story, basement, 55 x 110 ft., rein.-con., brick, plain found., $150,000. Adams & Adams, Real Estate Bldg., San Antonio, archts.

Tex., Pampa—COURTHOUS7—Aug. 13, by Comrs. Gray Co., T. M. Wolfe, Pampa, judge, 4 story, part basement, 86 x 120 ft., rein.-con., brick, stone, steel, plain found. $300,000. W. R. Kaufman, 1007 Monroe St., Amarillo, archt. Noted June 21.

Calif., Fullerton—CHURCH—Allison & Allison, archts., Hibernian Bldg., Los Angeles, taking bids 1 story, part basement, timber, church, for Methodist Epicopal Church, $150,000.

Calif., Glendale—MUNICIPAL—Aug. 9, by City Council, 6 story, basement, 50 x 140 ft., rein.-con., steel, North Howard St. $160,000. A. F. Priest, Fay Bldg., Los Angeles, archt. Noted June 14.

Calif., Hollywood — APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Santa Ana—STORE and SHOP—See "Contracts Awarded."

Contracts Awarded

Mass., Boston — APARTMENT — Dome Realty Co., S. Rottenburg, 294 Washington St., 5 story, basement, brick, stone, plain found., 1999-2003 Commonwealth Ave., separate contracts. Silverman & Brown, 51 Cornhill, archts.

Mass., Boston — STORE and OFFICE—E. Henderson, 80 West Cedar St., 8 story, basement, 30 x 100 ft., brick, steel, stone, plain found., to E. R. Boyle, 264 Beacon St. Est. $150,000. Former contract rescinded. Noted May 3.

Mass., Braintree (Ind. br. Boston)—HOSPITAL—Bd. Trustees Norfolk Co. Hospital, altering and constructing 2 story, basement, irregular sized, brick, stone addition, plain found., Braintree Heights, to Frankini Bros., 30 Mystic Ave., Medford. Est. $150,000. Noted July 19.

Mass., Brighton (sta. Boston)—APARTMENT—J. Moncher, 4 Maybrook St., Dorchester, 4 story, basement, brick, stone, plain found, 15-17 Lothien Rd., separate contracts.

Mass., Brookline (br. Boston)—APARTMENT—Carlin Bros., 11 Beacon St., Boston, 3 story, basement, 155 x 245 ft., brick, steel, stone, plain found., Beaconsfield and Dean Rds., separate contracts. $350,000. Noted July 26.

Mass., Fall River—THEATRE—W. Durfee, 80 North Main St., and J. M. Darling, archt., 56 North Main St., rebuilding 1 story, basement, 45 x 95 ft., brick, steel, plain found., to Olympia Constr. Co., 333 Washington St., Boston. Est. $200,000. Rialto Amusement Co., N. Yamins, 160 Bank St., lessee. Noted June 28.

Mass., Hingham — THEATRE, STORE and OFFICE—Owner, c/o Krokyn & Browne, archts., 220 Devonshire St., Boston, 2 story, basement, irregular sized, brick, steel, plain found., Main and South Sts., separate contracts. $150,000. Noted June 7.

Mass., Hyde Park (Ind sta. Boston)—WAREHOUSE—Tileston & Hollingsworth Paper Mfg. Co., 211 Congress St., Boston, rein.-con., brick, steel addition, plain found., River St., to M. C. Tuttle Co., Park Sq. Bldg., Boston. Est. $100,000.

Mass., Lowell—WARD and SERVICE—Lowell General Hospital, J. F. Sawyer, treas., Varnum Ave., 45 x 160 ft. ward building, and 55 x 100 ft. service building, both 2 story, basement, brick, plain found., hospital grounds, to J. W. Bishop Co., 109 Foster St., Worcester. Est. $200,000 and $150,000 respectively. Noted July 5.

Mass., North Attleboro — THEATRE, STORE and OFFICE—New England Theatres Operating Co., 19 Milk St., Boston, 2 story, basement, 90 x 125 ft., brick steel, stone, plain found., to A. Piotti Co., 706 Dudley St., Dorchester. Est. $150,000. Noted June 28.

Mass., Watertown—BANK—Watertown Savings Bank, c/o R. C. Sturgis, archt., 120 Boylston St., Boston, 1 and 3 story, basement, brick, steel, limestone, rein.-con., plain found., Watertown Sq., to W. H. Iliffe, 93 North Beacon St. Est. $150,000.

Conn., Hartford — STORE — Sage-Allen Co., 846 Main St., 6 story, brick, steel, 65,000 sq.ft. floor space, to G. Cudemo and Southern New England Constr., Inc., 68 Temple St. Est. $500,000. Noted July 19.

N. Y., Brooklyn — APARTMENT — Kaplan, pres, 248 East 51st St., 6 story, 89 x 130 ft., brick, timber, 15th Ave. and 55th St., separate contracts. $250,000. Shampan & Shampan, 188 Montague St., archts.

N. Y., Brooklyn—APARTMENT—Tacoma Building Corp., J. Tavi, pres., 284 Ave. V, 4 story, 89 x 100 ft., brick, timber, 12th Ave. and 70th St., separate contracts. $150,000. Lama & Proskaner, 391 Fulton St., archts.

N. Y., Brooklyn — THEATRE — Allied Owners Corp., H. A. Marks, 331 Madison Ave., New York, theatre, Pitkin and Barrett Sts., to Thompson-Starrett, 250 Park Ave., New York. Est. $750,000. Noted Apr. 12.

N. Y., Hollis (mail Jamaica)—APARTMENT—Seiteck Building Corp., 191-20 Jamaica Ave., 55 x 107 ft., brick, timber, Woodhull and 191st Sts., separate contracts. $180,000. A. Fahr, c/o owner, archt.

N. Y., New York—APARTMENT—Iron Hill Realty, M. Toonkel, pres., 590 East 161st St., 6 story, 87 x 203 ft., brick, timber, Shakespeare and Jerome Aves., separate contracts. $400,000. Schaefer & Rutkins, 2408 Grand Concourse, archts. Noted July 19.

N. Y., New York—APARTMENT—Minneford Holding Corp., G. Market, pres., 368 East 148th St., 6 story, 86 x 94 ft., brick, timber Morris Park and Hobart Aves., separate contracts. $200,000. Becker & Levy, 1301 Boston Rd., archts. Noted July 19.

N. Y., New York—APARTMENT—Ramol Realty Corp., L. Strum, pres., 17 West 45th St., 6 story, 87 x 100 ft. and 86 x 100 ft., brick, timber, Watson and Manor Sts., separate contracts. $400,000. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts. Noted July 19.

N. Y., New York—APARTMENT—Southern Gardens, Inc., A. Sairnelli, pres., 344 East 149th St., apartment, 147th St. and Southern Blvd., separate contracts. $1,000,000. A. E. Schaefer, 2408 Grand Concourse, archt.

N. Y., New York—LOFT—B. B. Davis, Co., 14 story, brick, 248 Hudson St., separate contracts. $1,000,000. W. Higginson, 101 Park Ave., archt. Noted May 31.

N. J., Clifton (Ind. br. Passaic)—APARTMENTS—Larson Realty Corp., 785 Main Ave., two 3 story, basement, 75 x 110 ft., brick, steel, plain founds., 785-95 Main Ave., separate contracts. $150,000. H. Gerretsen, 118 Passaic Ave., Garfield, archt.

N. J., Irvington (br. Newark)—APARTMENT—N. S. Kapnek, 26 Wolcott Terrace, Newark, 5 story, basement, 70 x 180 ft., brick, steel, plain found., 10-24 38th St., separate contracts. $300,000. A. J. Silberstein, 60 Park Pl., Newark, archt. Noted July 19.

N. J., Morsemere — APARTMENTS—Rigbert Realty Co., North Broad Ave., two 5 story, basement, brick, steel, plain found., North Broad St. and Harriet Ave., separate contracts. $300,000. H. F. Paddon, 55 West 42nd St., New York, archt.

N. J., Newark—APARTMENT—S. Goldberg, 393 South Belmont Ave., 3 story, basement, 90 x 100 ft., brick, steel, plain found., 483-91 Clinton St., separate contracts. $150,000.

N. J., Newark — FIRE HOUSE — Dpt. Parks & Pub. Property, City Hall, 3 story, basement, brick, steel, High St., to D. J. Cronin, 713 South Orange Ave., $92,900.

N. J., New Brunswick—APARTMENT—Eldorado, Inc., 43 Hill St., Newark, 5 story, basement 75 x 100 ft., brick, steel, plain found., 2nd Ave. and Montgomery St., separate contracts. $150,000. Noted July 26.

N. J., Nutley — APARTMENT — Clover Holding Co., 44 Center St., 3 story, basement, 100 x 100 ft., brick, steel, plain found. Clover and Center Sts., separate contracts. $150,000. H. I. Furlong, 44 Center St., archt. Noted July 19.

N. J., Orange—APARTMENT—Bilt-Wel Co., 135 Hill St., 4 story, basement, 95 x 105 ft., brick, steel, stucco, plain found., Whitehall Rd., separate contracts. $150,000. Noted July 26.

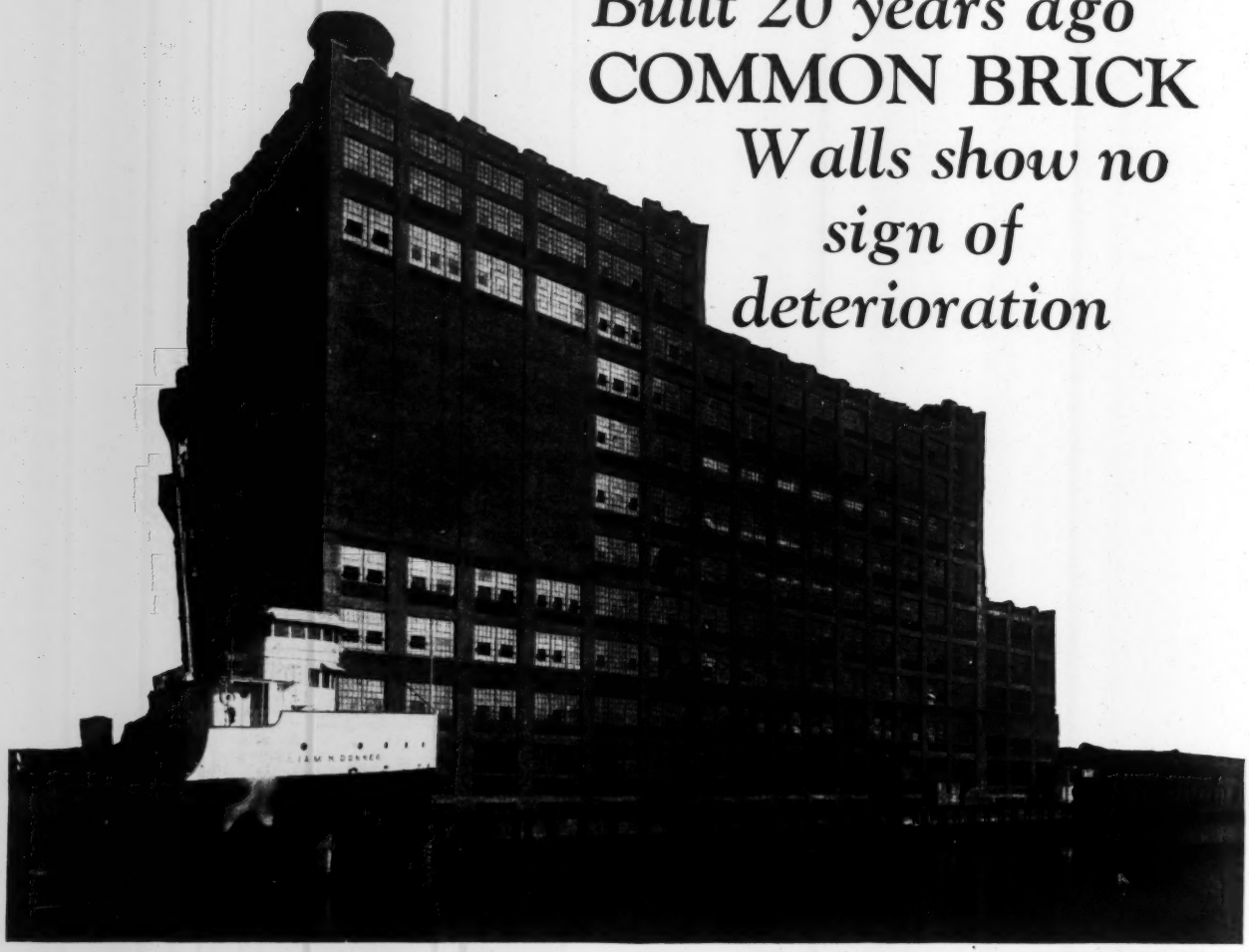
N. J., Ridgewood—CLUB—C. C. Wendehack, archt., 101 Park Ave., New York, general contract 2 story, basement, irregular sized, brick, stucco, plain found., to Adams-Faber Co., 247 Lorraine Ave., Upper Mountclair, for Ridgewood County Club, McKinley Pl., Est. $150,000. Noted June 14.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—M. Merlis, 363 West Jersey Ave., Elizabeth, 3 story, basement, 75 x 100 ft., brick, steel, plain found., East 3rd and Sheridan Aves., separate contracts. $150,000. Noted July 26.

Pa., Duquesne — THEATRE — M. Roth, Terrace Court Apartments, Pittsburgh, 2 story, basement, 120 x 165 ft., brick, steel, to M. Agerman, 811 Rebecca St., Wilkinsburg. Est. $150,000. Noted June 28.

Constr. News page 63

Built 20 years ago COMMON BRICK *Walls show no sign of deterioration*



Water on one side, a dry basement on the other

THE Pugh Terminal Warehouse at North Pier, mouth of the Chicago river, is an excellent example of the permanency of Common Brick. Built 20 years ago is today as good as new.

An interesting point in the construction of this building is that Common Brick was specified in order to save time, as this mammoth building had to be completed within 90 days. The use of brick enabled the contractor to complete the job two weeks ahead of specified time.

Another important feature is the use of brick along the waterfront with a coating of portland cement on the exposed side. This construction has proven absolutely waterproof.

This building averages six stories high on the street side and seven high on the water front, is 1800 feet long by 122 ft. in width.

A great many contractors are specifying Common Brick for buildings of all sorts and the foregoing confirms the wisdom of this trend in building.

This Paper

gives in detail the results of tests made by the Bureau of Standards and shows the strength and other physical properties of various kinds of brick construction work. Write for a copy—no obligation.

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CLEVELAND
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DENVER
1735 Stout Street
DETROIT
400 U. S. Mortgage Trust Bldg.
HARTFORD
226 Pearl Street
NEW YORK CITY
1716 Grand Central Terminal

THE COMMON BRICK MANUFACTURERS ASSOCIATION OF AMERICA
2175 Guarantee Title Building
CLEVELAND, OHIO

BRICK *forever*

At Your Service
These District Association Offices and Brick Manufacturers Everywhere
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112 W. Plume Street
PHILADELPHIA
121 N. Broad Street
PITTSBURGH
702 First National Bank Bldg.
RALEIGH, N. C.
508 Commercial Nat'l Bank Bldg.
ROCHESTER, N. Y.
P. O. Box 773
SALT LAKE CITY
301 Atlas Block
SEATTLE
913 Arctic Bldg.

Buildings—Commercial (Continued)

Pa., Phila. — APARTMENT — Greene & Johnson Corp., c/o Stuskert & Co., archts., 1600 Arch St., 4 story, basement, 200 x 237 ft., rein.-con., brick, steel, plain found., Greene and Johnson Sts., separate contracts. Noted June 21.

Pa., Phila.—APARTMENT—R. A. Robertson, Land Title Bldg., 4 story, basement, 25 x 46 ft., and 40 x 105 ft., brick, steel, plain found., 13th and Lindley Sts., to M. Cohen, Bankers Trust Bldg. Est. $150,000.

Pa., Phila.—MORGUE—Dpt. P. Wks., Bureau City Property, City Hall, 2 story, basement, 90 x 150 ft., brick, stone, plain found., 13th and Wood Sts., to McCormick-Lenham Co., Broad and Tasker Sts., $188,965. Noted June 7.

Pa., Phila.—PROFESSIONAL—Germantown Professional Building Corp., c/o W. H. Lee, archt., 150 Race St., 4 story, basement, 50 x 100 ft., rein.-con., brick, steel, plain found., Greene and Coulter Sts., to Nelson-Pedley Co., Corn Exch. Bldg. Est. $150,000.

Pa., Phila. — WAREHOUSE — Fenton Storage Co., 52nd and Kershaw Sts., 4 story, basement, 112 x 130 ft., rein.-con., brick, plain found., Girard Ave. and 44th St., to Robbins Constr. Co., 1139 North Front St. Est. $400,000.

Pa., Pittsburgh— WAREHOUSE—Carnegie Steel Co., Carnegie Bldg., 1 story, 284 x 307 ft., brick, concrete, steel, Lighthill St. $296,000. Owner builds. Private plans.

D. C., Wash.—HOSPITAL—A. P. Clark, archt., 816 14th St., 8 story, 41 x 100 ft. addition to Emergency Hospital, to A. L. Smith Co., 2525 Penn. Ave. N.W.

Ga., Carrollton—COURTHOUSE—Comrs. 2 story, basement, 70 x 114 ft., brick, steel, rein.-con., plain found., to Carr Constr. Co., Candler Bldg., Atlanta, $147,361. Noted June 14.

Tenn., Memphis—APARTMENT, STORE and GARAGE—W. E. White & Co., 10 South 2nd St., 8 story, rein.-con., brick, on 155 x 213 ft. site, Court Ave. and Manassas St., to S. & W. Constr. Co., Shrine Bldg. Est. $700,000.

O., Cleveland — TERMINAL — Northern Ohio Food Terminal Co., C. Haas, 562 Bway., (1st unit) 2 story, 100 x 480 ft., brick, rein.-con., Croton Ave., to Craig-Curtiss Co., 4614 Prospect Ave. Est. $450,000. Noted June 28.

O., Cleveland — WAREHOUSE — Nickel Plate Development Co., c/o W. J. Bergen, asst. pres., Terminal Tower, 1 story, 50x 261 ft., brick, steel, Commercial Rd., to S. W. Emerson Co., 1836 Euclid Ave. Est. $150,000.

Ind., Indianapolis—WAREHOUSE and OFFICE—Kroger Grocery Co., 230 West McCarthy St., general contract 4 story, basement, rein.-con., brick, steel, East St. Clair St., to W. P. Jungclaus, 825 Massachusetts Ave. Est. $300,000. Noted July 5.

Mich., Detroit—CLUB HOUSE—Old Colony Club of Detroit, G. Godfrey, 420 Book Bldg., 8 story, basement, 80 x 92 ft., rein.-con., brick., plain found., to Walbridge Aldinger Co., Penobscot Bldg. Noted May 10.

Ill., Chicago—APARTMENT HOTEL—D. J. Schaffner, archt., 64 West Randolph St., masonry and carpentry contract 7 story, basement, 50 x 148 ft., to Wahl Constr. Co., 3310 Belmont Ave.; plumbing, to Economy Plumbing & Heating Co., 1308 South Crawford St.; heating, to Adelman Heating Co., 3324 5th Ave., for Chicago Arms, c/o architects. Est. $350,000. Noted June 21.

Ill., Chicago—SALES and SERVICE—Community Motors, Inc., 235 East 33rd St., general contract 2 story, 128 x 176 ft., rein.-con., Madison and LeVergne Sts., to Holton, Seeley & Co., 140 South Dearborn St. Est. $300,000.

Ill., Decatur—EXCHANGE—Holabird & Root, 333 North Michigan Ave., general contract 3 story, basement, 87 x 92 ft., to English Bros., Champaign, for Illinois Bell Telephone Co., c/o architects. Noted June 21.

Ill., Joliet—OFFICE and STORE—H. V. Von Holst, archt., 77 West Monroe St., Chicago, general contract 4 story, basement, 75 x 150 ft., to Hansen & Peterson Co., Joliet, for Pub. Serv. Co. of Northern Illinois, 72 West Adams St., Chicago. Noted June 21.

Wis., Milwaukee—OFFICE—Water-Wisconsin Holding Co., 196 West Water St., general contract 14 story, basement, 112 x 120 ft., Wisconsin and East Water Sts., to Lundorff & Bicknell Co., 180 North Michigan Ave., Chicago, Ill.

Minn., Faribault—HOTEL—Harvey Hotel Co., c/o T. J. Harvey, general contract 4 story, basement, rein.-con., brick, stone, to Madsen Constr. Co., 618 National Bldg., Minneapolis. Est. $250,000. Noted July 5.

Minn., Minneapolis—Minneapolis Y. W. C. A., C. C. Webber, chn. building com., 87 South 7th St., general contract 8 story, basement, rein.-con., brick, stone 12th St. and Nicollet Ave., to H. N. Leighton Co., 127 South 10th St. Est. $600,000. Noted July 12.

Ia., Oskaloosa — HOSPITAL — Mahaska Co., general contract 4 story, 42 x 124 ft., brick, concrete, to Jones Constr. Co., Oskaloosa, $108,450. Est. $150,000. Noted May 24.

Neb., Omaha—GARAGE—E. R. Porter, 324 Brandies Theatre Bldg., 3 story, basement, 146 x 198 ft., rein.-con., brick, to Parsons Constr. Co., Grain Exch. Bldg., $150,000. Wetherell Motor Co., c/o W. H. Wetherell, 20th and Harney Sts., lessee. Noted June 7.

Neb., Omaha — OFFICE — Union Pacific R. R. Co., H. E. Mann, ch. engr., general contract 12 story, basement, 64 x 132 ft., rein.-con., brick, steel addition, to John Lof & Sons, 4012 Lake St. Est. $1,000,000. Noted June 26.

Mo., St. Louis—APARTMENT—Dubinsky Realty Co., 504 Wainwright Bldg., 3 story, basement, rein.-con., brick, terra cotta, to J. Rubin & Sons, 904 Chestnut St. Est. $175,000. Noted June 14.

Mo., St. Louis—STORE and LOFT—Marquette Investment Co., c/o T. H. Glancey, 4430 West Pine Blvd., 10 story, basement, 106 x 150 ft., rein.-con., brick, terra cotta, 18th and Washington Sts., to McKelvey-Carter Constr. Co., 3800 West Pine St.

Ark., Rogers—HOTEL—S. A. Lane, c/o Gleason Hotel, Little Rock, 5 story, 40 x 81 ft., rein.-con., terra cotta, to G. F. Hentschel, Springfield, Mo. Est. $200,000. Noted June 21.

Tex., Dallas—DEPARTMENT STORE—Titche-Goetinger Co., E. Titche, pres., 8 story (ultimately 16 or 18 story) 125 x 200 ft., rein.-con., to Watson Co., 1927 South Akard St., $1,000,000. Noted July 26.

Tex., Houston — HOTEL — Warwick Apartments, remodeling, Main and Herman Sts., to Don Hall, Cotton Exch. Bldg., $150,000.

Tex., Point Isabel—HOTEL—F. M. Bartholomew, 5434 North Penn St., Indianapolis, Ind., 5 story, basement, 100 x 120 ft., rein.-con., steel, plain found., to Puget Sound Bridge & Dredging Co., Puget, Wash. $250,000.

Wash., Everett — STORE — M. J. Rumbaugh, 3 story, basement, steel, concrete, brick, terra cotta, Wetmore and California Aves., to A. D. Belanger, Everett. Est. $250,000.

Calif., Glendale — OFFICE — Glendale Professional Holding Co., 6 story, 50 x 140 ft., rein.-con., marble, tile, Central and Salem Sts., to J. T. Bibb, 214 North Brand Blvd., $260,000. Noted July 19.

Calif., Hollywood — APARTMENT—I. Messenger, 854 Formosa Ave., 4 story, basement, 50 x 180 ft., brick, day labor and sub-contracts. $150,000. O. Coldewe, 8271 Melrose Ave., archt.

Calif., Los Angeles—APARTMENT—J. L. Altman, 5 story, basement, brick, steel, Pelisser Sq., to A. Bard & Co., 1014 Pacific Natl. Bank Bldg., $170,000.

Calif., Los Angeles — APARTMENT — R. E. Ford, 3757 Wilshire Blvd., 6 story, 97 x 123 ft., rein.-con., Vermont and Ambrose Aves., sub-contracts. $165,000. Noted May 4.

Calif., Los Angeles — APARTMENT — M. L. Gleize, 5 story, basement, brick, steel, North Van Ness Ave., to J. Fiske Co., Hibernian Bldg., $155,000.

Calif., Los Angeles—APARTMENT—P. J. Johnson, 4 story, basement, 60 x 141 ft., timber, 1848 North Gramercy Pl., to Chute Finance & Constr. Co., Inc., 105 East Palmer St., Glendale, $160,000. Noted June 21.

Calif., Los Angeles — APARTMENT — J. H. Layton, 780 East 37th St., 7 story, basement, 93 x 118 ft., rein.-con., tile, Carondelet St. and Ocean Ave., sub-contracts. $275,000.

Calif., Los Angeles — APARTMENT — Landon & Clarke, 4350 Beverly Blvd., 8 story basement, rein.-con., steel, West 2nd St., to Olerich, 4414 West 2nd St., $300,000.

Calif., Los Angeles—APARTMENT—N. Rosefelt, 406 San Fernando Bldg., 6 story, 51 x 120 ft., rein.-con., timber, Rossmore and Rosewood Aves., to R. L. Byrd, 406 San Fernando Bldg., $175,000.

Calif., Los Angeles—HOTEL—Owner, c/o D. C. Powell, archt., 686 South Alvarado St., sketches 9 story, 53 x 130 ft., rein.-con., tile, Alvarado St., sub-contracts. $250,000.

Calif., Los Angeles—STORE and OFFICE—S. C. Lee, archt., Petroleum Securities Bldg., 4 story, basement, 110 x 115 ft., brick, steel, to Baruch Corp., Lincoln Bldg., for L. B. Mayer, et al. $185,000. Noted June 7.

Calif., Oakland — APARTMENT — R. J. Blanco, Howden Bldg., 7 story, steel, concrete, Lakeshore Blvd., to T. J. Keenan, 386 15th St., $300,000. Noted July 19.

Calif., Oakland—OFFICE—Summit Medical Building, Inc., 5 story, basement, rein.-con., 29th and Summit Sts., to K. E. Parker, 135 South Park St., San Francisco, $200,000.

Calif., Sacramento—HOTEL and STORE—R. Rasmussen, 4224 Stockton Blvd., 5 story, basement, 150 room, rein.-con., 6th and J Sts., to Campbell Constr. Co., 800 R St., $175,000. Noted May 17.

Calif., San Francisco — BANK and OFFICE—Hibernian Bank, Jones and McAllister Sts., 1 story, rein.-con., to Harrett & Hilp, 918 Harrison St., $150,000. Noted July 19.

Calif., Santa Ana—STORE and SHOP—Santora Land Co., 2 story, basement, 110 x 150 ft., brick, steel, rein.-con., Bway. and 2nd Sts., day labor and sub-contracts. $150,000.

Buildings—Industrial

Proposed Work

Conn., New Britain—PLANT—Fafnir Bearing Co., Booth St., 6 story, plant.

Conn., Waterbury — FACTORY—Bristol Co., Platts Mills, sketches by F. A. Webster, 51 West Main St., altering and constructing brick addition. $40,000 or more.

N. Y., Brooklyn—SERVICE GARAGE—Hoff Impvt. Co., S. Cohn, pres., 44 Court St., plans by B. A. Glassman, 44 Court St., 1 story, 100 x 131 ft., brick, concrete, Boardwalk and Neptune St. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—A. McKlein, 1035 Rockaway Ave., plans by Kavy & Kavovitt, 350 Stone Ave., 100 x 100 ft. service garage. $50,000.

N. Y., Brooklyn—SERVICE GARAGE—T. Rossa, 421 Rochester Ave., plans by R. Driesler, Jr., 153 Remsen St., 1 story, 99 x 100 ft., brick, concrete, Rochester and East New York Aves. $40,000.

N. J., Perth Amboy—FACTORY—D. Goldsmith, c/o G. M. Ricci, archt., 224 Smith St., sketches altering and constructing 2 story, basement, 60 x 75 ft. brick, steel addition, plain found., East Ave. $40,000.

N. Y., New York—SERVICE GARAGE—W. Schwere, 1242 Mayflower Ave., bids in August or September, service garage, Seabury and Westchester Aves. $60,000. J. J. Dunegan, 2382 Grand Concourse, archt. Noted July 19.

N. Y., New York—SERVICE GARAGE—Harnet Realty Co., 250 West 57th St., soon takes bids 2 story, 100 x 125 ft., brick, concrete, Westchester and Pugsley Aves. $62,500. Cohen & Siegel, 45 West 57th St., archts. Noted July 19.

N. Y., New York—FACTORY, STORAGE, STORE—Rector, Church Wardens & Vestrymen Trinity Church, G. C. Crane in charge, 72 Wall St., plans by F. Parker, 119 West 57th St., brick, steel, 73 Varick St. and 431 Canal St. $6,000,000.

Md. Fairfield (sta. Baltimore)—PLANT, etc.,—Asiatic Petroleum Co., 65 Bway., New York, has acquired 46 acres, and plans plant, incl. asphalt plant and fuel oil storage tanks; docking facilities are to be provided, channel dredged from main ship channel to permit large tankers to dock, $1,000,000.

O., Cleveland—FACTORY and BOILER HOUSE—Eaton Axle & Spring Co., C. I. Ochs, pres. and genl. mgr., East 65th St. and Central Ave., plans by G. S. Rider Co., Century Bldg., 120 x 340 ft. factory, 36 x 60 ft. boiler house, both 1 story, brick, steel, East 140th St. $175,000.

O., Cleveland—FACTORY—Grabler Mfg. Co., M. C. Rosenfeld, vice pres., 6565 Bway., plans by Christian, Schwarzenberg & Gaede, 1900 Euclid Bldg., 1 story, 35 x 80 ft., brick, steel addition. $40,000.

O., Cleveland — FACTORY — Thompson Products Co., C. W. Miller, vice-pres. and genl. mgr., 2196 Clarkwood Rd., plans by Roberts-Wright Co., Swetland Bldg., addition. $125,000.

O., Cleveland — WAREHOUSE OFFICE and PATTERN SHOP—U. S. Aluminum Co., c/o R. C. Wilson, 2210 Harvard Ave. 5 story, basement, 68 x 138 ft., rein.-con., brick, 2210 Harvard Ave. $150,000. Private plans.

O., Cleveland — FACTORY — Willard Storage Battery Co., R. C. Norber, pres. and genl. mgr., 246 East 131st St., 1 story, 64 x 212 ft. brick, steel, 246 East 181st St. $100,000. Private plans.

O., Painville — LIGHT PLANT — City soon takes bids addition to light plant, incl. boiler, stoker, auxiliary equipment. $100,000.

Ind., Alexandria—FACTORY — Aladdin Mfg. Co., 601 West Lake St., Chicago, Ill., steel, plain found., western section city.

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Buildings—Industrial (Continued)

Ind., Indianapolis—SHOPS—Carter-Richards Co., archts. and engrs., Engineers Bldg., Cleveland, O., soon lets contract 50 x 56 ft. carpenter shop addition, 50 x 100 ft. lumber shed, 50 x 50 ft. brass foundry, 40 x 80 ft. core room addition, 37 x 40 ft. sand bin addition, 40 x 50 ft. pattern shop, two 36 x 100 ft. flash building additions, all 1 story, for Federal Foundry Co., 502 South Harris St. $225,000.

Ill., Chicago—FACTORY—A. Epstein, archt., 2001 West Pershing Rd., soon takes bids 1 and 2 story, 300 x 305 ft., brick, 47th St. and South St. Louis Ave., for Indestro Mfg. Co., 2650 Coyne St. $800,000.

Tex., San Benito—POWER PLANT—Central Power & Light Co., Frost Bldg., San Antonio, improving plant, incl. 10,000 k.w. turbo-generator unit, 11,500 volt bus system, spray pond, 35,000 gal. per min. capacity, complete evaporator equipment, $150,000. Private plans.

Texas and New Mexico—COTTON GIN PLANTS—Globe-El Paso Cotton Co., c/o D. W. McComas, secy. mgr., Old Ft. Bliss or El Paso, 8 cotton gin plants between Ft. Hancock, Tex. and Las Cruces, N.M., $200,000. Private plans.

Okla., Maud—FOUNDRY and SHOP—Amer. Fdry. Co., sketches foundry and machine shop. $40,000. Private plans.

Wash., Seattle — FACTORY — Egyptian Lacquer Mfg. Co., John Davis & Co., agts., 807-2nd St., soon takes bids 2 story, 60 x 160 ft., concrete, steel, 1st South and Lander Sts. $250,000.

California—MATCH FACTORY—T. A. Box, et al., 63 Sunshine St., Sausalito, match factory, San Mateo Co. To exceed $500,000.

Calif., Berkeley—FACTORY—Calif. Electric Refrierationg Corp., Jerrold Ave. and Napoleon St., San Francisco, 1 story, steel, corrugated iron, 5th St. $40,000. Private plans.

Calif., Los Angeles—FILM PLANT—Christie Film Co., c/o Austin Co. of California, archts., 777 East Washington St., 63 x 65 ft. monitor, 76 x 106 ft. stage, and 56 x 64 ft. recording buildings, all 1 story, brick, steel, concrete, Romaine Ave.

Calif., Los Angeles—GARAGE—J. Toplitzky, H. Hellman Bldg., sketches by K. MacDonald, Jr., Spring-Arcade Bldg., 12 story, basement, 75 x 155 ft., rein.-con., Hill St.

Calif., Oakland — DISTRIBUTING PLANT—Union Oil Co., Mills Bldg., San Francisco, 3 buildings, incl. fire walls, tanks, pipe lines. $100,000. Private plans.

Calif., Richvale—PULP and PAPER PLANT—Pacific Coast Pulp & Paper Co., C. A. Kieren, mgr. constr. Clunie Hotel, Sacramento, 66 x 225 ft. concrete steel main building, 32 ft. high, 32 x 75 ft. digester building, 45 ft. high, 60 x 240 ft. recovery plant, 24 ft. high, 50 x 80 ft. boiler plant, concrete smoke stack 150 ft. high, water tank 100 ft. high, 60,000 gal. capacity, $1,000,000. P. Swan, Lewis Bldg., Portland, Ore., engr.

Calif., Sacramento—FACTORY, PRINTING PLANT and WAREHOUSE—Zellerbach Paper Co., 1213 Front St., rebuilding 3 story, 30,000 sq.ft. floor space, 1213 Front St., recently destroyed by fire. $175,000.

Calif., San Francisco—COLD STORAGE TERMINAL—State sketches cold storage terminal, waterfront $2,000,000. F. G. White, State Harbor Comn., Ferry Bldg., ch. engr.

Calif., San Jose—MARKET BUILDING—V. Challen, et. al, 600 South 3rd St., plans by W. H. Weeks, 111 Sutter St., San Francisco, 2 story, brick, Santa Clara St. $150,000.

Calif., Santa Monica — NEWSPAPER PUBLISHING PLANT—Santa Monica Outlook plans by F. D. Rutherford, Mills-Fraser Bldg., 1 story, basement, 100 x 150 ft., rein.-con., 4th and Bway. Sts. $100,000.

Que., Montreal—PLANT—Carling Breweries Ltd., C. Burns, mgr., London, Ont., bottling plant, Bowman St. $250,000.

Ont., Galt — PRESS ROOM — Galt Art Metal Co., 1 story, 60 x 150 ft., brick, concrete steel, concrete found., Dundas St. $40,000.

Ont., Hamilton — DRY CLEANING PLANT and OFFICE—Langleys Ltd., 253 Spadina Rd., rein.-con., brick, steel, plain found., Main St. $200,000. Engineer and architect not selected.

Bids Desired

Mass., Cambridge (br. Boston)—AUTO PARTS—See "Contracts Awarded."

Mass., Charlestown (sta. Boston)—MILK PLANT—H. P. Hood & Sons, 494 Rutherford Ave., taking bids 3 story, 175 x 285 ft., brick, rein.-con., plain found., Rutherford Ave. Kilham, Hopkins & Greely, 9 Park St., Boston, archts. Monks & Johnson, 99 Chauncy St., Boston, engrs. Noted June 14.

Mass., Lynn—NEWSPAPER PLANT—Sanborn & Weed, archts., Item Bldg., taking bids 2 story, 65 x 105 ft., brick addition, plain found., for North Shore News, 52 Exchange St. $40,000.

Mass., Lynn — POWER HOUSE — See "Contracts Awarded."

N. Y., Comstock—SHOP—Aug. 8, by Commissioner Dpt. Correction, Albany, steel shop buildings at Great Meadow Prison; adv. E. N.-R. Aug. 2.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—L. Silver, 391 East 149th St., taking bids 2 story, 150 x 180 ft., brick, rein.-con., Fordham Rd. and Bathgate Ave. $50,000. Cohen & Seigel, 45 West 57th St., archts. Noted July 19.

N. Y., New York—SERVICE GARAGE—J. L. Grubel, 80 Maiden Lane, taking bids separate contracts 2 story, 100 x 200 ft., brick, rein.-con., 157th St. and Cromwell Ave. $85,000. N. Langer, 81 East 125th St., archt. Noted July 19.

N. J., Camden — MANUFACTURING—Aug. 6, by Lackey & Hettle, archts., 5 Hudson Ave., Camden, 3 story, basement, 52 x 150 ft., and 50 x 120 ft., brick, 2nd and Mickle Sts., for C. K. Cook Co., 211 South 2nd St. $80,000.

N. J., Plainfield—FACTORY—A. M. Korff, archt., 203 Park Ave., taking bids, general contract (selected list of contractors) 1 story, basement, 55 x 100 ft., brick, steel, plain found., North Ave. and Neatherwood St., for Owner, $40,000.

N. J., Westfield—FACTORY, OFFICE and STORE—H. V. Trevenen, archt., taking bids general contract 3 story, basement, 38 x 100 ft., brick, plain found., Quimby St., for M. Oldford, $40,000.

Pa., Spring Mills (mail William Penn)—MILL—Aug. 6, by W. Steele & Sons Co., engrs., 15th and Cherry Sts., Phila., 1 story, basement, 102 x 153 ft., rein.-con., brick, steel, plain found., Penn Ave., for Howard Hisiery Co. $75,000.

D. C., Wash.—SERVICE STATION—Aug. 3, by C. B. Raffer, consult. engr., Barr Bldg. service station, Bladensburg Rd. and Neal St., for International Harvester Co. of America, 606 South Michigan Blvd., Chicago, Ill. $100,000. E. A. Adt, Barr Bldg., 912 17th St., designer.

O., Columbus — FACTORY — Armstrong Finance Co., London, M. B. Armstrong, pres., taking bids factory, 60,000 sq.ft. floor space, Flenniken Rd. $135,000. Private plans.

Mich., Flint—PATTERN SHOP—Aug. 6, by H. E. Beyster, engr., c/o Fisher Body Corp. owner) 2 story, 75 x 300 ft., brick, steel, concrete, plain found. $150,000.

Ont., Toronto—FACTORY—D. Brouse, engr., 510 King St., E., taking bids 1 story, part basement, 100 x 400 ft., brick, steel, plain found., Coxwell Ave., for Service Station Equipment Co., 510 King St. E. Est. $200,000.

P. E. I., Charlottetown—WAREHOUSE Aug. 3, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., frostproof warehouse. $40,000.

Contracts Awarded

N. H., Keene — FACTORY — Kingsbury Machine Co., Myrtle St., 2 story, brick addition, plain found., to G. W. Scott, 28 Washington St.

Mass., Cambridge (br. Boston)—AUTO PARTS—J. Shapiro, 27 School St., Boston, altering and constructing 2 story, 30,000 sq. floor space, rein.-con., brick, steel additional unit, plain found., Vassar St., separate contracts. Chevrolet Motor Co., 277 Massachusetts Ave., lessee.

Mass., Canton—FACTORY—Edison Electric Illuminating Co., 39 Boylston St., Boston, altering and constructing 2 story, basement, brick addition, plain found., to Reynolds Bros., Inc., 179 Summer St. Est. $40,000.

Mass., Lynn—POWER HOUSE—General Electric Co., 920 Western Ave., altering and constructing 2 story, rein.-con., brick, steel addition, plain found., at River Works, separate contracts. Private plans.

Mass., Northampton—BOILER HOUSE, etc.—Cooley-Dickinson Hospital, 30 Locust St., 1 story, brick boiler house and central heating plant, plain found., to M. I. O'Connor, 184 North Elm St. Est. $40,000 or more. Noted July 19.

N. Y., Firtheliffe—YARN MILLS—Lockwood Greene & Co., archts. and engrs. 1 Pershing Sq., New York, general contract 4 story, basement, 55 x 158 ft., rein.-con., brick, caisson and sheet piling found., to John J. Turner & Sons, Amsterdam, for Firth Carpet Co. Est. $100,000. Noted July 12.

N. Y., Long Island City—SERVICE GARAGE—Stores Building Corp., 463-7th Ave., New York, plans by Shampan & Shampan, 188 Montague Ave., Brooklyn, 1 and 2 story, 97 x 180 ft., brick, concrete, 38th St. and 43rd Ave. $180,000.

N. Y., New York—PRINTING PLANT—New York Life Insurance Co., S. P. Kingsley, 346 Bway., plans by N. T. Anthony, 19 West 44th St., 10 story, 75 x 98 ft., brick, steel, 421 1st Ave. $390,000.

N. Y., New York—CANDY and ICE CREAM MANUFACTURING—W. J. Carlin, 234 West 78th St., plans by G. F. Mitchell, 959 Madison Ave., 3 story, 25 x 86 ft., brick, timber, 236 West 78th St. $40,000.

N. Y., New York—MANUFACTURING, LOFT and STORAGE—Harley Realty Corp., I. Chaitin, pres., 121 West 27th St., plans by Sugarman & Burger, 345 Madison Ave., 4 story, 58 x 64 ft., brick, 201 West 29th St. $100,000.

N. Y., New York—SERVICE GARAGE—M. Building Corp., N. Gass, pres., 505 Tremont Ave., plans by Glick & Dumas, 400 Fordham Rd., 2 story, 75 x 100 ft., Jackson Ave. and St. Mary's St. $50,000.

N. Y., New York—SERVICE GARAGE—Mindor Development Corp., S. Witkins, pres., 11 West 42nd St., plans by M. Klein, 65 Court St., Brooklyn, 1 story, brick, concrete, off Delancey St. $65,000.

N. Y., Olean—FACTORY—Olean Tile Co., 1 story, 50 x 362 ft., 96 x 105 ft., and 161 x 260 ft., brick, steel buildings, to A. A. Lane Constr. Co., 1869 East 55th St., Cleveland, O. Est. $300,000.

N. J., Elizabeth—FOUNDRY and CRANE—F. L. Smidth & Co., 50 Church St., New York, general contract 1 story, 20 x 50 ft., brick, steel, foundry addition, 64 ft. crane extension to C. Flocken, 681 Newark Ave. Est. $40,000. Noted June 7.

Pa., Aliquippa—LAUNDRY—J. F. Bontimpo, archt., general contract 1 and 2 story, basement, 80 x 100 ft., brick, steel, to Franklin Lumber & Contg. Co., Aliquippa, for Woodlawn Laundry Co. Est. $40,000. Noted July 5.

Md., Dundalk (br. Baltimore)—FACTORY—Central Fdry. Co., 1 story, 40,000 sq.ft. floor space addition. $40,000.

Va., Clifton Forge—SHOPS—See "Railways" under "West Virginia."

Va., Richmond—SHOPS—Chesapeake & Ohio Ry. Co., C. W. Johns, ch. engr., pending $1,000,000, shop improvements.

W. Va., Hinton—SHOPS— See "Railways" under "West Virginia."

W. Va., Huntington—SHOPS—Chesapeake & Ohio Ry. Co., Richmond, Va. C. W. Johns, ch. engr., expending $3,500,000, extending repair shops.

Ga., Shannon (mail Plainview)—WAREHOUSES—Southern Brighton Mills Co., three 1 story, 153 x 558 ft., brick, steel, concrete, to A. K. Adams & Co., 542 Plum St., Atlanta.

La., Shreveport—GARAGE—C. A. Parker, 533 Vine St., 3 story, rein.-con., brick, steel, 311 Edwards St., to H. C. Bellows, 208 Edwards St. Est. $125,000.

O., Ashtabula—FACTORY and MACHINE SHOP—Aetna Rubber Co., H. J. Kappler, vice pres. and genl. mgr., 815 East 79th St., 60 x 180 ft. factory, and 50 x 113 ft. machine shop, both 1 story, brick, steel, to Webster Constr. Co., Ashtabula. Est. $125,000. Noted July 12.

O., Cleveland—FACTORY — Astrup Co., 2937 West 25th St., 1 story, 59 x 165 ft., rein.-con., brick addition, to Natl. Concrete Fireproofing Co., Union Mortgage Bldg. Est. $50,000.

O., Cleveland—FACTORY and OFFICE—Federal Fdry. & Supply Co., L. H. Hart, secy.-mgr., 2639 East 79th St., 1 story, 90 x 260 ft., brick, steel, East 71st St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Est. $125,000.

O., Cleveland—SUB-STATION—Cleveland Electric Illuminating Co., 75 Public Sq., 2 story, basement, 58 x 59 ft., brick, steel, concrete, 1320 West 25th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $90,000. Noted July 19.

O., Cincinnati — FACTORY — Leschner Paper Co., Harrison and State Sts., 2 story, basement, rein.-con., brick, plain found., State St., to Ferro Concrete Co., Elm St., $68,000.

Ind., Evansville — FACTORY — Graham Paige Co., ten 1 story, 90 x 240 ft. rein.-con., brick, steel, Columbus Ave., to M. J. Hoffman Constr. Co., 403 Furn Bldg. Est. $500,000.

Ind., Ft. Wayne—FACTORY—Natl. Mill Supply Co., general contract brick, steel, 207 East Columbia St., to Olds Bros., 1213 1st Natl. Bank Bldg. Est. $40,000.

Ind., Mishawaka — PLANT — Mishawaka Dairy Co., general contract 2 story, 37 x 54 ft., rein.-con., brick, steel, 724 South Main St., to P. Schumaker, 323 West 4th St. Est. $75,000.

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Buildings—Industrial (Continued)

Mich., Detroit — FACTORY — Graham Paige Motor Car Co., 8505 West Warren Ave., group buildings all 1 story, rein.-con., brick, steel, plain founds., West Warren Ave., to M. J. Hoffman Constr. Co., 7147 West Warren Ave.

Ill., Aurora — FACTORY — Trindl Corp., 2917 Wabash Ave., Chicago, general contract 1 story, basement, 125 x 235 ft., brick, stone, to C. W. Linder, Aurora. Est. $55,000.

Ill., Chicago—BAKERY—Bremner Bros., 907 Forquer St., masonry and carpentry contract 6 story, 56 x 103 ft., brick, 911-13 Forquer St., to W. G. McNulty, 52 West Washington St., Est. $110,000.

Wis., Milwaukee—TERMINAL, WAREHOUSE and DOCK—Goodrich Transit Co., C. L. Dunlop, genl. agt., foot Michigan St., general contract 1 story, 125 x 400 ft., Ferry St., to W. G. Williams, 352 Jackson St.

Ia., Clinton—FACTORY—A. H. Morrell, archt., 508 Western Bldg., 3 story, 82 x 150 ft., brick, cut stone, to W. L. Yokum, 730 Main St., Dubuque, $76,000.

Neb., Gering — ROUNDHOUSE, etc. — Union Pacific R.R. Co., G. J. Adamson, ch. engr., Omaha, 5 stall, brick, concrete roundhouse, 1 story, 26 x 34 ft., brick boiler room, 1 story, 25 x 74 ft., brick machine shop, 12 x 13 ft. office addition, 16 x 24 ft. corrugated iron coal bin, 20 x 40 ft. store room, 28 x 30 ft. wash-out building, to T. J. Allen, Scottsbluff. Est. $150,000. Noted June 7.

Mo., Fulton — MANUAL TRAINING SHOPS—Missouri School for Deaf, H. E. Day, supt. general contract 3 story, 48 x 98 ft., brick, concrete to W. R. Odor & Son, Canton $39,910.

Mo., St. Louis — AUTO SERVICE and SALES—Ayers Auto Co., 4706 Washington Blvd., 2 story, basement, 97 x 130 ft., rein.-con., brick, 820 Cass Ave., to E. A. Steininger Constr. Co., 4829 Easton St.. Est. $60,000.

Mo., St. Louis—FACTORY—Gruendler Patent Crusher & Pulverizer Co., 320 North 4th St., 1 and 2 story, 98 x 162 ft., concrete, brick, 2915 North Market St., to Acme Constr. Co., 1782 Ry. Evch. Bldg. Est. $40,000.

Calif., Los Angeles—LAUNDRY—City Towel Supply Corp., 415 East 6th St., 2 and 4 story, 100 x 102 ft., rein.-con. (flat slab type), La Brea Ave., to Easton & Nesser, 323 South Western Ave., $88,090.

Calif., Los Angeles — FACTORY—Califelt Mfg. Co., 615 McKee St., 3 story, 22 x 176 ft., steel, corrugated iron addition, McKee St., to J. M. Cooper, Rives-Strong Bldg., cost plus 10% basis.

Calif., Los Angeles—FACTORY—Mason Mfg. Co., 858 East 60th St., 1 story, mezzanine, 120 x 223 ft., brick, steel, 858 East 60th St., to Austin Co. of California, 777 East Washington St. $50,000.

Calif., San Francisco—BAKING PLANT —International Baking Co., c/o Bliss & Fairweather, archts., Balboa Bldg., 2 story, rein.-con., Alameda and Bryant Sts., to MacDonald & Kahn, Financial Center Bldg., $150,000.

Ont., Hamilton — GARAGE — Connaught Motor Sales, 79 Main St. E., 2 story, basement, rein.-con., brick, steel, plain found., Main St. E., to H. C. Gummo, 503 Aberdeen Ave. Est. $150,000.

Buildings—Educational, Religious

Proposed Work

Mass., Brookline (br. Boston)—SCHOOL —Town, O. C. Gallagher, supt. schools, sketches by W. B. Coffin, 120 Boylston St., Boston, probably 2 story, basement, brick, plain found., Francis St. $150,000 or more.

Mass., Lexington—CHURCH—St. Bridget's Roman Catholic Church, W. J. McCarthy, pastor, 559 Massachusetts Ave., sketches by E. T. P. Graham, 171 Newbury St., Boston, 1 or 2 story, basement, brick, plain found., Follen St. $150,000 or more. Noted July 5.

Mass., Melrose (Ind. br. Boston)—SCHOOL—City, H. H. Stuart, supt. schools, Main St., sketches by C. R. Greco, 11 Beacon St., Boston, altering and constructing 2 story, basement, brick, additions to Lincoln and Wyoming Schools, plain founds. $180,000. Noted July 5.

Conn., East Hartford (br. Hartford) HIGH SCHOOL Town, R. R. Powers, chn. building com., plans by Whiton & McMahon, 805 Main St., Hartford, altering and constructing 8 room brick, steel, addition, incl. gymnasium. $200,000.

Conn., Waterbury — NURSES' HOME—Waterbury General Hospital, C. Lee, supt., plans by F. A. Webster, 51 West Main St., brick, steel, Robbins Ave. $150,000.

N. Y., Brighton (Ind. sta. Rochester)—SCHOOL—Brighton School Dist. 6, C. E. Salter, pres., 589 Monroe Ave., Rochester, plans by L. Stern, 315 Alexander St., Rochester, 75 x 100 ft., East Ave. $200,000. Noted Jan. 5, 1927.

N. Y., Brockport—HIGH SCHOOL—Central School Dist., A. Blossom, chn., sketches by L. Stern, 315 Alexander St., Rochester, 3 story high school. $400,000.

N. Y., Buffalo—SCHOOLS—Bd. Educ., 900 Genesee Bldg., plans by E. Crimi, Genesee Bldg., addition to School 48, incl. auditorium, gymnasium, cafeteria, manual training, domestic arts, Edna Pl. near Masten St., $220,000; Standard Elementary School, 1711 Abbett Rd., $500,000; Boys' Continuation School, East Ferry St. near Kehr St. $500,000.

N. Y., Monroe—SCHOOL—Bd. Educ. plans by F. W. Wentworth, 140 Market St., Paterson, N. J., 3 story, basement, brick, steel, plain found. $150,000. Noted May 17.

N. Y., New York—SCHOOL—Church of Holy Family, 1071 Castle Hill Ave., plans by M. Hausle, 3307 3rd Ave., 4 story, brick, Blackrock and Castle Hill Aves. $350,000.

N. Y., Rochester—PHYSICAL EDUCATION—University of Rochester, R. Rhess, pres., 11 Prince St., sketches by Gordon & Kaelber, archt. and engrs., 311 Alexander St., 2 story, basement, on campus. $350,000.

N. J., Hasbrouck Heights — HIGH SCHOOL — Bd. Educ., Administration, Bldg., sketches by A. E. Dore, McFadden Bldg., Hackensack, 3 story, basement, brick, steel, plain found. $350,000. Noted July 19.

N. J., Ridgewood—SCHOOL—Church of Our Lady of Mount Carmel, c/o Fanning & Shaw, archts., 49 Ward St., Paterson, 2 story, basement, brick, steel, plain found., Passaic St. $150,000. Noted June 21.

N. J., Riverdale (mail Westwood) — SCHOOL—Bd. Educ., Boro Hall, sketches by Rasmussen & Wayland, 36 West 47th St., New York, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Somers Point — SCHOOL — Bd. Educ. rejected bids school, Dawes and Atlantic Aves. $182,000. Will readvertise. Babcock & Champion, Guarantee Trust Bldg., Atlantic City, archts. Noted Apr. 19.

N. J., South River—HIGH SCHOOL—Bd. Educ., Boro Hall, revised plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000. Noted July 19.

Ga., Emory—NURSES' HOME—Wesley Memorial Hospital, c/o R. H. Oppenheimer, supt., plans by Kentz, Adler & Shutze, Candler Bldg., Atlanta, 3 story, basement, rein.-con., brick, Emory University.

Ind., Broad Ripple (br. Indianapolis)—SCHOOL—School Comrs., 150 North Meridian St., Indianapolis, plans by McGuire & Shook, North Meridian St., Indianapolis, School 80, 2 story, basement, 177 x 347 ft., rein.-con., brick, steel, 62nd and Bellefontaine Sts. $192,500. J. M. Rotz, Merchants Bank Bldg., engr.

Mich., Ann Arbor—HIGH SCHOOL—Bd. Educ., plans by W. B. Ittner, 911 Locust St., St. Louis, Mo., 2 story, rein.-con., brick, stone. $500,000. Noted May 24.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Bway. Ave., plans by G. D. Mason, Standard Savings & Loan Bldg., 2 story, basement, 64 x 140 ft., rein.-con., brick, steel, plain found., Gratiot Park. $160,000.

Tex., San Antonio—DORMITORY—Catholic Diocese, St. Marys Sts., bids early in August, 3 story, rein.-con., brick, plain found., Consepcion Rd. $150,000. L. M. J. Dielmann, 306 East Commerce St., archt.

Okla., Elk City—HIGH SCHOOL—Bd. Educ. plans by J. J. Davis, 1st Natl. Bank Bldg., Oklahoma City, rein.-con., brick, plain found. Election Aug. 14, $175,000 bonds for same.

Okla., Tulsa — CHURCH — P. W. Beck, c/o Baptist Church, sketches 2 story, basement, rein.-con., brick, plain found., Boston St. $200,000. Engineer and architect not selected.

Okla., Tulsa — SCHOOL — Bd. Educ. sketches by L. J. Shumway, 712 New Alexander Bldg., 3 story, basement, brick, plain found., Peoria St. $175,000.

Okla., Tulsa — SCHOOL — University of Tulsa, 7th and College Sts., sketches 3 story, basement, brick, rein.-con., plain found., on campus. $250,000. Engineer and architect not selected.

Okla., Tulsa—SEMINARY—Jenks Highway Catholic Seminary plans by F. W. Redelck, archt. and secy., Court Arcade Bldg., 4 story, basement, 125 x 125 ft., rein.-con. brick, plain found. $150,000.

Calif., Los Angeles — SYNAGOGUE — Beth Israel Congregation plans by A. A. Weitzman, 1017 Hibernian Bldg., 2 story, basement, 83 x 124 ft., concrete, brick, incl. auditorium, 1,000 seating capacity, and smaller one 300 seating capacity, Centennial St. $150,000.

Calif., San Pedro—CHURCH, CONVENT and PARISH HOUSE—Mary Star of the Sea Parish, church, convent and parish house, 8th and Meyler Sts. To exceed $150,000. Campaign to raise funds will be conducted this fall for same. Engineer and architect not selected.

Bids Desired

Mass., Ashland—SCHOOL—Town, E. R. Dearborn, chn. building com., taking bids 2 story, basement, 60 x 140 ft., brick, stone, plain found., near Town Hall, $150,000. W. H. Brainerd Associates, 89 Franklin St., Boston, archts. Noted July 26.

Mass., Haverhill — CHURCH — Presbyterian Church, A. McIntosh, c/o McIntosh Business College, taking bids altering and constructing 1 and 2 story, basement, brick, stone addition, plain found. $150,000 or more. J. A. Perkins, 45 North Ave., archt.

N. Y., Buffalo—SCHOOL—Aug. 23, by Bd. Educ., 900 Genesee Bldg., Elementary School 80, Orleans, Highgate and Windspear Aves. E. Crimi, Genesee Bldg., archt.

N. Y., Delmar—CHURCH and SCHOOL —Aug. 6, by Woodbury & Stuart, archts., 581 Boylston St., Boston, Mass., 1 and 2 story, basement, brick, stone, plain found., for Delmar Methodist Church, W. F. Strafford, chn., Elsmere. $150,000.

N. J., Belleville (br. Newark)—SCHOOL —Aug. 6, by Bd. Educ., High School Bldg., general contract 2 story, basement, brick, steel, plain found., Franklin Ave. $150,000. C. G. Jones, 280 Bway., New York, archt.

N. J., Boonton — HIGH SCHOOL — Bd. Educ., Town Hall, Main St., bids about Aug. 15, 4 story, basement, brick, steel addition, plain found., Lathrop Ave., $150,000. Hacker & Hacker, 201 Main St., Fort Lee, archts. Noted May 10.

N. J., Palisades Park — SCHOOL — Aug. 10, Bd. Educ., School House, Central Blvd., 2 story, basement, brick, steel, plain found. $350,000. Hacker & Hacker, Ft. Lee Trust Co., Bldg., Ft. Lee, archts. Noted June 7.

Md., Baltimore—LABORATORY, etc.— Aug. 7, by Smith & May, archts., Calvert Bldg., 6 story, basement, 166 x 195 ft., brick, steel, rein.-con. laboratory, classrooms for dentistry and pharmacy building, Lombard and Greene Sts., for University of Maryland, Lombard and Greene Sts. $400,000.

La., New Orleans—SCHOOL—Aug. 10, by at office A. J. Tete, secy. Orleans Parish School Bd., City Hall, altering and constructing additions to Andrew H. Wilson School, General Pershing, Tonti, Miro and Milan Sts.

O., Cleveland—HOSPITAL, PAVILLION and NURSES' DORMITORY—Aug. 15, by Lakeside Hospital group of University Hospitals of Cleveland, c/o F. A. Scott, 5701 Carnegie Ave., 8 story, basement hospital $3,000,000, 6 story, basement, pavillion $750,000, 8 story, basement, nurses' dormitory $1,600,000, all brick, steel, concrete, Euclid Ave. Coolidge, Shepley, Bulfinch & Abbott, 1 Court St., Boston, Mass., archts.

Mich., Olivet—DORMITORY—Aug. 7, by Bowd & Munson, archts., 409 Wilson Bldg., Lansing, 3 story, basement, brick, steel, plain found., for Olivet College, A. E. Vestling, pres. $150,000. Noted July 5.

Ill., Maywood — HOME — Roberts & Roberts, archts., 105 North Clark St., Chicago, taking bids 3 story, basement, 50 x 60 ft. with two 37 x 87 ft. wings, brick, timber, stone, Randolph St. and 4th Ave., for Baptist Old Peoples Home. $175,000. Noted May 17.

Kan., Pittsburg—SCHOOL—Aug. 7, by Bd. Educ., 2 story, basement, 100 x 170 ft., rein.-con., brick, $150,000. C. A. Smith, 800 Finance Bldg., Kansas City, Mo., archt. Noted June 14.

Calif., San Fernando—BOYS HOME—Protestant Welfare Assn., taking segregated bids two 1 story, 50 x 145 ft. rein.-con., stucco cottages. Plans later group buildings incl. administration building, shop,

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Buildings—Educational, Religious (Cont.)

agriculture building, in San Fernando Valley near Chalk Hill. To exceed $150,000. F. Kennedy, Jr., archt. and W. P. Shepherd, engr., both 15 South El Moline St., Pasadena.

Bids Received

N. Y., White Plains—HIGH SCHOOL—Bd. Educ., R. E. Dougherty, pres., July 26, general contract, high school, from W. A. Berbusse, 35 Bush Ave., Portchester **(A)** $1,043,400, from Gibbs Rice Co., Moshula Parkway and East 205th St., New York **(B)** $1,018,000 **(C)** $1,007,000 **(D)** $966,000; plumbing from W. Brown Plumbing & Heating, 67 North Bway, Yonkers, $71,790; heating, from F. P. Farrell, $137,717; electrical work, from Arc Electric Constr. Co., 315 East 39th St., New York, $55,843.

Contracts Awarded

N. H., Durham — CHEMISTRY — State Building Comn., Concord, 4 story, basement, 60 x 155 ft., brick, plain found., to S. Belanger & Son, Inc., 308 Main St., Nashua, $273,227. Noted July 12.

N. Y., Buffalo — HOME — Protestant Home for Unprotected Children, 605 Niagara St., 3 story, basement, 100 x 140 ft., rein.-con., Niagara and Jersey Sts., to Hydro Constr. Co., Mutual Life Bldg., $150,000.

N. Y., Garden City—COLLEGE—Adelphi College St. James and Clifton Places, Brooklyn 3 buildings, to Amsterdam Building Co., 441 Lexington Ave., New York. Est. $1,500,000. Noted Apr. 19.

Pa., Aspinwall (mail Pittsburgh) — SCHOOL and DORMITORY—Shadyside Academy, general contract 1 and 2 story, O'Hara Twp., near here, to Cuthbert Bros., Bessemer Bldg., Pittsburgh. Est. $150,000.

Pa., Hillsville — SCHOOL — Bd. Educ. Mahoning Twp., R. McBride, R.F.D. Lowellville, O., and W. G. Eckles Co., archts., New Castle, general contract 2 story, basement, irregular sized, brick, steel, Mahoning Twp., to Troutman & Christman, Sharon. Est. $150,000. Noted July 5.

D. C., Wash.—CHURCH and PARISH HOUSE—Allen & Collins, archts., 75 Newbury St., Boston, Mass., church and parish house, to Boyle-Robertson, Inc., Evans Bldg., for National Universalist Society. Est. $1,000,000. Noted May 31.

Fla., Gainesville—DORMITORY——University of Florida, general contract, to Sutton Bros., Atlantic Natl. Bank Bldg., Jacksonville, $243,661. Noted July 5.

Ala., Montevallo—DORMITORY — Warren, Knight & Davis, archts., Empire Bldg., Birmingham, 4 story, part basement, 94½ x 141 ft., rein.-con., to A. C. Samford, 24 Galena Ave., Montgomery, for State. $140,000. Noted July 19.

La., Haynesville—COLLEGE and HIGH SCHOOL—Claiborne Parish Bd. Educ., c/o Secretary, Junior College and High School, 2 story, basement, rein.-con., brick, stone, to J. H. Reddick, Kennedy Bldg., Ft. Smith, Ark., $170,257.

O., Cincinnati—SCHOOL—Bd. Educ., 216 East 9th St., 3 story, basement, rein.-con., brick, plain found., Iowa St., to Monogue-Bauer, 1201 2nd Natl. Bank., $138,573. Noted June 21.

O., Columbus—DORMITORY—College St. Marys of the Springs, brick, stone, concrete, incl. 125 bedrooms, 35 x 75 ft. chapel, Sunbury Rd., to C. Lang Co., 555 South 5th St., $250,000.

Ill., Bunker Hill—HIGH SCHOOL—Meissner High School, c/o A. H. Wise, secy., 2 story, basement, 110 x 132 ft., rein.-con., brick, terra cotta, to Jubelt & Eckman, Gillespie. Noted July 12.

Ill., Evanston—GYMNASIUM—Hamilton, Fellows & Wilkinson, archts., 814 Tower Court, Chicago, general contract 2 story addition to Evanston High School, Church and Dodge Sts., to R. Sollitt & Son Constr., 228 North La Salle St., Chicago. Noted June 14.

Federal Government Work

Proposed Work

D. C., Wash.—ARCHIVES—Treas. Dept. at office Supervising Archt., tentative sketches national archives building, Penn. Ave., 9th, 10th and B Sts. N. W. $5,000,000. J. A. Wetmore, acting superv. archt. Noted Aug. 5, 1926.

D. C., Wash.—OFFICES—Treas. Dept. at office Supervising Archt., office for Dept. Labor, 14th and B Sts., $5,000,000; office for Dept. Justice Penn. Ave., 7th and 9th Sts. N. W., $5,000,000; group government offices, 12th and Penn Ave., $6,000,000. Noted Mar. 11, 1926.

Va., Quantico—POWER PLANT EQUIPMENT—Spec. 5602 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., power plant equipment, incl. steam generating plant, watertube boiler, air cooled boiler settings, pulverizers, burners, smoke flue, turbine and motor driven forced draft fans, metering feed water heater, storage tank, etc. for Marine Barracks.

Va., Quantico — STEEL STACK — Spec. 5716—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Marine Barracks.

Fla., Pensacola — REFRIGERATING EQUIPMENT—Spec. 5595—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Hospital, Naval Air Station.

Calif., Mare Island—AUTOMATIC REFRIGERATING EQUIPMENT—Spec. 5586—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Navy Yard.

Bids Desired

R. I., Providence—DREDGING—Aug. 31, by U. S. Engineer Office, 183,800 cu.yd. Pawtucket River, adv. E.N.-R. Aug. 2. Noted June 14.

N. Y., Albany—DREDGING—Aug. 29, by U. S. Engineer's Office, Army Bldg., 30 Whitehall St., New York, dredging 3,570,000 cu.yd. Hudson River 8 mi. from here; adv. E. N.-R. Aug. 2.

N. Y., Dunkirk—POST OFFICE—Aug. 29, by Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Postoffice; adv. E. N.-R. Aug. 2.

N. Y., St. George—MOORING CHAINS—Aug. 8, by Superintendent of Lighthouses, various wrought iron lightship and buoy mooring chains, buoy bridal chains, wrought iron buoy swivels, wrought steel buoy shackles, cast steel mushroom anchors.

New Jersey—DREDGING—Aug. 6, by U. S. Engineers, 2nd Dist., Army Bldg., New York, N. Y., Hackensack River. Noted May 24.

N. J., Cape May—REROOFING—Aug. 15, by Bureau Yards & Docks, Navy Dpt. Wash., D. C., Storehouse Building 22, Naval Air Station.

Pa., McKeesport—DREDGING—Aug. 27, by U. S. Engineer Office, Pittsburgh, channel in Youghiogheny River from mouth to 15th St., adv. E.N.-R. Aug. 2.

D. C., Wash.—STEEL, etc.—Aug. 9, by General Purchasing Officer Panama Canal, structural steel, fire brick, anti-friction metal, fibre rail joint insulations, asbestos wood, roofing, grit, calcium chloride.

D. C., Wash.—CONDUIT SYSTEM—Aug. 15, at office D. Lynn, archt. of Capitol, high tension conduit system or duct line between capitol power plant and U. S. Capitol Building, adv. E.N.-R. Aug. 2.

D. C., Wash—LIGHTSHIPS—Sept. 6, by Bureau of Lighthouses, 3 lightships.

Ga., Augusta—WATERPIPING—Aug. 9, by Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Post Office.

Ky., Louisville — MACHINERY, etc. — Aug. 9, by U. S. Engineer Office, P. O. Box 72, machinery piping in power house, and turbine pit, water pump, gate and valve Ohio River; adv. E. N.-R. Aug. 2. Noted July 12.

Ind., Jeffersonville—WALL—Aug. 7, by Constructing Quartermaster, 2,800 lin.ft. stone enclosing wall around Zachary Taylor Natl. Cemetery.

Texas—DREDGING—Aug. 27, by U. S. Engineer Office, Galveston, channel from Galveston Harbor to Texas City, adv. E.N.-R. Aug. 2.

Tex., Brooks Field—WATER SYSTEM—Aug. 10, by Constructing Quartermaster, replacing, additions to water system.

Calif., San Diego—STOREHOUSE—Spec. 5704—Aug. 22, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Operating Base.

Bids Received

N. H., Portsmouth—AIR COMPRESSOR—Bureau Yards & Docks, Navy Dpt., Wash., D. C., July 25, reciprocating air compressor, from Ingersoll-Rand Co., 11 Bway., New York, $37,100.

Conn., New Haven—DREDGING—U. S. Engineer Office, Providence, R. I., July 18, dredging in New Haven Harbor, from J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., at $0.133 per cu.yd. Noted June 28.

N. Y., Buffalo—PIER—U. S. Engineer Office, July 17, by concrete superstructure Bird Island Pier, from F. G. Hanssel, 753 Ellicott Sq., $61,120. Noted June 21.

N. J., Fort Monmouth—SEWAGE DISPOSAL TANK—Constructing Quartermaster, July 16, septic tank, from Waldemar Montensen, Inc., 103 Park Pl., New York, $18,625 (120 days). Noted July 12.

D. C., Wash. — RENEWAL — Bureau Yards & Docks, Navy Dpt., high pressure return lines at Naval Hospital, from General Heating Co., 340 13th St. N. W., $[illegible]

Va., Fort Humphreys—VIADUCT—Constructing Quartermaster, July 22, grading viaducts, from W. F. Brenzier Co., [illegible] New York Ave. N.E., Wash., D. C., $12,000 (80 days). Noted July 21.

La., New Orleans—BARGES—U. S. Engineer Office, Poland and Dauphane Sts., July 16, two 120 x 30 x 7 ft. steel barges, from Howard Shipyards & Dock Co., Jeffersonville, Ind. **(2)** $21,000 **(3)** $750 **(4)** $21,750 (90 days). Noted June 21.

Michigan—ROCK REMOVAL—U. S. Engineer Office, Detroit, July 16, removing 155,400 cu.yd. earth and rock from steamship channel near Course 9, from Great Lakes Dredge & Dock Co., 104 South Michigan Blvd., Chicago, Ill., $1,227,660. Noted July 5.

Ill., Chicago — STOREHOUSE — Treas. Dpt. at office Supervising Archt., Wash., D. C., July 18, at U. S. Marine Hospital, from Hanson Constr. Co., 2412 East 75th St., $9,594. Noted July 5.

Ill., Great Lakes—HEATING MAINS—Spec. 5487—Bureau Yards & Docks Navy Dpt., Wash., D. C., heating mains at Naval Training Station, from J. L. Powers, Bennettsville, S. C., $39,593. Noted July 19.

S. D., Rapid City—ROAD—J. J. Johnson, dist. engr., 301 Custom House, Denver, Colo., improving Sect. K, Deadwood-Custer-Hot Springs National Forest, in Harney Natl. Forest, Pennington Co., from Western Bridge & Constr. Co., Peters Trust Bldg., Omaha, Neb., $32,725.

Mo., Kansas City—PILE CLUMP DIKES—U. S. Engineer Office, July 18, 3,400 lin.ft. standard pile clump dikes in Missouri River, St. Charles Reach, from Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, $104,485.

Texas — DREDGING — U. S. Engineer Office, Galveston, June 7, dredging Sabine-Neches Waterway, at month Port Arthur Canal, from Atlantic, Gulf & Pacific Co., Scanlan Bldg., Houston. Noted May 10.

Colo., Denver—CONDUITS—Bureau Reclamation, July 12, c.i. conduits from Steacy-Schmidt Mfg. Co., York, Pa., 73 in. $4,500, 72 in. diam. riveted steel pipe ends, $1,080.

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau P. Rds., 451 Market St., San Francisco, July 24, grading 11.85 mi. San Marcos Extension, National Forest Hy., Santa Barbara Co., from Tiselau Bros., Grove St., Berkeley, $63,747. Est. $77,330. Noted July 12.

Contracts Awarded

D. C., Wash.—DOME—Treas. Dpt. at office Supervising Archt., Wash., D. C., safeguarding dome of Rotunda, Natl. Museum, to H. S. Hatton Corp., 100 N. St. N.E., $46,771. Noted May 3.

N. C., Wilmington — DREDGING PUMP—U. S. Engineer Office, for U. S. Dredge "Henry Bacon," to Hardie-Tynes Mfg. Co., 800 North 28th St., Birmingham, Ala. Noted June 7.

Fla., Jacksonville — CHANGES — Treas. Dpt. at office Supervising Archt., Wash., D. C. at U. S. Post Office, to Johnson Finance & Constr. Co., Jacksonville, $16,000. Noted July 26.

Ala., Mobile — WATERPROOFING—Treas. Dpt. at office Supervising Archt., Wash., D. C., at U. S. Quarantine Station, to Jett-Quill Constr. Co., 106 North Royal St., Mobile, $9,726. Noted July 19.

La., Alexandria—HOSPITAL—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., general contract U. S. Veterans Hospital, to N. P. Severin, 222 West Adams St., Chicago, Ill., $1,027,675; plumbing, to D. W. Chapman Co., 427 Bond Bldg., Wash., D. C., $120,896; heating, to Redmon Heating Co., 124 North 4th St., Louisville, Ky., $86,800; electrical system, to R. A. Phelps, Beloit, Wis., $86,640; elevators, to Otis Elevator Co., 810 18th St. N.W., Wash., D. C., $32,276; ice making and refrigerating machinery, to Pyles Refrigerating Engr. Co., 411 West Pratt St., Baltimore, Md., $20,000, concrete chimney, to J. V. Boland Constr. Co., 712 Olive St., St. Louis, Mo., $4,042. Grand total $1,378,329. Noted July 12.

Tenn., Memphis — LEVEE WORK—Mississippi River Comn., 1st and 2nd Dists., 1006 Mc Call Bldg., Piece 1, in West Cairo Levee Dist., Reelfoot Lower St. Francis, Upper Yazoo and White River Levee Dists. to J. L. Ward Constr. Co., 11000 Wade Park Ave., Cleveland, O., $349,670; Pieces 2 and 6, to F. C. Morgan, Moratt Hotel, Indianapolis, Ind., $151,260; Pieces 3 and 5, to to C. I. Jones, 4951 Laclede Ave., St. Louis, Mo., $98,626; Pieces 4 and 6A to A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo. $137,500; Piece 7, to W. W. Roth, Hickman, Ky., $47,250; Piece 11, to C. C. Aderholdt, Memphis, Tenn., $91,200; Pieces

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Federal Government Work (Continued)

12 and 19, to G. C. Weathers, Jr., Greenville, Miss. $58,143; Piece 16, to Canal Constr. Co., McCall Bldg., $308,028; Piece 18, to H. J. Kaiser, 1522 Latham Sq. Bldg., Oakland, Calif., $60,840; Pieces 8, 9, 10 and 21, by Government plant and hired labor. Noted July 26.

Ill., Chicago—DREDGING—U. S. Engineer Office, North Branch and North Branch Canal, to Fitz-Simons & Cornell Dredge & Dock Co., 10 South La Salle St., $20,470. Noted June 21.

Texas—DREDGING— U. S. Engineer Office, Galveston, Galveston Channel to Orleans Dredging Co., Maison Blanche Bldg., New Orleans, La. $332,826. Noted June 21.

Wash., Fort Lewis—QUARTERS—Constructing Quartermaster, 6 company officers quarters and 5 non-commissioned officers quarters, to E. Anderson, Tacoma, $67,200. Noted June 21.

Oregon—ROADS—U. S. Engineer Office, Post Office Bldg., Portland, grading 6.3 mi. Fort Rock, Klamath Co., to C. R. Johnson, Portland, $29,108; 2.8 mi. Sanitiam, Linn Co., to R. W. Shaffer, Portland, $26,947.

Ore., Namorf—DAM—Bureau Reclamation, Dpt. Interior, Vale Diversion Dam, for Vale Main Canal on Oregon Eastern Branch Oregon Short Line R.R., to Derbon Constr. Co., Seattle, Wash., $443,421. Noted June 21.

Ore., Nyssa — DAM — Dept. Interior, Bureau Reclamation, constructing Owyhee Dam, Owyhee Project, Oregon-Idaho on Oregon Shore Line R.R., here, to General Constr. Co., 552 Coleman Bldg., Seattle, Wash., $3,198,779. Noted June 21.

Calif., San Diego—MOTOR TEST STANDS—Spec. 5634—Bureau Yards & Docks, Navy Dpt., Wash., D. C., extending motor test stands, to R. E. McKee, 1128 Central Bldg., Los Angeles, $27,917 (150 days). Noted June 14.

Unclassified

Proposed Work

BOARDWALKS—**Atlantic City, N. J.**—City Comn. expending $91,000, in redecking portion boardwalk from Maryland to South Carolina Aves.

PIERS, BOARDWALK, etc. — **Long Branch, N. J.**—Bd. City Comrs., City Hall, 2 piers, boardwalk, pavilions, boulevard along ocean front. $1,000,000. Engineer not selected.

GAS PIPE LINE—**Georgia, Alabama, and Tennessee**—Corporation, c/o Ohrstrom, Inc., 44 Wall St., New York, or R. C. Sharp, pres. Oklahoma Natural Gas Corp., 1 East 36th St., Oklahoma City, Okla., or Southern Natural Gas Co., 862 mi. pipe line, incl. 350 mi. 24 in. main line serving towns of Atlanta, Ga., Birmingham and Montgomery Ala., and Chattanooga, Tenn. $36,000,000.

OVER PASS — **Tennessee** — State Dept. Hys. & P. Wks., Nashville, and Nashville, Chattanooga & St. Louis R.R Co., Nashville, H. McDonald, ch. engr., surveys concrete overpass over railroad, on Murfreesboro-Shelbyville Rd., Rutherford Co. H. Berry, hy. comr.

SUBWAY—**Evansville, Ind.**—City subway under Chicago & Eastern Illinois Ry., on Virginia St., $84,390, grading $25,000. A. Pfafflin, city engr.

LIGHTING SYSTEM—**Galesburg, Ill.**—Ornamental lighting system on North Broad St. A. L. Richey, City Hall, engr.

COAL TERMINAL—**Minneapolis, Minn.**—City sold $150,000 bonds, coal terminal on Mississippi River between Washington Ave. and Northern Pacific Ry. Co. Bridge, incl. handling and storage facilities for 35,000 tons coal, dredging, sea wall, trackage. N. W. Elsberg, city engr.

AIRPORT — **Rochester, Minn.** — Mayo Properties Assn., H. J. Hartwick, mgr., airport, incl. 6 runways, marker border, beacon and flood lights. $150,000. Jefferson Airways, Inc., 29 North 28th St., Minneapolis, lessee.

TRAFFIC CONTROL SYSTEM — **Enid, Okla.**—City sketches electrically operated traffic control system. $40,000. F. A. Magruder, Enid, engr.

UNDERPASS—**Guthrie, Okla.**—Oklahoma R.R. Co., Terminal Bldg., Oklahoma City, G. B. Treat, ch. engr., 2 span 60 ft. rein.-con. underpass, 2 mi. south of here. $25,000.

UNDERPASS—**Oklahoma City, Okla.**—City, and Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, Ill., G. W. Harris, ch. engr., 2 span 60 x 80 ft. rein.-con. underpass under tracks, on 6th St. $55,000. W. W. Small, City Hall, engr.

PLEASURE PIER—**Long Beach, Calif.**—City, stone rubble mound pleasure pier, auditorium fill, on ocean front, incl. 296,000 tons revetment stone to be flanked with wooden pier, 3,800 ft. long, 36 ft. wide, 1,800 creosoted piles, 1,640 ft. untreated timber, dredged material 200,000 cu.yd. Noted June 28.

LIGHTING SYSTEM—**Sacramento, Calif.**—Surveys ornamental lighting system in entire downtown district. To exceed $25,000. S. J. Hart, city engr.

COAL HANDLING PLANT—**Three Rivers, Que.**—Dominion Coal Co., new electrically operated coal plant, incl. 360 ft. span unloading and stocking bridge with 132 ft. overhang at each end.

COAL HANDLING PLANT—**Port Stanley, Ont.**—London & Pt. Stanley Ry. Co., London, coal handling plant. $150,000.

Bids Desired

HEATING SYSTEMS—**Boston, Mass.**—Aug. 6, by Schoolhouse Dpt., City Hall, additions and alterations of heating systems in various schools. $25,000.

LAKE HOUSE—**Albany, N. Y.**—Aug. 6, by Bd. Contr. & Supply, City Hall, 185 x 74 ft., brick, 18½ ft. high, in Washington Park. $125,000. J. R. White, 109 State St., archt.

ATHLETIC FIELD—**Cortland, N. Y.**—Aug. 18, by Dpt. Educ., Education Bldg., Albany, grading for new athletic field at State Normal School, adv. E.N.-R. Aug. 2.

APPROACHES, TUNNELS, etc.—**New York, N. Y.**—Aug. 15, by Dpt. Mental Hygiene, Capitol, Albany, approaches, tunnels, driveways, retaining walls, lighting at Psychiatric Institute and Hospital; adv. E. N.-R. Aug. 2.

GRADE CROSSING ELIMINATION — **Pittsburgh, Pa.**—See "Streets and Roads."

TUNNEL—**Bowling Green, O.**—Aug. 24, by Bd. Trustees, Bowling Green State Normal School, E. T. Rogers, acting secy., rebuilding 555 ft. 6 x 5 ft. tunnel for steam pipes. $30,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt.

OVERHEAD STRUCTURE — **Wisconsin**—See "Streets and Roads."

FOUNDATION WALLS—**Ottawa, Ont.**, Aug. 7, by S. E. O'Brien, secy. Dpt. P. Wks., foundation walls for proposed Palm House and extension, Major's Hill Park. $30,000.

CULVERTS, SIPHONS, etc. — **Idaho** — Aug. 7, by J. D. Wood, comr. Dpt. Pub. Wks., Boise, culverts, siphons, pile culvert headwalls 5.383 mi. Lost River Hy., 1,500 cu.yd. culvert excav., 54,600 lb. reinforcing, 20 lb. hand placed riprap. P. B. Wilson, dist. engr.

Bids Received

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 1, Route 108, subsurface railroad under Jackson Ave. and Northern Blvd., Queens Boro, from Triest Contg. Co., 247 Park Ave., New York, $6,881,121. Noted July 19.

SUBWAY—**New York, N. Y.**—Bd. Transportation, 49 Lafayette St., July 24, Sect. 1-A, Route 8 of 14th St.—Eastern Rapid Transit R.R., from D. C. Serber, 1123 Bway., $3,160,000. Noted July 19.

Contracts Awarded

WHARF—**Boston, Mass.**—City, Dpt. P. Wks., wharf and paving yard, Commercial St., North End, to W. H. Ellis & Son, 479 Meridian St., East Boston, $24,635.

ENTRANCE—**New York, N. Y.**—Bellevue & Allied Hospitals, foot East 26th St., J. McGrath, pres., ambulance entrance, roadways, path, fences, at Bellevue Hospital, foot East 26th St., to Kenny Bros., Inc., 33 Old Bway., $33,000. Noted July 1.

FIRE PREVENTION WORK—**New York, N. Y.**—B. S. Coler, comr. Dpt. P. Welfare, Municipal Bldg., altering and constructing addition for fire prevention work, Woodside Pavilion, Randalls Island, to J. A. Lee, Farragut Rd., Brooklyn, $25,673. Noted June 21.

COAL POCKET and OFFICE—**Irvington** (br. Newark), **N. J.**—Lehigh Valley R.R. Co., 143 Liberty St., New York, general contract 40 x 160 ft. coal pocket, 55 ft. high, 1 story, 22 x 50 ft. office building, rein.-con., plain found., 884 Clinton Ave., to E. P. Muntz, Inc., Clinton Ave. Est. $100,000.

PLAYGROUND — **Newark, N. J.** — Bd. Educ., City Hall, playground on Bergen School site, to T. F. Conroy & Son, 95 Tiffany Pl., Hilton, $23,474.

GAS LINES — **Mayview, Pa.** — See "Sewers."

POWER HOUSE EQUIPMENT—**Mayview, Pa.**—Dept. Pub. Welfare, E. Raub, dir., City-County Bldg., Pittsburgh, power house equipment at Pittsburgh Home and Hospital, to Ruch Mchy. Co., 32 East Larson St., Pittsburgh, $79,997.

STEAM LINES—**Mayview, Pa.**—City of Pittsburgh Dept. Welfare, City-County Bldg., Pittsburgh, general contract steam lines, for City Home and Hospital, to Pitt Constr. Co., Empire Bldg., Pittsburgh, $29,247.

CONCRETE SLAB WORK, etc.—**New Orleans, La.**—Bd. Port Comrs., New Court House, concrete slab work, painting Poydras-Girod St. Wharves, to J. Riess, New Orleans Bank Bldg., and O. Reiss, 1423 Milan St., $70,588; downspouts, piping, hose racks for Poydras and Girod St. Sheds, to La. Dew-Casey Eng. Co., New Orleans, $11,917.

WHARF—**New Orleans, La.**—Port Comrs., reconstructing St. Andrew St. Wharf, to T. Carey, 4310 Elba St., $131,918. Noted Apr. 26.

AIRPLANE HANGAR — **Cleveland, O.**—Ohio Airways Corp., T. Hubbell, pres., Union Mortgage Bldg., 1 story, 100 x 120 ft., brick, steel, airport grounds, to R. S. Ursprung, Berea. Est. $60,000.

CULVERTS — **Galesburg, Ill.** — See "Waterworks."

TRANSMISSION LINE—**Oklahoma** — E. W. Baker Co., Perrine Bldg., Oklahoma City, 22 mi. 13,200 volt electric transmission line from Vici to Camargo, to W. S. Bashore c/o owner, $27,000. Est. $30,000.

TUNNELS — **Colorado** — Denver & Rio Grande Western R.R. Co., A. O. Ridgway, ch. engr., Equitable Bldg., Denver, enlarging 2 tunnels, blasting away another between La Veta and La Veta Pass, to P. Rogers, Pueblo, Est. $50,000.

HANGARS — **Alameda, Calif.**—Alameda Airport, Inc., 550 Howard St., San Francisco, one 70 x 100 ft. and 8 smaller hangars, 32 ft. deep, to Herrick Iron Wks., 18th and Campbell Sts., Oakland. Noted July 12.

HANGAR—**Los Angeles, Calif.** — Allen Decorating Co., 2801 Sunset Blvd., 400 x 400 ft. timber hangar, Mines Field, to L. S. Wylie, 1103 Subway Terminal Bldg.

LIGHTING SYSTEM — **Los Angeles, Calif.**—Ornamental lighting system on Vermont Ave. between San Marino Ave. and Washington St., to J. R. Davies, 2131 Santee St., $27,830.

FIRE ALARM SYSTEM—**San Angelo, Tex.**—Fire alarm system, incl. 65 alarm boxes, to Gamewell Fire Alarm Telegraph Co., Praetorian Bldg., Dallas, $25,500.

Materials

Proposed Work

CEMENT — **Wesley, Calif.** — E. Smith, secy. West Stanislaus Irrigation Dist. rejected bids July 14, 14,000 bbl. cement. Noted July 5.

Bids Desired

STEEL—**Onawa, Ia.**—Aug. 7, at office Auditor Monona Co., structural steel for seven I-beam bridges. R. A. Rawlings, Onawa, co. engr.

DIESEL ENGINE, etc.—**Durant, Miss.**—Aug. 7, by Town, 350 hp. Diesel engine direct connected to 23,000 volt generator of 60 cycles 3 phase, with direct connected or belted exciter, one generator panel with suitable equipment for light and water plant. L. J. Wilkes, clk.

Foreign

Bahama Islands—Bahamas Government awarded contract sewerage system, pump houses, sludge plant, 16 mi. sewers from Nassau to Key Islands, to McNamara Constr. Co., 53 Yonge St., Toronto, Ont., $750,000.

New Zealand, Wellington—Oct. 30, by Secretary Pub. Wks. Supply & Tenders, for relays, potential transformers 11,000 volt, potential transformers 110,000 volt, current transformers, control panels, control cables and spares.

See proposal advertising on page 154

Constr. News page 67

UNIT PRICES

Unit Price Lists Published in July, 1928

Bridge	Pennsylvania	July 5
Bridge approaches, superstructure	Chicago, Ill.	July 19
Road	Kentucky	July 5
Road	Ohio	July 12
Sewerage and water systems	Southgate, Calif.	July 5
Water-works improvements	Ada, Okla.	July 26

Bridge Approach—St. Louis, Mo.

Board of Public Service, City Hall, opened bids Feb. 14, foundation, rein.-con. piers, abutments, retaining walls and approach fill of Southern R.R. approach to St. Louis Municipal Bridge, 4,600 ft. long. Bids were considered four ways: Precast piles and monolithic conc. retaining wall; cast-in-place piles and monolithic conc. retaining wall; precast piles and conc. cribbed retaining wall; cast-in-place piles and conc. cribbed retaining wall. Contract was awarded for precast piling and cribbed conc. retaining wall. Bidders are: (A) A. Dunham Constr. Co., Chemical Bldg., (awarded contract); (B) Frazier-Davis Constr. Co., Arcade Bldg.; (C) J. J. Bailey, 616 Pershing Ave.; (D) Murch Bros. Constr. Co., Ry. Exch. Bldg. C. E. Smith & Co., Ry. Exch. Bldg., consulting engineers. Complete unit bids are given below.

	A	B	C	D
In Viaduct Portion, including Abutment:				
68,000 cu.ft. excav.	$0.10	$0.06	$0.10	$0.06
44,700 ft. conc. piling precast piles	1.50	1.40	1.60	1.85
44,700 ft. conc. piling cast in place	1.70	.....	1.85	1.89
62,700 cu.ft. conc. No. 2	.40	.50	.48	.34
74,300 lb. steel reinf. rods	.04	.05	.035	.03
360,000 lb. embedded structural steel	.055	.05	.055	.045
24,000 lb. anchor bolts	.10	.07	.06	.06
Remove and restore improvements of others (lump sum)	3,750.00	2,220.00	2,500.00	3,125.50
In Filled Portion:				
25,500 cu.ft. excav.	.02	.03	.03	.05
33,100 cu.ft. No. 2 conc.	.55	.45	.48	.36
39,000 lb. steel reinf. rods	.04	.04	.04	.04
487,400 cu.ft. filling behind wall	.01	.01	.01	.0225
600 ft. alternate for fill portion conc. cribbed retaining wall, including foundation	18.00	.....	26.00	23.00
487,400 cu.ft. filling behind wall	.01	.....	.01	.0225
Total precast piling and cribbed conc. retaining wall	$143,526	.....	.....	.....
Total cast in place piles and cribbed conc. retaining wall	152,466	.....	.....	.....
Total precast piles and monolithic conc. retaining wall	.....	$145,699	.....	.....
Total cast in place piles and monolithic conc.	.....	.....	.....	$158,788

Engineering News-Record, Issue of August 2, 1928.

Street Improvement—Glencoe, Ill.

City opened bids June 15 grading, curbing, guttering, 8 in. concrete paving, and sewers in 10,775 sq.yd. streets. Bidders are: (A) Engineer's Estimate; (B) E. A. Meyer Construction Co., Highland Park, (awarded contract); (C) Highway Construction Co., Highland Park; (D) Johnson & Anderson, 4531 North Albany Ave., Chicago; (E) Paul Reschke, Winnetka. Windes & Marsh, Winnetka, engineers.

		A	B	C	D	E
8,650 cu.yd. excav.		$1.00	$1.00	$1.00	$1.00	$1.15
10,775 sq.yd. conc. pavement 8 in.		2.65	3.00	2.90	2.70	3.10
8,500 lin.ft. conc. combined curb and gutter		1.00	1.00	1.00	1.00	1.15
Tile Pipe Drains	Average Depth					
114 lin.ft. 30-in.	5 ft.	5.00	5.20	6.00	6.00	5.25
391 lin.ft. 27-in.	6 ft.	4.75	4.35	4.45	5.75	4.50
324 lin.ft. 24-in.	8½ ft.	4.05	3.00	3.00	5.00	2.95
405 lin.ft. 21-in.	10½ ft.	3.10	2.65	2.75	3.60	2.60
708 lin.ft. 18-in.	9 ft.	2.55	2.50	2.50	3.00	2.55
1,719 lin.ft. 15-in.	9 ft.	2.20	1.65	1.75	2.65	1.75
2,536 lin.ft. 12-in.	7½ ft.	1.85	1.75	1.85	2.25	1.60
4,148 lin.ft. 8-in.	6 ft.	1.00	1.90	1.00	1.25	1.95
35 lin.ft. 18-in.	8 ft.	4.00	4.20	5.00	5.50	4.00
60 lin.ft. 15-in.	12 ft.	4.50	4.40	4.60	6.00	4.20
135 lin.ft. 12-in.	7½ ft.	2.60	3.85	3.85	3.00	3.90
260 lin.ft. 8-in.	5 ft.	2.00	2.30	2.50	2.00	2.35
12 conc. manholes, average depth of conc. 9 ft.		125.00	108.00	118.00	125.00	110.00
23 conc. manhole catch basins average depth of conc. 10½ ft.		135.00	120.00	130.00	135.00	118.00
12 conc. catch basins, average depth of conc. 6½ ft.		85.00	80.00	90.00	85.00	85.00
7 conc. inlet basins		40.00	37.00	40.00	35.00	42.00
4.8 ft. of drop connections		3.50	3.00	3.00	3.50	2.85
6.6 cu.yd. conc. for one headwall		23.00	25.00	25.00	25.00	23.00
43 exist. manhole and vault covers adjusted		5.00	5.00	5.00	5.00	5.00
84 trees from 6 to 20 in. removed		15.00	22.00	22.00	12.00	15.00
22,000 sq.yd. parkway raked.		.10	.10	.10	.11	.10
800 cu.yd. excav. for open ditch		.75	1.00	2.00	.75	1.75
1—27 x 6-in. Y		.....	20.00	25.00	16.00	15.00
3—24 x 6-in. Y		.....	16.00	17.00	11.00	12.00
5—21 x 6-in. Y		.....	11.00	12.00	8.00	10.00
12—18 x 6-in. Y		.....	8.00	9.00	5.00	6.00
9—15 x 6-in. Y		.....	6.00	7.00	4.00	5.50
28—12 x 6-in. Y		.....	2.00	3.00	2.00	2.50
32— 8 x 6-in. Y		.....	1.00	1.50	.90	.95
6—12 x 8-in. Y		.....	2.25	3.25	2.00	2.50
3— 8 x 12-in. connection to existing sewer		.....	3.00	5.00	15.00	5.00
90—shutoff boxes to be adjusted		.....	2.50	5.00	1.00	2.00
3—hydrants adjusted, lowered 1 ft.		.....	45.00	65.00	50.00	40.00
2—hydrants adjusted, raising 1 ft.		.....	16.00	26.00	50.00	40.00
60 crossing of existing pipes		.....	10.00	15.00	3.00	12.00
5 core tests		.....	15.00	20.00	25.00	20.00
Totals		$76,755	$80,088	$82,125	$82,567	$83,975

Engineering News-Record, Issue of August 2, 1928.

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Pipe line, Oklahoma and Illinois, Sinclair Oil Co., Tulsa, Okla., $15,000,000.

Dam, Henderson, N. C., Virginia-Carolina Power Co., Richmond, Va., $14,000,000.

Natural gas pipe line, Texas and Mexico, Moody-Seagraves Co., Galveston, $10,000,000.

Depot, Houston, Tex., Southern Pacific Lines, (in Texas and Louisiana Lines) $3,500,000.

Club, Chicago, Ill., Hellenic Arts Club, $3,500,000.

Church and office, Newark, N. J., Newark Dist. Church Society, $3,500,000.

Docks and terminal warehouse, Hamilton, Ont., Canada Steam Ship Lines, $2,000,000.

Customs house, Toronto, Ont., Dpt. P. Wks., Ottawa, soon takes bids, $2,000,000.

Hospital, Chicago, Ill., Henrotin Hospital, sketches, $2,000,000.

Hospital, St. Louis, Mo., Washington University School of Medicine, bids in fall, $2,000,000 or more.

Roads, Nevada, State Hy. Comn., Carson City, plans expending $1,701,088.

Hospital, Los Angeles, Calif., Kaspare Cohn Hospital, $1,500,000.

Store and apartment, New York, N. Y., Morrow Bros. Constr. Co., $1,500,000.

Y.M.C.A., Long Island City, N. Y., Y.M.C.A., $1,500,000.

Power plant, Chicago, Ill., University of Chicago, $1,500,000.

Apartment, New York, N. Y., Three Hundred Fifty Central Park West Corp., $1,250,000.

Office, Charlotte, N. C., Amer. Trust Co., $1,200,000.

Office, Boston, Mass., Osler Medical Building Trust, $1,000,000.

Refinery, Petrolia, Ont., Superior Sugar Ltd., $1,000,000.

Bank and office, Kalamazoo, Mich., Kalamazoo Trust & Savings Bank, $1,000,000.

Medical building, East Orange, N. J., Aetna Realty Co., sketches, $1,000,000.

Terminal Jersey City, N. J., Jersey City Chamber of Commerce, $1,000,000.

Plant, Burnsville, N. C., Pollard Cyanite Co., $1,000,000.

Dams, Los Angeles, Calif., $1,000,000.

Hotel, St. Louis, Mo., P. Yawitz, sketches, $1,000,000 or more.

Hospital, St. Louis, Mo., St. Lukes Hospital, sketches, $1,000,000 or more.

Bids Desired

Apartment, Boston, Mass., Esplanade Realty Trust Co., taking bids, $2,500,000.

Office and store, Chicago, Ill., Aug. 13 by Holabird & Root, archts., for owner, $2,000,000.

Exhibition hall, St. Louis, Mo., Forest Park Highlands Exhibition & Amusement Co., bids about Sept. 1, $1,500,000.

Apartment, Tarrytown, N. Y., Margon & Holder, archts., 29 West 57th St., New York, taking bids, for owner, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 71.

Bids Received

Dredging, Sandusky, O., U. S. Engineer Office, from Great Lake Dredge & Dock Co., Cleveland, $1,051,300.

School, White Plains, N. Y., Bd. Educ., from A. Percy, Port Chester, est. $1,000,000.

Contracts Awarded

Hotel, office and garage, Detroit, Mich., Detroit Biltmore Hotel Co, to Walbridge Aldinger Co., and others, totalling $25,000,000.

Dock terminal, East Chicago, Ill., U. S. Gypsum Co., Chicago, to Turner Constr. Co., New York, est. $4,500,000.

Apartment, New York, N. Y., One Hundred Forty Nine E. 47th St., Corp., to G. Richard Davis & Co., $2,600,000.

Automobile plant, Leeds, Mo., General Motors Co., Detroit, to S. Patti Constr. Co., Kansas City, $2,500,000.

Rock removal, Michigan, U. S. Engineer Office, Detroit, to United Dredging Co., New York, $2,377,377.

Theatre, Greenwich Conn., Lincoln Theatrical Enterprise, Inc., Newark, N. J., to W. J. MacEvoy Constr. Co., Newark, N. J., est. $2,000,000.

Hospital, Chicago, Ill., E. H. Levin, general contract to Callner Constr. Co., $1,300,000.

Manufacturing and loft, New York, N. Y., Estate of W. De Forest Muncie c/o architects, to G. Richland Davis, est. $1,200,000.

High school, White Plains, N. Y., Bd. Educ., to W. A. Berbusse, Port Chester, $1,043,400.

Power plant, Tuscaloosa, Ala., Gulf States Service Co., to United Engineers & Constructors Co., Phila., Pa., $1,000,000.

Apartment, St. Louis, Mo., C. Anschuetz to Boaz-Kiel Constr. Co., est. $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. Y., Albany—Bd. Water Supply bids in September, 20 mi. conduit line for new water supply. Total $12,000,000.

N. Y., Buffalo — Raising $15,000 funds watermains into Buffalo Airport. C. E. P. Babcock, Municipal Bldg., engr.

N. J., Bayonne—Bd. City Council, City Hall, laying water mains and appurtenances in Ave. E, between Linnet St. and East 14th St., $15,000. W. Clarkson, City Hall, engr.

N. C., Jamestown—Guilford Co. Sanitarium, J. L. Spruill, supt., soon takes bids 1½ mi. watermains to connect hospital with High Point watermains, also constructing sewage disposal plant. $20,000. Noted July 19.

Minn., Crookston—Interstate Power Co., L. Peterson, local mgr., filtration plant, incl. two each 40 x 100 ft. filter and sedimentation beds. B. M. Loken, city clk.

Minn., Hancock—Waterworks. $20,000. Druar & Milinowski, 509 Globe Bldg., St. Paul, engrs.

Ark., Helena—West Helena Water Co. preliminary plans 250,000 gal. concrete reservoir, extending distribution system. $50,000.

Tex., Archer City—City, c/o Secretary, soon takes bids waterworks improvements. $40,000, voted for same. Noted July 26.

Tex., Port Neches—Soon takes bids waterworks improvements, extending distributing system pumping unit, etc. $45,000. H. L. Thackwell, Jacksonville, engr. Noted July 5.

Okla., Konawa—Preliminary plans new water supply, incl. reservoir, filter plant, pumping equipment. $150,000. Benham Eng. Co., Gumbel Bldg., Oklahoma City, engrs.

Okla., Locust Grove—New waterworks, incl. tank on tower, wells, distribution system. $25,000. Milliken & Whiteneck, 312 South West Natl. Bank Bldg., Oklahoma City, engrs. Noted June 14.

Okla., Sentinel—Preliminary plans new water supply, incl. 9,000 ft. 8 in. pipe line, centrifugal pumps, pumping equipment. $60,000. C. A. Wood, Stillwater, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Tulsa—Bids in September filtration plant. Noted June 21.

Ore., Grants Pass—Waterworks. $450,000. Barr & Cunningham, Spalding Bldg., Portland, engrs.

Calif., Signal Hill—Two 10,000 bbl. water tanks. F. E. Godso, city engr.

Calif., Signal Hill—For 6 mi. 6- to 14-in. c.i. mains, valves. F. E. Godso, city engr.

Bids Desired

N. Y., Amagansett—Aug. 25, by Amagansett Water Co., Inc., H. N. Edwards, pres., 6 mi. 10 in. and up c.i. pipe, 100,000 gal. steel tank on tower; adv. E. N.-R., Aug. 9.

N. Y., Brooklyn—Aug. 14, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Highland Blvd., Avenues K, M, T and Z, Coney Island, Flatlands, Porter, Troy, 12th and 15th Aves., Coleman, Halsey, Stockholm, 43d, 44th, 51st Sts.

N. Y., Collins — Aug. 23, by Superintendent Standards & Purchase, Albany, driven well, pump and pump house at Thomas Indian School, Iroquois; adv. E. N.-R. Aug. 9. This corrects report in Aug. 2 issue.

Md., Baltimore—Aug. 15, by Bd. Awards, c.i. pipe and fittings to Bureau Water Supply. E. G. Rost, water engr.

O., Miles Heights (br. Cleveland)—Aug. 13, by Village, water mains in Lee Heights Blvd., Ingleside, Invermere, Strandhill, Gladstone and Normandy Rds. To exceed $25,000. W. J. Rogers, Town Hall, engr.

Minn., Rosemount—Aug. 17, by J. J. McLafferty, village clk., pump house, with deep well pump. Druar & Millinowski, 500 Globe Bldg., St. Paul, engrs. Noted Apr. 12.

Kan., Centralia — Aug. 16, by W. R. Wolff, clk., 50,000 gal., 60,000 gal. or 75,000 gal. tank on 70 ft. tower, 33,156 ft. 4- to 8-in. c.i. pipe, etc. $43,000. Noted June 21.

S. D., Madison — Aug. 17, by J. W. Emberg, city aud., brick well house, 30 in. diam. rein.-con. well 27 ft. deep, two 500 g.p.m. centrifugal pumps, 700 ft. 8 in. c.i. mains. C. A. Trimmer, city engr.

Tex., Corsicana—City, c/o Mayor, taking bids extending waterworks. $60,000. Hawley & Freese, 411 Capps Bldg., Ft. Worth, engrs.

Calif., Compton—City Council taking bids 24,796 ft. 2 and 4 in. c.i. mains 9,780 ft. 1-in. copper (open bell and spigot pipe), hydrants, valves, fittings. C. A. Parrish, city engr.

Ont., Riverside—See "Streets and Roads."

See proposal advertising on page 133

Constr. News page 69

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Laid 10 miles of water main—and satisfactory in every particular!

—said a waterworks engineer of national reputation, referring to this installation

Here is the story:—

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

Lead Joints	$155,631
LEADITE Joints	142,535
Difference	$ 13,096
Saving in favor of **LEADITE**	8.4%

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

Specifications required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

Contracts Awarded

R. I., Saylesville (Ind. br. Pawtucket)—Sayles Finishing Co., 1 story, water purification plant, plain found., brick, to Central Eng. & Constr. Co., 210 Main St., Pawtucket. Est. $40,000.

N. J., Jersey City—Bd. City Comrs., City Hall, excavating, backfilling for 24 in. watermains in Charlotte Ave., to R. Mozzoni, 506 9th St., West New York. Noted Aug. 2.

Md., Baltimore—Bd. Awards, mains in Old Frederick Rd., Harlem Lane, Edmonson and Melvin Aves., to Ligon & Ligon, 3110 Ridgewood Ave., $57,217. Noted Aug. 2.

Ga., Barnesville—City, c/o E. L. Coleman, mayor, raw water pumping station, intake, 8 in. supply main, filtration plant, to A. Pew, Jr., 1020 Columbia St. N.E., Atlanta, $27,230; two 350 g.p.m. centrifugal pumps, to Murphy Equipment Co., Mchy. Hurt Bldg., Atlanta, $568. Noted June 28.

Miss., Brookville—Mayor, 7,000 ft. 6 in. c.i. pipe spirals, to Amer. Cast Iron Co., Acipico, Birmingham, Ala.; fire hydrants, valves, boxes, to Columbia Iron Wks., 2501 Chestnut St.; general work, to Bates & Reed, Wiggins. Est. $20,000.

Miss., Europa — Waterworks, filtration plant, to B. E. Walker, Jackson, $11,423. Noted Sept. 29.

Ky., Fulton—Waterworks improvements in Dist. 1, to Carey-Reed Co., Lexington, $11,699; Dist 2, to W. M. Hill & Sons, Fulton, $9,239.

O., Mogadore—Watermains to connect with Akron mains at corporate limits, to W. B. Kester Co., 358 North Firestone Bldg., Akron, $25,693. Est. $25,000.

O., Warrensville Heights (br. Cleveland)—To Abood & Lewis, 646 Huron Rd., Cleveland mains in Marvin Ave. $9,757; to Angelo Marra Co., 1479 Green Rd., Cleveland, mains in Preston Ave. $9,757, Sumpter Ave. $8,764, water connection $8,136. Grand total $26,414.

Ind., Laporte—Bd. P. Wks., water clarification plant, to Larson & Danielson, Laporte, $123,920. Noted July 19.

Mich., Detroit—Dpt. Water Supply 1.5 m.g. elevated steel tank, John R. Street and State Fair Ave., to Chicago Bridge & Iron Wks., 105th St., Chicago, Ill., $124,650.

Wis., Milwaukee—For 3,272 ft. 6- to 48-in. c.i. mains, to Wenzel & Henoch Co., 498-27th St., $42,772.

Mo., Perryville—City Clerk, general contract, Contr. 1, to Merkle Contg. Co., 413 City Bank Bldg., Kansas City $84,900; tower and tank, Contr. 2, to J. Schofield's Sons, Macon, Ga. $5,200. Noted July 5.

Tex., Brownsville—Water Impvt. Dist. 6, Cameron Co., pumping unit, 36,000 gal. capacity, 36 in. pump, 150 hp. motor at Villa Nueva, near here, to Dayton-Dowd Co., 365 York St., Quincy, Ill., $30,000.

Okla., Enid—Extending 48,200 ft. 4- to 12-in. mains to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $67,482. Est. $73,000. Noted June 7.

Okla., Konawa—For 10,000 ft. 8 in. c.i. emergency water supply line from city to Wolf Spring, to E. W. Baker Co., Perrine Bldg., Oklahoma City, $16,650. Est. $17,000.

Okla., Sasakwa—New waterworks, incl. 17,700 ft. 2- to 6-in. c.i. mains, deep well pump and motor, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $28,475. Est. $30,000. Noted July 19.

Ont., Glencoe—G. George, clk. City Council, laying mains, to F. F. Fry, 43 Scott St., Toronto, $13,236; mains to National Iron Corp., Cherry St., Toronto, $18,248; elevated tank to Horton Steel Works, Bridgeburg, $10,725; hydrants and valves, to Canada Hydrant & Valve Co., Brantford, $4,099; service materials, to Canada Brass Mfg. Co., Galt, $2,522. Grand total $48,830.

Sewers

Proposed Work

N. Y., Buffalo—Commissioner P. Wks., Municipal Bldg., 10 in. vitr. tile sewer in Taunton Pl. and Grover Cleveland Park, 15 in. in Dutton Ave. C. E. P. Babcock, Municipal Bldg., city engr.

N. Y., Buffalo—For 750 ft. 10 and 12 in. vitr. sewers in Dallas Rd. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Buffalo—G. Fisk, comr. Dpt. P. Wks., Municipal Bldg., changes in Hertel Avenue Sewer Outlet. C. E. P. Babcock, Municipal Bldg., eng.

N. Y., Buffalo—G. F. Fisk, comr. P. Wks., eliminating syphon by constructing 9.5 ft. trunk sewer in Hertel Ave. at Delaware, Lackawanna & Western R. R. tracks. C. E. P. Babcock, Municipal Bldg., engr.

N. J., Bayonne—Bd. City Comrs., City Hall, preliminary plans relief sanitary sewer in Ave. F. between East 22nd and 29th Sts. $56,483. W. Clarkson, city engr.

N. J., Irvington (br. Newark)—Bd. Freeholders Essex Co. Hall Records Bldg., Newark, storm drain Springfield Ave. $25,000. W. H. Stickel, Hall of Records Bldg., Newark co. engr.

N. J., Trenton — City Comn. Drains through Oliver Ave. and over private lands. $39,000. A. C. Gregory, Trenton, engr.

O., Akron—F. E. Swineford, dir. Pub. Serv., 5,595 ft. 30- to 120-in. vitr. clay or segmental block trunk sewers in Home Ave. $360,000. A. B. Backherms, Municipal Bldg., engr.

O., Akron — F. E. Swineford, dir. Pub. Serv., soon takes bids 6,690 ft. 8 in. vitr. clay sewers in Reed Ave. et al. $29,000, 2,620 ft. 30 in. vitr. clay or segmental block sewers along Camp Brook. $42,000. A. B. Backherms, Municipal Bldg., engr.

Wis., Fennimore—Sanitary sewerage system, incl. disposal plant. $30,000. J. Davy, La Crosse, consult. engr.

Neb., South Sioux City—Postponed indefinitely, taking bids 13 mi. 8- to 24-in. sewers. W. E. Buell & Co., Grain Exch. Bldg., Sioux Falls, Ia., engr. Noted June 7.

Okla., Burbank—Preliminary plans new sanitary sewerage system. $30,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engrs.

Okla., Enid—Disposal plant alterations and additions. $35,000. F. C. Magruder, Enid, engr.

Okla., Geary—Preliminary plans outfall sewer, new disposal plant. $30,000. J. E. Young, mayor, engineer not selected.

Okla., Hobart—Extending 17,000 ft. 8 in. sanitary sewers. $29,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Marlow—Rejected bids July 20, 2 mi. sewer extensions. $25,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Okcene—Bids in September, sewers. $47,000. E. A. Jones Eng. Co., 302 Stephenson Bldg., Enid, engr. Noted July 5.

Okla., Perry—Preliminary plans new sewage disposal plant, Imhoff tank. $29,666. C. A. Wood, Stillwater, engr.

Okla., Texola—New sewerage system. $27,500. C. A. Wood, Stillwater, engr.

Calif., Alturas—Making estimates sewerage system, disposal plant. $100,000 or more. S. Mushen, city engr.

Calif., Gridley—Sewers in Oak, Evans and Sheldon Aves. To exceed $25,000. N. Ware, city engr.

Calif., Los Angeles—For 1,293 ft. sanitary sewers, 12.51 mi. storm drain in Arroyo de la Sacatella Sect. 3. L. W. Armstrong, City Hall, engr.

Ont., Orillia—Council, R. A. Brown, mayor, extending sewerage system. $85,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., Palmerston—Council sewerage system. G. G. Reid, 301 Metropolitan Bldg., Toronto, engr.

Bids Desired

Mass., Medford (br. Boston)—Aug. 16, by Metropolitan District Comn., Sewer Division, 2,647 ft. 60 to 75-in. concrete sewer from Prescott St. northwesterly, Sect. 109 New Mystic Valley Sewer, North Metropolitan System. J. R. Rablin, Metropolitan Dist. Comn., Boston, engr.

Mass., South Boston (sta. Boston)—Aug. 13, by Dpt. P. Wks., Boston, sewerage works in West 1st and Clafton Sts. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Aug. 15, by J. J. Bryne, pres. Brooklyn Boro, sewers in Farragut Rd., North 14th and East 94th Sts.

N. Y., Buffalo—Sept. 4, by G. F. Fisk, comr. Dpt. P. Wks., Municipal Bldg., sewer and water connections at New York State College for Teachers, here; adv. E. N.-R. Aug. 9.

N. Y., New York—Aug. 14, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves. sewers in Bussing and Nereid Aves., Pelham Parkway South.

N. J., Glen Ridge—Aug. 27, at Council Chamber of Glenridge Boro, 12,400 ft. precast or monolithic concrete sewers in Contr. 2, Joint Third River Sewer, for Borough of Glen Ridge and Towns Bloomfield and Montclair H. P. Eddy, Jr., ch. engr.; adv. E. N.-R. Aug. 9.

Pa., Phila.—Aug. 15, by Dpt. P. Wks., Bureau of Engineering, Schedule A, branch sewers; Schedule B main sewers in Robbins St., Tabor and Mansfield Aves.

D. C., Wash.—Aug. 21, by Commissioner, 9,153 lin.ft. 19 in. to 4 ft. sewer.

La., East Baton Rouge — Aug. 14, by Police Jury, 3,760 ft. 12- to 24-in. sewer, 9,875 ft. curbing, Sub-Road Dist. I. U., Edgewood Lawn. A. G. Mundinger, Baton Rouge, engr.

O., Akron—Aug. 22, by F. E. Swineford, dir. Pub. Serv., 1,642 ft. 8- to 30-in. vitr. clay or segmental block relief sewers in Adams St. and Right-of-Way, $26,700—4,485 ft. 8- to 24-in. vitr. clay 1,275 ft. 30 in. segmental block trunk and lateral sewers in Van Everett Ave. et al. $45,000. A. B. Backherms, Municipal Bldg., eng.,

O., Miles Heights (br. Cleveland)—Aug. 13, by Village, sewers in Lee Heights Blvd., Ingleside, Invermere, Standhill, Gladstone and Normandy Rds. To exceed $25,000. W. J. Rogers, Town Hall, engr.

Ill., Chicago — Aug. 14, by Bd. Local Impvts. M. J. Faherty, pres., tile sewers.

Ill., Columbia—Aug. 14, by City Clerk, 35,650 ft. 8- to 12-in. vitr. clay and 140 ft. 10 in. c.i. pipe, 10 flush tanks, 77 plain and 19 drop manholes, 36 lamp holes, settling tank, sludge bed. $70,000. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engr. Noted July 12.

Wis., Loyal—Aug. 14, by Village, W. Meyer, clk., 23,000 ft. 10 and 12 in. sewers, disposal plant, Imhoff tank, sludge bed, etc. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Mo., St. Louis—Aug. 14, by Bd. P. Serv., City Hall, vitr. clay, brick, segmantal block pipe in Hampton Ave. Joint Sewer $35,680—Desperes Dist. Sewer 4, $18,000—Wherry Ave. Dist. Sewer 2 $8,480—vitr. clay pipe in Rock Creek Sewer 14 $3,440,16, $750—17 $3,960—Highland Dist. $1,650. W. W. Horner, City Hall, engr. Noted July 19.

Calif., Gridley—City bids about Sept. 1, installing sewers in new sewer district. $25,000. N. Ware, city engr.,

Calif., Huntington Park—W. P. Mahood, city clk., taking bids 10,295 ft. 8- to 12-in. vitr. sewers, house connections in 58th St. H. S. McCurdy, city engr.

Ont., Riverside — See "Streets and Roads."

Contracts Awarded

N. J., Montclair—Bd. Town Comrs., Municipal Bldg., lateral sewer in Bellevue Ave., to P. Stolla, Glen Ridge, $32,100. Noted July 26.

Md., Baltimore—Bd. Awards, sanitary sewers and storm drains in Storm Water Contr. 118, to W. H. Thompson, Relay, $26,910. Noted Aug. 2.

O., Akron — F. E. Swineford, dir. Pub., Serv., 6,000 ft. 8- to 39-in. segmental block trunk sewers in Orchard Rd., West Market St., Mull Ave. et al., to B. F. Perry, 788 Noble Ave., $68,689. Est. $80,700. Noted July 26.

O., Bay (br. Cleveland)—To George & Ameen Constr. Co., Erie Bldg., Cleveland, sewers in Oakmoor Dr. $19,773; Hall Rd. $11,834; watermains in Oakmoor Dr., $7,470. Noted July 26.

O., Canton—Stark Co., sanitary sewers in Sect. 3, Edgefield and North Canton Rd., to Nickles Bros., 1533 Tuscarawas St. E., $25,897. Est. $30,000.

O., Cleveland — Comrs. Cuyahoga Co., 3,800 ft. 60 in. concrete sewers in Solon Blvd. (Impvt. 1100), to Cogito Constr. Co., 12616 Corlett Ave., $44,490. Noted July 19.

O., Cleveland — Comrs. Cuyahoga Co., sewers in Wagor Rd. (Impvt. 605), to J. Kahill & Jackson, 13011 Triskett Rd., $57,438.

Mich., Detroit—Dpt. P. Wks., 12-24 in. vitr. Lateral sewer 4950, to Waterbury Constr. Co., Transportation Bldg. $40,897 concrete Lateral sewer 4993, to Iannf Constr. Co., 2237 St. Joseph Ave. $16,321; Lateral sewers 5071 and 5077, to Louwers & Summerville, 1224 Michigan Theatre Bldg., $18,560 and $25,560 respectively. Grand total $101,338.

Mich., Detroit—Dpt. P. Wks. Lateral Sewer 4950 between Lahser, Blackstone, Vassar and Hessel Aves., 12- to 24-in. vitr. clay pipe, brick manholes, to Water-

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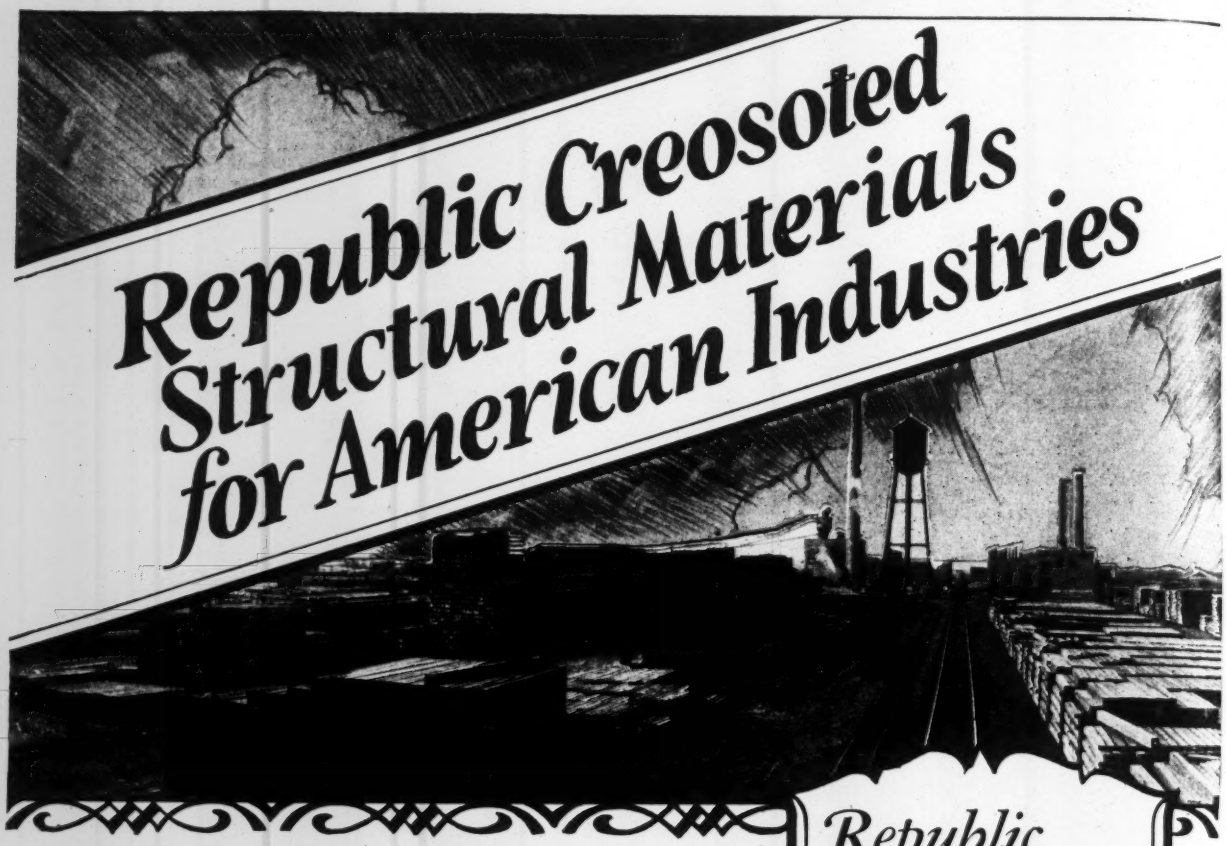

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Home Office and Plant — Indianapolis, Indiana

OTHER PLANTS

ST. LOUIS PARK, MINNESOTA — SALT LAKE CITY, UTAH

SEATTLE, WASHINGTON — MOBILE, ALABAMA — NORFOLK, VIRGINIA

Sewers (Continued)

way Constr. Co., Transportation Bldg., $40,897.

Ill., Chicago—M. J. O'Brien, clk. Sanitary Dist. of Chicago, T. J. Crowe, pres., 910 South Michigan Ave., West Side Sewage Treatment Works, Div. O, to Warner Constr. Co., 173 W. Madison St. $1,677,-667.35. Noted July 5.

Ia., Council Bluffs — Sewers, to Jack Boyene Constr. Co., 118 South Main St., $93,921; to Wickham Bridge & Pipe Co., 1905 West Bway., $15,150.

Ia., Neola — Sewers, disposal plant, pumps, pump houses, to Craig Eng. Co., 1431 41st St. Des Moines. Est. $30,000. Noted July 19.

Ark, Fayetteville—Complete sewage disposal plant, to C. E. Pierce, Fayetteville, $57,545.

Ark., Little Rock—Sanitary sewers, incl. 22,200 ft. 6- to 10-in. vitr. clay pipe in Hollenberg & Lincoln Park additions, Sewer Impvt. Dist. 113, to L. L. McEachin Co., Home Insurance Bldg., Little Rock, $35,767.

Neb., St. Paul—Sewerage system, 14,360 ft. 8- to 12-in vitr. pipe, 5 flush tanks, 1,000 ft. 3 in. galvanized pipe, to H. J. Peterson Co., Omaha, $19,145. Noted July 5.

Tex., Ft. Worth—City, c/o C. E. Carr, mgr., improving disposal plant, to Walker Constr. Co., Builders Exch. Bldg., San Antonio, $778,747. Noted June 7.

Calif., Lynwood—For 14,041 ft. 6- to 10-vitr. sewers in Bullis St., A and I 22, to Drainage Constr. Co., Box 345, Santa Ana, $36,141.

Bridges

Proposed Work

Vermont—State Hy. Dpt., Montpelier, received no bids July 20, 2 bridges in Danby. Noted July 19.

N. J., Trenton—Pennsylvaia R.R. Co., T. J. Skillman, ch. engr., Broad St. Sta., Phila., Pa., 80 ft. girder span bridge, 45 ft. wide, 2 abutments over Assunpink Creek, on Oak St. $25,000. Private plans.

Neb., Wayne—C. W. Reynolds, clerk Wayne Co., rejected bids July 3, 70 ft. steel span, 40 ft. girder, 20 ft. steel I-beam, and 16 ft., concrete slab bridges. Noted June 28.

Missouri—Chicago, Rock Island & Pacific R.R. Co., C. A. Morse, ch. engr., La Salle St. Sta., Chicago, Ill., soon takes bids rein.-con. bridge over railroad tracks at Schuetz Rd. between Olive St. and Lackland Rd., St. Louis Co. $50,000.

Mo., Excelsior Springs—Rein.-con. viaduct between west end Bway. and Kansas City Ave. $25,000. H. G. Hopkins, city mgr.

Tex., Athens—Henderson Co., c/o C. H. Curlee, judge, Athens, 2½ mi. steel, concrete overpass, approaches over Texas and New Orleans R.R., on Hy. 31 Federal Aid Project 545-D. $58,000. Address S. J. Treadway, Athens, resident engr.

Tex., San Antonio—City, c/o C. M. Chambers, mayor, probably 1 span rein.-con., steel bridge, on Josephine St., $28,000; rein.-con. bridge, on Grayson St., $30,000, both over San Antonio River. I. Ewig, City Hall, engr.

Okla., Collinsville—Tulsa Co. preliminary plans 4 span 120 ft. rein.-con. bridge over Horse Penn Creek, near here. $30,000. H. A. Parker, Tulsa, co. engr.

Okla., Texola—State Hy. Dept., Oklahoma City, preliminary plans 6 span 116 ft. rein.-con. bridge over Deep Prairie Creek, Beckham Co. $30,000. C. R. Mandigo, hy. engr.

British Columbia—See "Railways."

Bids Desired

Mass., Boston—Aug. 28, by Dpt. P. Wks., rebuilding concrete, steel bridge over New York, New Haven & Hartford R.R., on River St. $90,000 bond. J. H. Sullivan, comr. Noted Feb. 2.

Connecticut—See "Streets and Roads."

New Jersey—Aug. 27, at office State Hy., Trenton, construction double leaf simple trunnion bascule bridge over Cape Island Creek, at Schellinger's Landing, State Hy. Route 14, Cape May Co.; adv. E. N.-R. Aug. 16.

New Jersey — Aug. 27, by State Hy. Comn. Trenton, repairing bridge at Island Heights, at Matawan Creek on Route 4 and Old Man's Creek on Route 17-S; adv. E. N.-R. Aug. 16.

Pa., Phila.—Aug. 15, by Pennsylvania R.R. Co., E. B. Temple (ch. engr. eastern region), 607 Broad Sts. Station, approach girder span, signal bridges in place over Newark Bay, Contr. 101.

W. Va., Huntington—Aug. 31, by Cabell County Court, one 29 ft. six 20 ft. steel span bridge viaduct type, one 64 ft. thru-truss span bridge J. M. Oliver, co. road engr., adv. E. N.-R Aug 9.

Kentucky—See "Streets and Roads."

Mich., Lansing—Sept. 6, by City Clerk, Logan St. Viaduct; adv. E. N.-R. Aug. 9.

Neb., Omaha — Aug. 21, by G. Berger, clerk of Douglas Co., Court House, constructing and repairing all bridges in Douglas Co. for 1 year. L. Adams, co. engr.

Missouri—Aug. 10, by State Hy. Comn., Jefferson City, rein.-con., steel bridges in Chariton, Clinton, Dallas, Daviess, Dunklin, Greene, Harrison, McDonald, Reynolds, Warren and Worth Counties. T. H. Cutler, ch. engr. Noted July 19.

Tex., Big Springs—City, Howard Co. and Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., Dallas, taking bids 250 ft. steel center span and 575 ft. concrete approach vehicular bridge over Gregg St. crossing. $125,000. Address W. V. Montin, city mgr. Noted July 19.

Calif., Auburn — Placer Co. bids about Aug. 20, 2 rein.-con. over head crossings over Southern Pacific R.R., about 2 mi. east of here. $45,000. C. H. Purcell, Sacramento, engr.

Calif., Redding—Aug. 22, by State Hy. Comn., Sacramento, repairing bridge, consisting one 320 ft., one 180 ft., one 60 ft. and one 40 ft. steel truss span, and 787 ft. timber trestle of which 90 ft. west approach needs no repairs over Sacramento River, point 1 mi. east of here. C. H. Purcell, Hy. Bldg., Sacramento, engr.

Contracts Awarded

Vermont—State Hy. Dpt., Montpelier, 3 bridges in Baintree, to Central Constr. Co., Essex St., Lawrence, Mass., $26,178—2 bridges in Baintree to L. E. McLaughlin, Inc., 217 Jefferson Ave., New London, Conn. $11,348—bridge in Braintree, to Capitol Constr. Co., Montpelier, $8,108—bridges in Pittsfield, to J. Calkins, Rochester, $26,-449—bridge in Readsboro, to J. B. Stebbins., North Adams, Mass., $7,396. Grand total $79,479. Noted July 19.

Massachusetts — Dpt. P. Wks., State House, Boston, 2 rein.-con. bridges, approaches in Princeton and Sterling, to T. J. Hynes & Son, Wales, $14,474. Noted July 19.

Mass., Chesterfield—Dpt. P. Wks., State House, Boston, 550 ft. rein.-con. bridge, approaches, to Warner Bros. & Goodwin, Sunderland, $10,163. Noted July 12.

N. Y., Buffalo — G. F. Fisk, Municipal Bldg., filling approach to two Bailey Ave. Bridges over Cazenovia Creek, to M. L. Rupp, 46 Haven St., $41,400. Noted May 17.

N. Y., Buffalo—Comrs. Erie Co., County Hall, bridge over Buffalo Creek on Transit Rd., Project 52, to B. Behringer, Genesee St., Forks, $40,800; widening bridge over Cazenovia Creek, on Union Rd. Project 53, to Stapell, Mumm & Beals, Inc., Camp Rd. and Erie R.R., Hamburg, $39,689.

New Jersey—State Hy. Comn., Trenton, bridge over Pennsylvania R.R. at Adams Station, Middlesex Co., to Collins & Maxwell, Inc., Easton, Pa., $119,586. Noted Aug. 2.

N. J., Mt. Holly—Burlington Co., concrete bridge over Wading River at Wading River, to F. W. Schwiers, Jr., 90 West St., New York, $94,746.

Pa., New Castle—Comrs. Lawrence Co., Court House, 155 ft. through steel riveted truss span bridge over Neshannock Creek, East Brook, to Purdy & Sanders, Clinton. Est. $25,000.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, Bridge 2, over Allegheny River at 6th St., paving bridge, approaches, to Booth & Flinn, Ltd., 1942 Forbes St., $41,458. Est. $53,000.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, Bridge 6, over Allegheny River at 31st St., paving bridge, approaches, to Booth & Flinn, Ltd., 1942 Forbes St., $83,-366. Est. $100,000. Noted Feb. 9.

Maryland — State Roads Comn., Baltimore, double span steel, concrete girder bridge Contr. F-116, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $12,450. Noted July 26.

South Carolina—State Hy. Dpt., Columbia, concrete bridge over Little River, Richland and Fairfield Counties, to D. M. Rickenbaker, Union, $25,406 — concrete bridge, Laurens Co., to N. C. Hughes, Columbia $17,288—concrete bridge Chester Co., to C. Y. Thomason, Greenwood, $6,653—rein.-con., bridge and culverts Saluda Co., to P. Gilmore, Spartanburg, $4,792. Grand total $54,139. Noted Aug. 2.

Alabama—State Hy Comn., at office State Hy. Dept., Montgomery, to Bosworth-Smith, Co., Montgomery, bridges on S-237, Russell Co. $13,851—S-109-B, Henry and Dale Counties, $37,665—S-214, St. Clair and Talladega Counties, $29,608—F. A. P. 200-A, Talladega and Calhoun Counties $18,212—to Lamb & McLemore, Eutaw, S-256-A, Washington Co. $21,737—S-296, Dallas Co. $26,422—S-299 Lamar Co. $34,-977—to J. R. Chambliss, Tampa, Fla., S-256, Choctaw Co. $61,204—S-256-B, Washington and Choctaw Counties $44,240—to Garrett Bros., Camp Hill, S-51-B, Madison Co. $54,383—to Cox & Bryson, Orlando, Fla., S-60 Baldwin Co., $19,767—to Royce-Kershaw, Jacksonville, Fla., S-81-BD, Tuscaloosa Co. $29,278—to Dugger Bridge Co., Roderville, Tenn., S-190-C, Morgan Co. $25,262—to Atlantic Bridge Co., Greensboro, N. C., S-186 Cullman and Marshall Counties $53,197—to M. E. Martin, Selma, S-211, Autauga Co. $32,635—to E. Pettus, Montgomery, S-243 Butler Co. $30,688—to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, S-298 Pickens Co. $25,674—to L. C. Britton, Jasper, S-329 Walker Co. $21,016—to B. C. George, Montgomery, S-333 Marion Co. $12,457—to J. B. McCrary Co., Citizens Savings Bank Bldg., Atlanta, Ga., FAP-200-C, Cleburne Co. $31,195. Grand total $623,468 Noted June 28 under "Streets and Roads."

Mississippi—Harrison Co. (Gulfport) and Jackson Co. (Pascagoula), concrete, steel bridge across Biloxi Bay from Biloxi to Ocean Springs, to Fuller Constr. Co., Memphis, Tenn., $811,746. Noted June 7.

Ohio—H. J. Kirk, dir. Hys., Columbus, constructing number small bridges on Section "Various Bridges" in Monroe Co., to McDonald Constr. Co., Norwalk, $39,999—3 span concrete beam bridge with gravel approaches Sect. "D" Scioto Co., to E. E. Shafer & Son, Croton, $21,468. Noted July 19.

O., Akron — F. E. Swineford, dir. Pub. Serv., four 45 ft., one 65 ft. and one 60 ft. girder type bridge, Trinidad Paving, East Center St., to T. E. McShaffrey Constr. Co., 173 South Forge St., $133,357. Est. $160,000.

O., Akron—Comrs. Summit Co., 1 span 35 ft. rein-con., bridge with retaining walls along river bank Case Ave., to Purdy Contr. Co., Mansfield, Trinidad asphalt $25,011. Noted July 12.

Ill., Peoria—Peoria Co., one 20 ft. one 30 ft., one 80 ft. and three 50 ft. spans rein.-con. and steel bridge on Peoria-Edwards Rd., to R. A. Callanan Co., Tremont, $36,000.

Wis., Milwaukee—State Hy. Comn., Madison, 4 span, 255 ft. rein.-con., bridge over Milwaukee River, on Bender Rd., to D. Libby & Co., 345 Temple Court, Minneapolis, Minn., for Milwaukee co. and State Hy. Comrs., $62,666. Noted June 7.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Oklahoma Ave. and Euclid Ave. Bridges, to A. C. Guetzkow, 3706 Sarnow Pl., $37,400. Est. $25,000 each.

Iowa—State Hy. Comn., Ames, three 70 x 20 ft. and one 50 x 20 ft. pony truss bridges, one 40 x 24 ft. I-beam bridge, 5 culverts, extensions, Cerro Gordo Co., to C. A. Holvik, Mason City, $34,840—16 x 24 ft. slab bridge, 20 culverts, extensions, Howard Co., and 32 x 24 ft. I-beam bridge, 30 culverts, extensions, Winneshiek Co., to J. B. Elliott, Independent, $12,000 and $17,380 respectively—46 x 24 ft. deck girder bridge with 5 ft. walk, Jones Co., to H. O. Graham, Security Bldg., Cedar Rapids, $4,940—50 x 20 ft. pony truss and 110 x 20 ft. high truss bridges, Mills Co., to F. O. Akin, Corning, $30,975—60 x 20 ft. pony truss bridge, Montgomery Co., to Wilson Constr. Co., Red Oak, $8,455—two 40 x 18 ft. I-beam approach spans, 6 culverts, extensions, Warren Co., to C. R. Yeggs, Boone, $6,933—32 culverts, Clayton Co., to E. C. O'Hair, Thompson, $9,522—16 culverts, Montgomery Co., to C. Jensen, Thompson, $14,100. Grand total $139,145. Noted July 19.

Kan., Olathe—Johnson Co., three 45 ft. deck girder span bridge on Project 514, to Rand & Miller, 1920 West 43rd St., Kansas City, $10,908; four 70 ft. steel truss span bridge, Federal Aid Project 264-E, to Campbell Bros., 608 Manufacturers Exch. Bldg., Kansas City, Mo., $25,136. Noted June 28.

Arkansas—State Hy. Dept., Little Rock, to S. K. Jones, Cotton Exch. Bldg., Memphis, Tenn., 492 ft. treated timber bridge, Cross Co., $14,986—to Arkansas General Constr. Co., Little Rock, 824 ft. treated timber bridge, and 1121 ft. earth embankment, Drew Co., $26,565; 1,535 ft. rein.-

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Bridges (Continued)

con. bridge, and 878 ft. earth approaches, Saline Co., $100,987; 857 ft. steel, concrete bridge, Logan Co., $34,267—to Reynolds & Sutton, Tyler, Tex., 100 ft., rein.-con. deck girder bridge, Miller Co., $20,151—to Cook & Ransom, Ottawa, Kan., 171 ft. rein.-con. bridge, and 1,832 ft. earth approaches, Montgomery Co., $21,350—to Atkinson Paving Co., Chillicothe, Mo., 250 ft. rein.-con. bridge, Hot Spring Co., $24,414, to Koss Constr. Co., 2818 5th Ave., Des Moines, Ia., 1,182 ft. rein.-con. bridge, approaches Garland Co., $222,751—to House & Treadwell, Carthage, 905 ft. treated timber bridge, 447 ft. earth embankment, Bradley Co., $22,784—to J. G. Newkirk, Mount Holly, 216 ft. treated timber bridge, Union Co., $5,500—to Altman-Rodgers Co., Oklahoma City, Oklahoma, 462 ft. concrete, timber bridge, 838 ft. earth embankment approaches, Yell Co., $39,820—532 ft. steel, rein.-con. bridge, 3,528 ft. earth approaches, Logan Co., $47,356—to Williamson & Williams, Batesville, 287 ft. wire suspension bridge, timber deck, Madison Co., $13,528—to McCartnet, Melville & Lamkins, Newport, 83 ft. steel and 81 ft. timber bridges, Poinsett Co., $20,346—to Gray & Hardeman, Minden, La., 146 minor drainage structures, Cross Co., $13,986. Grand total $628,791. Noted July 12.

Ark., Garfield—Benton Co. (Bentonville), rein.-con., steel bridge over White River at Fish Trap Ford, 7 mi. east of here, to Luten Bridge Co., A.O.U.W. Bldg., Little Rock, $24,125. Est. $25,500.

Ark., Little Rock—Missouri Pacific R.R. Co., E. & A. Hadley, ch. engr., Missouri Pacific Bldg., St. Louis, Mo., removing present timber bridge, constructing 143 ft. rein.-con. viaduct, 30 ft. roadway with two 5 ft. sidewalks, 25 ft. vertical clearance to carry street over railroad, to Ozark Eng. Co., Joplin, Mo. Est. $40,000. Noted June 14.

Tex., La Grange—Fayette Co., large drainage structures on Hy. 71, to L. E. Sanders, 400 Kendalia Ave., San Antonio, $37,508. Est. $37,800.

Colorado—State Hy. Dpt., Denver, steel, concrete bridge and viaduct between Grand Junction and Palaside, to H. A. Roush, 2447 Como Ave., St. Paul, Minn., $59,568.

Calif., Los Angeles—Concrete work in connection with steel bridge over Los Angeles River, on Glendale Blvd., to Lynch-Cannon Eng. Co., Chapman Bldg., $46,500. Noted Feb. 23.

Calif., Oakland—Alameda Co., concrete, steel girder bridge, on Niles Canyon Rd., to C. A. Bruce & Son, Pleasanton, $76,227.

Ont., Toronto—York Co., concrete bridge over Humber River at Lambton, near here, to Nelson River Constr. Co. Ltd., 124 Pears St., $242,000. Noted Feb. 17.

Dams

Proposed Work

N. C., Henderson — Virginia-Carolina Power Co., Richmond, Va., M. Smithey, atty., 2 large dams on Roanoke River, one at Buggs Island, and other some 20 or 25 mi. further down stream near here, $14,000,000.

Calif., Los Angeles — For 4 low dams, ranging from 40,000-50,000 ac.ft. water capacity in Big Tuguna Canyon, $1,000,000. E. C. Eaton, co. flood Control, engr. Noted Sept. 15, 1927.

Bids Desired

Ontario—Aug. 28, by J. W. Pugsley, secy. Dpt. Railways & Canals, Ottawa, A. E. Dubuc, engr., concrete dam at Lock 25, Trent Canal.

Railways

Proposed Work

Vermont—C. D. Parker and others, 150 Congress St., Boston, Mass., rebuilding 18 mi. line White River Ry. from Rochester to Bethel, $200,000. J. A. Cannon, Rochester, receiver, is in charge construction. Private plans.

Texas—Missouri Pacific Ry. Co., E. A. Hadley, ch. engr., St. Louis, Mo., surveys extending 50 mi. railway line from Carrizzo Springs to Eagle Pass. Private plans.

British Columbia — Canadian National Rys., H. A. Dixon, ch. engr., (Western Region), Winnipeg, Man., improving railway, incl. replacing bridges, 476 ft. concrete lined tunnel, filling and grading, etc. $450,000.

Contracts Awarded

Wisconsin—Bd. Harbor Comrs., Milwaukee, railroad system for Jones Island Harbor Terminal, to F. Doherty, 1360 37th St., Milwaukee, $116,950.

Ark., Saratoga — Arkansas Portland Cement Co., D. M. Pinkston, 420 Rector Bldg., 4.7 mi. standard gage spur track to Horton Price Constr. Co., Texarkana.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., Buffalo—City plans draining, grading Schiller Park. C. E. P. Babcock, Municipal Bldg., engr.

O., Lakewood (br. Cleveland) — Breakwater, filling in for park and bathing beach, along Lake Erie. $200,000-$410,000. E. A. Fisher, City Hall, engr.

Ia., Davenport—Postponed indefinitely widening, deepening, straightening Black Hawk Creek. $40,000. L. E. Sneary, City Hall, engr. Noted May 10.

Bids Desired

Mass., Framingham—Aug. 13, by Comrs. P. Wks., A. C. Winch, chn., straightening, widening and deepening section of Beaver Dam Brook. $15,000 or more.

N. Y., Buffalo—Aug. 15, by G. F. Fish, comr. P. Wks., Municipal Bldg., grading, Municipal Pier Lands, foot of South Michigan Ave. C. E. P. Babcock, Municipal Bldg., engr.

Tex., Brownsville — Southwest Development Corp., c/o D. W. Royhensies, Goshen, N. Y., taking bids dredging, terracing Rancho Giejo Resaca and constructing main dam at Grove Park, near here. $60,000. A. E. Anderson, Brownsville, engr.

Ont., Port Colborne—Aug. 15, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, repairing Western and Eastern Breakwaters, $100,000.

Contracts Awarded

Ill., Lawrenceville—England Pond D. D. levee work, incl. 436,512 cu.yd. excav., sluiceways, concrete forebay, to F. C. Morgan, 215 E.N.Y. 200, $39,076.

Ark., Osceola—Bd. Comrs. Sub-Dist. 4, Grassy Lake & Tyronza D.D. 9, Mississippi Co., redigging, enlarging existing ditch, constructing new ditches, to O. Kochtitzky Co., Cape Girardeau, Mo., $134,214. Noted July 19.

Streets and Roads

Proposed Work

Mass., Boston—Dpt. P. Wks., State House, laying out, reconstructing Sumner St., Brighton, and Perkins St. and Walnut Rd., Roxbury. $25,000 or more. J. H. Sullivan, comr.

Mass., Waltham (Ind. br. Boston)—Street Dpt., reconstructing Main St. from Beaver Brook to Car Barn. $45,000.

N. Y., Buffalo—G. F. Fisk, comr. Dpt. P. Wks., Municipal Bldg., grading, sidewalks, driveways, at Humboldt Park and around Museum of Science Bldg. R. J. Kinkel, Elmwood Music Hall, landscape archt.

N. J., Bogota—Bd. Boro Council, Administration Bldg., grading, concrete paving Munn Ave. $25,000. R. Schweizer, boro engr.

N. J., Cliffside Park (mail Cliffside)—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving Glenn St. $25,000. Mc Clave & Mc Clave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Englewood—Bd. City Council, City Hall, grading, curbing, concrete or bituminous macadam paving Lydecker St. and Herzog Pl. $25,000. E. Smullen, city engr.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving North St. $25,000. C. A. Van Keuren, city engr.

N. J., Maplewood (br. South Orange)—Twp. Comn., Twp. Hall, grading, rein.-con. or sheet asphalt on concrete paving Overlook Terrace, $25,000. E. R. Halsey, 73 Academy St., Newark, twp. engr.

N. J., Norwood—Soon lets contract grading, paving Somerset Rd. $40,000. W. G. Clark, 30 Church St., New York, engr.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall preliminary plans grading, rein.-con. or sheet asphalt paving Bloomfield Ave. from Kingsland Rd. to Daily St. $50,000. G. R. Hartley, Town Hall, engr.

N. J., Teaneck (mail West Englewood)—Twp. Com. Municipal Bldg., grading, 6 in. single line concrete paving Maple St. $25,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr.

Pa., Dormont — Allegheny Co. (Pittsburgh), grading, paving McNeilly Rd. between Dormont and Overbrook. $122,500. County Dept. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Port Vue (mail McKeesport)—Allegheny Co., Court House, Pittsburgh, improving Liberty Way. $74,000. County Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Tarentum—Allegheny Co., Court House, Pittsburgh, improving Tarentum-Culmerville Ridge Rd. $185,000. County Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Turtle Creek—Allegheny Co., Court House, Pittsburgh, improving Turtle Creek-Monroeville Rd. $175,000. Co. Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Va., Alexandria—Bd. Supervs. Arlington Co., soon takes bids widening 1 mi. Mt. Vernon Ave., 27 ft.

North Carolina—State Hy. Dept., Raleigh, grading, concrete or asphalt paving 8.412 mi. Project 6230, Catawba Co., $182,700—8.713 mi. Project 6352, Gaston Co., $217,300—5.294 mi. Project 6521, Mecklenburg Co., $135,200—6.799 mi. Project 7380, Forsyth Co., $155,800—10 mi. Project 3090, Bladen Co., $153,300—3.052 mi. Project 5030, Alamance Co., $69,600—9.342 mi. Project 2071, Craven Co., $203,600 — 8.263 mi. Project 225, Duplin Co., $271,400—13.569 mi. Project 359, New Haven Co., $217,000—6.098 mi. Project 3370, Cumberland Co., $84,600—7.961 mi. Project 1470, Bertie and Hertford Counties, $137,900—9.116 mi. Project 1061, Bertie Co., $176,700—grading, topsoiling 8.699 mi. Project 5530, Montgomery Co., $56,500—6.414 mi. Project 5830, Randolph Co., $41,700—4.786 mi. Project 4552, Orange Co., $31,000—6.146 mi. Project 451, Lee Co., $36,800—6.668 mi. Project 6000, Alexander Co., $48,000—clearing, grading 17.860 mi. Project 1900, Tyrrell Co., $138,400—1,822 mi. Project 355, New Hanover Co., $66,000. L. R. Ames, Raleigh, engr.

N. C., Greensboro—Comrs. Guilford Co. improving 2 mi. road from Battleground to Morehead Quarters. $40,000. G. L. Bain, Greensboro, engr.

Ala., Birmingham—Bd. Revenue Jefferson Co., joint paving 1 mi. Tarrant City, $20,000—8¼ mi. Rocky Ridge Rd., $200,000—1.7 mi. Jay Bird Rd., $36,000—1.1. mi. 14th Ave., Bessemer, $22,000—0.2 mi. Edwards St., Brighton, $5,000—1.2 mi. Shades Creek Parkway Rd., $26,000—0.3 mi. Montgomery Hy. to clubhouse, $7,500—1.5 mi. Crestline Rd., $33,000—1. mi. Country Club Rd., $25,000—½ mi. hy. from Vanderbilt Rd. to East Lake $15,000—1.7 mi. Tarrant City to East Lake, $22,000—0.9 mi. Tubercular Camp, $6,000—2.2 mi. Salter Rd., $53,000.

La., New Orleans—Grading, concrete, asphalt or brick paving 5 blocks Soniat St. from Magazine St. to Dock Bd. Roadway; grading, asphaltic concrete paving 5 blocks Soniat St. from Daneel to Freret Sts. $30,000 each. A. Vallas, City Hall, engr.

La., New Orleans — Grading, concrete, small block or asphalt paving Tchoupitoulas St. from Rice to Felicity Sts. $40,000. A. Vallas, City Hall, engr.

La., New Orleans—Grading, concrete, asphalt or brick paving 7 blocks Richard St. $40,000. A. Vallas, City Hall, engr.

La., New Orleans—Grading, sidewalks, asphaltic concrete paving 14 blocks Toulouse St. from North Genois St. to City Park Ave. $90,000. A. Vallas, City Hall, engr.

La., New Orleans—Grading, sewer and water mains, gas lines, bridging, concrete and asphalt paving 14 blocks Monroe St. from Pontchartrain Blvd. to Pritchard St., $85,000; grading, rein.-con., Belgian block or concrete with small paving block surfacing 5 blocks South Peters St. from Celeste to Race Sts., $30,000. A. Vallas, City Hall, engr.

Kan., Hutchinson—Reno Co. 6 in. concrete paving 2.851 mi. Sect. B, and 4.463

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Streets and Roads (Continued)

mi. Sect. C US Hy. 50S, Federal Aid Project 399. $172,000. W. A. Stacey, Hutchinson, co. engr.

Kan., Kingsman—Kingman Co. grading, bridging 8.187 mi. Federal Aid Project 341-E. 30 ft. C. C. Martin, Court House, engr.

Kan., Norton—Norton Co., grading 5.542 mi. U. S. Rd. 36, Federal Aid Project 345-B, 30 ft. J. P. Boesche, Court House, engr.

Kan., Oskaloosa—Jefferson Co., grading, bridging 0.838 mi. Federal Aid Project 276-E, RD-K-30, 30 ft. R. C. Ham, Court House, engr.

Kan., Smith Center — Preliminary plans grading, 4 multiple box span bridges 5.061 mi. U. S. Rd. 36, Federal Aid Project 364-C, 30 ft. R. D. Hutchins, Court House, engr.

Mont., Great Falls—Concrete curbing, paving 15,963 sq.yd. 2nd Ave. S. $50,000. M. L. Morris, city engr.

Mo., Joplin—Soon takes bids grading, concrete paving 3 blocks Picher Ave.—6 blocks C St.—8 blocks B St.—3 blocks Byers Ave. S. P. Ashcraft, Jr., City Hall, engr.

Mo., Sarcoxie—Paving 10 or 12 blocks. $25,000. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Ark., Dardanelle — Yell Co. soon takes bids grading, bridging gravel surfacing. $70,000.

Ark., Eldorado—Preliminary plans grading, curbing, concrete paving 10 blocks.

Ark., Prescott—Preliminary plans grading curbing, concrete paving 10 blocks Paving Dist. 8.

Texas—State Hy. Dpt., Austin, grading, bridging, bituminous macadam paving 14.73 mi. Hy. 117, State Aid Project 713, Carson Co., $75,000—grading, bridging 9.685 mi. Hy. 10, Comanche Co., $50,000—one course asphalt surfacing 22.6 mi. State Hys. 8 and 62, Jasper and Newton Counties, $32,000—grading, bridging, shell base paving 5.473 mi. Hy. 57, Calhoun Co., $75,000. G. Gilchrist, Austin, state hy. engr.

Tex., Albany—Shackelford Co. bound bituminous macadam on caliche and crushed rock bituminous bound paving 17.359 mi. Hy. 1 A. $285,000 J. E. Pirie, Albany, engr.

Tex., Lefors—Gray Co. grading, bridging 17.5 mi. Hy. 75. $110,000. C. L. Hasie, Lefors, engr.

Tex., San Antonio—City widening 9 blocks Josephine St. from Bway. to Jones St. $80,000. I. Ewig, city engr.

Tex., San Augustine—City c/o Secretary, soon takes bids paving. $40,000 voted for same.

Tex., Riogrande—Starr Co. grading, drainage structures 15.25 mi. Hy. 12-B. $125,000. H. Garza, Riogrande, co. judge.

Tex., Whitesboro—Soon takes bids paving. $25,000.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 93,000 sq.yd. U. S. Hy. 66, Blaine Co. $250,000—62,000 sq.yd. U. S. Hy. 66, Creek Co. $145,000—42,600 sq.yd. Hy. 33, $100,000 and 47,000 sq.yd. Hy. 42, $112,000, Logan Co.—58,000 cu.yd. U. S. Hy. 62, Pawnee Co., $137,000—sheet asphalt surfacing 18,860 sq.yd. U. S. Hy. 81, Canadian Co. $42,000—grading 10 mi. Hy. 9, Creek Co. $30,000—8 mi. Hy. 7, Kiowa Co. $30,000—9 mi. Hy. 18, Lincoln Co. $30,000—5.3 mi. Hy 18, Murray Co. $160,000—6 mi. Hy. 47, Pontatoc Co. $30,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans grading, 7 mi. Hy. 14, Kiowa Co. $35,000; 9 mi. Hy. 22, Love Co., $40,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 25,190 sq.yd. Hy. 11, Osage Co. $52,000—21,120 sq.yd. U. S. Hy. 70, Carter Co., $45,000—41,120 sq.yd. State Hy. 29, Carter Co., $90,000—grading 11 mi. U. S. Hy. 81, Jefferson Co., $45,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans concrete slab surfacing 21,120 sq.yd. Hy. 10, Choctaw Co. $48,000. C. R. Mandigo, hy. engr.

Okla., Altus—Grading, concrete paving 6,800 sq.yd. East Bway. $26,396. J. C. Chisum, Altus, engr.

Okla., Alva—Grading, concrete paving 7,750 sq.yd. 2nd St. $25,000. Peckham & Riggins, 603½ West Main St., Oklahoma City, engrs.

Okla., Bristow—Grading, concrete paving 12,470 sq.yd. West 4th St. $38,493. J. Gano, Bristow, engr.

Okla., Duncan—Grading, concrete paving 8,600 sq.yd. 14th St. $28,426. H. Sullivan, Lone Wolf, engr.

Okla., Elk City—Grading, concrete paving 7,600 sq.yd. 8th St. $28,840. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Enid—Grading, concrete paving 9,000 sq.yd. Apache and Choctaw Sts. $28,810; 13,000 sq.yd. East Randolph St., $38,910; 11,000 sq.yd. West Henderson St. $30,319. F. C. Magruder, Enid, engr.

Okla., Enid—Grading, concrete paving 13,400 sq.yd. East Pine St. $38,224. K. C. Magruder, Enid, engr.

Okla., Geary—Grading, concrete paving 9,175 sq.yd. West 3rd St. $28,106. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Guthrie—Grading, concrete paving 8,700 sq.yd. alleys. $27,342. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Holdenville—Seminole Co. grading 8 mi. Road 15, 30 ft., $45,000. R. Grace, Holdenville, engr.

Okla., Maud—Grading, concrete paving 10,200 sq.yd. Oxford and Harrison Sts. $38,466. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Medford—Grading, concrete paving 12,000 sq.yd. 3rd St. $37,311. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Norman—Grading, concrete paving 9,250 sq.yd. Wade, Gilkey Sts. $27,091. F. Cobb, Norman, engr.

Okla., Norman—Grading, concrete paving 11,000 sq.yd. Tulsa and Valley Sts. $31,256. F. Cobb, Norman, engr.

Okla., Oklahoma City—Preliminary plans grading, sheet asphalt paving 7,800 sq.yd. East 10th St. $37,500—12,800 sq.yd. East 23rd St. $61,200—grading, concrete paving 8,700 sq.yd. Jordon St. $34,317. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 11,725 sq.yd. 18th St. $47,820. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Widening, concrete paving 11,100 sq.yd. West 10th St., $46,937—grading, sheet asphalt paving 6,690 sq.yd. Virginia St., $28,618. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, concrete paving 6,800 sq.yd. North Geary Ave., $26,362—15 blocks Western St., $61,700—6,700 cu.yd. 33rd, 34th and 35th Sts., $33,972—9,175 sq.yd. Jordan St., $36,860. W. W. Small, City Hall, engr.

Okla., Tecumseh—Grading, concrete paving 9,100 sq.yd. Elm and Walnut Sts. $28,842. O. M. Drake, Shawnee, engr.

Okla., Tulsa — Grading, sheet asphalt paving 6,800 sq.yd. South Duluth St., $27,118—grading, concrete paving 10,375 sq.yd. England Addition, $31,709—widening 15 blocks Barton, Boulder and Main Sts., 20 ft., $65,000. B. M. Hart, City Hall, engr.

Okla., Tulsa—Grading, concrete paving 10,340 sq.yd. 12th St. $31,128—11,400 sq.yd. Cheyenne St., $34,886—7,100 sq.yd. Atlanta Ave. $29,411—15,750 sq.yd. Florence and College Sts. $46,763. B. M. Hart, City Hall, engr.

Okla., Waynoka—Grading, concrete paving 10,875 sq.yd. 3rd, Church and College Sts. $34,922. E. A. Jones, Enid, engr.

Okla., Woodward—Grading, concrete paving 17,860 sq.yd. Kate Ave. $55,310. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Colo., Denver—Asphaltic concrete paving Park Hill Paving Dist. 4. $65,989. A. K. Vickery, City Hall, engr.

Colo., Denver—Concrete paving 12 blocks Alley Paving Dist. 178. $25,785. A. K. Vickery, City Hall, engr.

Nevada—State Hy. Comn., Carson City, plans expending $1,107,088, constructing state highways, during year.

Wash., Seattle—Bd. P. Wks. soon takes bids repaving Jackson St. Dist. between Yesler Way and 4th Ave. $700,000. W. D. Barkhuff, city engr.

Calif., Berkeley—Grading 2 in. asphalt on 7 in. concrete paving 159,700 sq.ft. Ashby Ave. A. J. Eddy, city engr.

Calif., Los Angeles—Los Angeles Co., grading, curbing, walks, concrete and asphaltic concrete paving Compton Ave., Impvt. 364. To exceed $550,000.

Calif., Los Angeles—Los Angeles Co., grading, curbing, guttering, walks, 6- to 8-in. concrete paving 121,568 sq.ft. Market St. A. & I. 18. To exceed $45,000.

Calif., Los Angeles—Los Angeles Co., grading, curbing, guttering, walks, 7- to 9-in. concrete paving 115,650 sq.ft., 8 in. concrete paving 79,988 sq.ft. Santa Monica, Impvt. 616. To exceed $80,000.

Calif., Los Gatos—Curbing, walks, paving Oak Hill and Wilcox Aves. To exceed $25,000. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., Oroville—Butte Co., improving 17 mi. Deer Creek to Butte Meadows Rd. H. H. Hume, Oroville, co. engr.

Calif., Redwood City—Grading, curbing, guttering, 1½ in. warrenite on 2½ in. asphalt paving 305,400 sq.ft. Central Park Tract (Katherine and James Sts.). C. L. Dimmitt, city engr.

Calif., Sacramento—Sacramento Co., 2 in. asphalt shoulders 3 mi. H. St. Road. C. Deterding, Sacramento, co. engr.

Calif., Sacramento—Sacramento Co., asphaltic macadam paving 2½ mi. road near Rio Linda. C. Deterding, Sacramento, co. engr.

Calif., San Diego—Common Council, curbing, guttering sidewalks, 6 in. asphaltic concrete paving 339,044 sq.ft. Mountain View Dr.—6 in. concrete paving 81,579 sq.ft. Andrews, Columbia and other streets—6 in. concrete paving 287,492 sq.ft. Cass St. H. W. Jorgensen, city engr.

Calif., San Rafael—Curbing, guttering, 4 in. asphalt paving 39,000 sq.ft. and 5 in. asphalt paving 46,000 sq.ft. Ross Valley Dr., Terrace Ave. To exceed $30,000. H. K. Brainerd, city mgr.

Calif., San Rafael—Grading, curbing, guttering, asphaltic concrete on waterbound macadam, paving H and 5th Sts. $90,000. H. K. Brainerd, city mgr.

Calif., Willows—Supervs. Glenn Co., accepted budget containing appropriations for $150,000, new road construction for coming year. J. S. Sale, Willows, engr.

Calif., Woodland—Yolo Co., improving street between Madison and Winters Sts. $75,000.

Bids Desired

Maine—Aug. 10, by State Hy. Dpt., State House, Augusta, bituminous macadam paving 2.63 mi. hy. in Livermore—concrete paving 1.61 mi. Thomaston—gravel surfacing 2.02 mi. Fort Kent. L. D. Barrows, ch. engr.

Massachusetts—Aug. 14, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 48,903 ft. hys. in Haverhill, Mansfield, Norton, West Boylston, Russell, Huntington, Uxbridge, Needham and Ludlow—rein.-con. paving 4,550 ft. Waltham—gravel and bituminous macadam paving 2,250 ft. Roxborough. W. F. Williams, comr.

Connecticut — Aug. 13, by J. A. MacDonald, Hartford, state hy. engr., waterbound macadam paving 12,986 lin.ft. hy. in Clinton and Westbrook—bituminous macadam paving 7,051 lin.ft. Killingly and concrete slab bridge in Canaan; adv. E. N.-R. Noted Aug. 13.

N. Y., Irondequoit—Aug. 17, by Town Bd. Town Headquarters, 1340 Ridge Rd. East, grading 2 in. asphalt wearing on 6 in. concrete paving 6,000 sq. yd. Long Acre Rd., E. A. Partridge, town clk.; adv. E. N.-R., Aug. 9.

N. Y., New York—Aug. 14, by Park Bd., W. R. Herrick, pres. Dpt. Parks, Arsenal Bldg., Central Park, repairing asphalt and concrete walks in Central Park.

N. Y., New York—Aug. 14, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3d and Tremont Aves., grading, curbing, sidewalks, etc. Billingsley Terrace, Stratford, Seymour, Plymouth Aves., grading, sheet asphalt on concrete paving East 140th St.; asphalt blocks on concrete paving McClellan Sts., etc.

New Jersey—Aug. 27, at office State Hy. Comn., Trenton, grading, 9 in. rein.-con., paving 31,750 sq.yd. Sects. 4-B and 5-A, Boro Collingswood, Twp. Haddon and City of Camden in Camden Co.; adv. E. N.-R. Aug. 16.

N. J., Newton—Aug. 14, by Bd. Chosen Freeholders, Sussex Co., grading 10,880 cu.yd. Maxim Dr. P. E. Boomer, boro engr.

N. J., Ridgefield Park—Aug. 14, by Bd. Com., Municipal Bldg., 6 in. rein.-con., paving Brewster Ave.; laying sewers in Sect. 3. $50,000. D. C. Boswell, 6 Mt. Vernon St., Ridgefield, village engr. Noted Aug. 9.

N. J., Teaneck (mail West Englewood)—Aug. 14, by Twp. Comn., Municipal Bldg., grading, 6 in. rein.-con. paving Chestnut Pl. $29,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr. Noted July 26.

Pa., Phila.—Aug. 14, by Dpt. P. Wks., Bureau of Highways, grading; asphalt paving; improving country roads; asphalt repaving; smooth dressed granite block re-

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Streets and Roads (Continued)

paving; repaving Bensalen Ave.; painting bridge; constructing bridge.

Maryland—Aug. 21, by State Roads Comn., Baltimore, macadam resurfacing 1 mi. Contr. F-114 Frederick Co.—penetration macadam paving 1 mi. Contr. M-107, Montgomery Co.—concrete paving 0.6 mi. Contr. D-48, Dorchester Co.—0.45 mi. Contr. Co-68, Cecil Co.—graveling 1.5 mi. Contr. Sm-45, St. Marys Co. J. N. Mackall, chn.

Md., Baltimore—Aug. 15, by Bd. Awards, sheet asphalt paving 5,600 sq.yd. streets Contr. 478; concrete paving 12,200 sq.yd. streets Contr. 477. N. L. Smith, highways engr.

Va., Richmond — Aug. 21, by Dpt. Hy., State Office Bldg., Capitol Sq., top soiling 7.37 mi. Route 32, S-470, Louisa Co.—grading, 2.5 mi. Route 32, S-493-D, Fluvanna Co.—soil or gravel surfacing 3.8 mi. Route 24, S-496-H, Prince George Co., $55,000.

South Carolina—Aug. 21, by State Hy. Dpt., Columbia, grading, sand clay surfacing 10 mi. Route 64 State Project 644-A and B Barnwell and Bamberg Counties—8.6 mi. Route 24, State Project 589-D and E, Bamberg and Orangeburg Counties—13.7 mi. Route 65, State Project 697-B, Colleton Co.—14.6 mi. Route 65, State Project 697-C—0.525 mi. Route 30, Federal Aid Project 179, Colleton and Dorchester Counties—3.34 mi. Route 2 and 78, State Project 687-B and Federal Aid Project 102-B, Dorchester Co.—2 rein.-con., bridges one over Millde Saluda and other over North Saluda river, 2 rein.-con., culverts State Project 667—construction overhead bridge over Southern Railway Route 20, Federal Aid Project 88—reopened. B. M. Sawyer, ch. engr.

Ala., Birmingham—Aug. 27, by City Comn., 2 in. asphalt on 6 in. concrete paving 4 blocks 17th St., $21,800, A. J. Hawkins, city engr.—4 blocks Cliff Rd., $17,750, State Hy. Engineer, Montgomery, engr.

Ala., Jasper—Aug. 27, by Bd. Revenue Walker Co., grading ½ mi. road on Odom Hill. E. W. Long, Jasper, judge.

Kentucky—Aug. 31, by State Hy. Dept., Frankfort, surfacing 5 mi. Pruden-Middlesboro Rd., S.P. 5-G-S, Bell Co.—15.4 mi. Richmond-McKee Rd., S.P. 30-E-S, Jackson Co.—2.9 mi. Falmouth-Alexandria Rd., S.P. 21½-C-S, Pendleton and Campbell Counties — furnishing, delivering crushed stone dumped on 9.2 mi. Marion-Smithland Rd., S. P. 80-S. Crittenden Co. — grading 5.3 mi. Harlan-Whitesburg Rd., S.P. 6-H-G, Harlan Co.—10.2 mi. same road, S.P. 6-J-G, Letcher Co.—18.7 mi. Vanceburg-Greenup Rd., S.P. 106-A-G, Lewis Co.—3.7 mi. Vine Grove-Hog Hollow Rd., S.P. 8-E-G, Meade Co.—6.7 mi. Tompkinsville-Burkesville Rd., S.P. 40½-A-G, Monroe Co.—11.485 mi. Central City-Russellville Rd., S.P. 15-B-G, Muhlenberg Co.—9.8 mi. Mt. Olivet-Blue Lick Rd., S.P. 48-A-G, and 4.9 Mt. Olivet-Sardis Rd., S.P. 172-A-G, Robertson Co.—two 100 ft. steel span bridges with rein.-con. piers, abutments, over Quicksand Creek, on Jackson-Hazard Rd., S.P. 4-F-G, Breathitt Co. W. S. Watkins, hy. engr.

O., Akron—Aug. 15, by Comrs. Summit Co., grading, traffic bound slag or limestone paving 2.1 mi. Botzum-Ghent Rd., $35,400. H. G. Sours, Court House, engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, granite, stone curbing, sidewalks, vitr. brick on 6 in. concrete paving 3,420 sq.yd. Bell St. et al. $33,000. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, granite and stone curbing, vitr. brick paving 14,850 sq.yd. Westover Dr. et al. $109,000. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, granite and stone curbing, sidewalks, vitr. brick on 6 in. concrete paving 4,255 sq.yd. Greenwood Ave., $32,900—vitr. brick on 6 in. concrete paving 4,450 sq.yd. Nome Ave., $32,400. E. A. Kemmler, Municipal Bldg., engr.

O., Akron—Aug. 20, by F. E. Swineford, dir. Pub. Serv., grading, curbing, walks, vitr. brick paving 1,665 sq.yd. Mineola Ave., $21,700; grading, concrete guttering, cindering Arnold Ave., $3,800. E. A. Kemmler, Municipal Bldg., engr.

O., Parma (br. Cleveland)—Aug. 15, by Village, paving 6 streets. To exceed $50,000. V. M. Clark, Town Hall, engr.

O., Youngstown—Bd. Control bids about Aug. 30, widening, paving South Watt St. $380,000. G. Turner, city engr.

Michigan—Aug. 15, by A. R. Schaefer, resident engr., Newberry, 16 ft. graveling 6.591 mi. MO17-20 C-1, Chippewa Co., for State Hy. Comn., Lansing. Noted May 24.

Michigan—Aug. 16, by R. A. Beers, resident engr., Kalamazoo, sheet asphalt paving and widening 7.498 mi. MO39-14, C-1, 18 ft., Kalamazoo Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 16, by C. W. Brown, resident engr., 14380 Wyoming Ave., Detroit, 20 ft. concrete paving 6.638 mi. Assessment Dist. 481, Sect. B, Macomb Co., for State Hy. Comn., Lansing.

Michigan—Aug. 21, by H. G. Oakes, resident engr., Cadillac, 20 ft. concrete paving 7.991 mi. MO24-20C-1, Emmet Co., for State Hy. Comn., Lansing.

Michigan—Aug. 22, by G. D. Tramp, resident engr., Crystal Falls, 20 ft. concrete paving 8.34 mi. FO27-5C-3 and FA-163A2, Gogebic Co., for State Hy. Comn., Lansing.

Michigan—Aug. 24, by C. R. Cowgill, resident engr., Plymouth, 20 ft. concrete paving 11.241 mi. MO63-23C-1, Oakland Co., for State Hy. Comn., Lansing.

Michigan—Aug. 29, by A. R. Schaefer, resident engr., Newberry, two course graveling 6.864 mi. MO75-15, C-1, 16 ft., Schoolcraft Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 30, by R. A. Beers, resident engr., Kalamazoo, concrete paving 6.662 mi. MO8-19, C-1, 20 ft., Barry Co., for State Hy. Dpt., Lansing.

Ill., Peoria — Aug. 13, by Bd. Local impvts., grading, curbing, rein.-con. paving 10 blocks Oakland Ave. and Matthew St., 30 ft. $47,067. W. E. Backes, City Hall, engr.

Ill., Peoria — Aug. 14, by Bd. Road & Bridge Comn. Peoria Co., J. J. Jobst, chn., grading, curbing, guttering, concrete paving 25,444 sq.yd. Southport Rd., incl. earth shoulders, 4,720 ft. wire guard fence, 10,280 lb. reinforcing, $70,613—grading 171,939 cu.yd. same road, 18,780 lb. reinforcing, $78,026. W. E. Emery, Court House, co. engr.

Wisconsin—Aug. 14, by State Hy. Comn., Milwaukee, 20 ft. concrete paving 1.5 mi. Federal Aid Project 268-B, Waukesha Co.; Blue Mound Overhead on Sect. A same project, Milwaukee. J. A. Stransky, div. engr.

Wisconsin—Aug. 15, by State Hy. Comn., Div. Office 2, Madison, grading, concrete paving 2,556 sq.yd. Soldiers Memorial Hospital Rd., State Aid Project 1205, Dane Co. A. L. Hambrecht, div. engr.

Ia., Eldora — Aug. 14, at office Auditor Hardin Co., graveling 9.3 mi. county road, 0.5 mi. township road and maintenance graveling 6.5 mi. county road. J. R. Maher, Eldora, co. engr.

Ia., Spencer—Aug. 13, at office Auditor Clay Co., graveling 13.5 mi. secondary road districts.

Kan., Anthony—Aug. 24, by Harper Co., grading 8.918 mi. 44-4-Federal Aid Project 361-B.

Kan., Belleville — Aug. 20, by Republic Co., grading 9.873 mi. 81-25-Federal Aid Project 313-A and B.

Kan., Cottonwood — Aug. 17, by Chase Co., grading, bridging 7.863 mi. 50-S31-Federal Aid Project 357 E and F.

Kan., Eldorado—Aug. 27, by Clerk Butler Co., curbing, vitr. brick or concrete paving 23,275 sq.yd. Sect. A, and F grading 5.433 mi. Sect. G. Federal Aid Project 239. To exceed $50,000. E. S. Elcock, Eldorado, co. engr. Noted Aug. 2.

Kan., Ft. Scott — Aug. 30, by Clerk Bourbon Co., bituminous macadam paving 5.5 mi., 18 ft. $25,000. H. McCurley, co. engr.

Kan., Hill City — Aug. 21, by Clerk Graham Co., grading, 75,909 cu.yd. Federal Aid Project 318-B, $25,000 or more. I. Rogers, Norton, engr.

Kan., Hutchinson—Aug. 21, by Clerk Reno Co., grading, concrete paving 47,506 sq.yd. Federal Aid Project 399-C; 30,477 sq.yd. Federal Aid Project 399-B, each to exceed $25,000. W. A. Stacey, Hutchinson, engr.

Kan., Independence—Aug. 16, by Montgomery Co., grading 6.940 mi. 166-11-Federal Aid Project 285 A and C.

Kan., Manhattan—Aug. 17, by Riley Co., sand gravel surfacing 4.891 mi. 29-1-Kansas 168-A.

Kan., Marion—Aug. 14, by Marion Co., sand gravel surfacing 7.461 mi. 50S-25-Kansas 646.

Kan., Marysville—Aug. 23, by Marshall Co., grading 1.006 mi. 36-27-Federal Aid Project 319-D.

Kan., Mound City—Aug. 30, by O. M. Gray, clk., Linn Co., chat surfacing 1.528 and 9 mi. Kansas Project 555 and 556. C. E. Kenney, Court House, engr.

Kan., Phillipsburg—Aug. 13, by Phillips Co., grading 2.5 mi. 9-4-Kansas 611.

Neb., Crawford—Aug. 13, by R. B. Wellington, city clk., grading, curbing, rein.-con. paving 26,800 sq.yd. Paving Dist. 1. $70,000. Henningson Eng. Co., 326 Union Staten Bank, Omaha, engr. Noted July 12.

Missouri—Aug. 10, by State Hy. Comn., Jefferson City, roads in Adair, Atchison, Butler, Cape Girardeau, Chariton, Clinton, Cooper, Dallas, Daviess, Douglass, Dunklin, Greene, Harrison, Henry, Iron, Maries, McDonald, Platte, St. Louis, Warren, Worth and Wright Counties. T. H. Cutler, ch. engr. Noted July 19.

Mo., St. Louis—Aug. 28, by Bd. Serv., City Hall, grading, concrete paving 16,800 sq.yd. alleys in City Blocks 2934, 3062, 3555-A, 4138, 5244, 5295, 5358, 5447, 5680, 5825, 5855, 5772 and 6087. $46,340. W. W. Horner, city engr.

Mo., St. Louis—Sept. 4, by Bd. P. Serv., City Hall, grading, concrete paving 21,500 sq.yd. Alleys in City Blocks 2563, 2588, 2605, 5885, 2742, 2851, 2951, 3206, 4009, 4101, 4879, 4050S, 5225, 5338, 5388, 5458, 5536, 5767 and 5867. $58,910. W. W. Horner, City Hall, engr.

California—Aug. 22, by State Hy. Comn., Sacramento, grading, asphaltic concrete paving 1.8 mi. road between North Sacramento and Del Paso Park, Sacramento Co. C. H. Purcell, Hy. Bldg., Sacramento, engr.

California—Raymond Concrete Pile Co., Hayward, taking bids 8 in. concrete paving 5 mi. approaches to San Francisco Bay Bridge, Alameda Co. Private plans.

Calif., Auburn—A. S. Fleming, clk. Placer Co., taking bids 3 in. asphaltic macadam on 4 in. rock bound macadam paving vicinity Lake Tahoe, $90,000 or more. J. Barieau, Auburn, engr.

Calif., San Francisco—Aug. 22, by Bd. Pub. Wks., 3 in. asphaltic on 8 in. Class E. concrete paving Sect. B-Contr. 7, Bayshore Blvd., $210,000—Sect. E, Contr. 5, Alemany Blvd., $69,000 M. M. O'Shaughnessy, city engr.

Calif., San Francisco — Sept. 5, by Bd. Pub. Wks., sidewalks, 3 in. asphalt paving Alemany Blvd., Sect. D-1, Contr. 10. $54,000. M. M. O'Shaughnessy, city engr.

Calif., San Rafael — City Clerk taking bids concrete curbing, guttering, asphalt paving Rose Valley Dr. To exceed $25,000. H. K. Brainerd, city engr.

Ont., Riverside — City, take bids about Aug. 13, concrete paving 4 streets, also sewers, watermains and street lighting. $70,000. A. W. Connor, Town Hall, engr.

Ont., Toronto—Aug. 11, by W. D. Annis, clk., 1 Birchcliffe Ave., concrete curbing, guttering, Hillside brick, concrete and asphaltic paving 11,000 sq.yd. Fallingbrook Rd. and 4 Avenues. $50,000. C. E. Fraser, Kingston Rd., engr.

Contracts Awarded

Maine—State Hy. Comn., Augusta—concrete paving 2.36 mi. hy. in Hamden to B. Perini & Sons, Ashland, Mass., $89,228—2.03 mi. Falmouth to Warren Bros. Co., 38 Charles River Rd., Cambridge, Mass., $67,986—3.27 mi. Scarboro and 3.89 mi. Saco and Scarboro to A. Susi & Co., 68 Cedar St., Roslindale, Mass., $124,747 and $157,183 respectively—bituminous macadam paving 0.96 mi. Fort Fairfield to McCabe & Giovanni, Inc., 29 Central St., Boston, Mass., $30,413—1.65 mi. Presque Isle to Boone & Brewer Constr. Co., Presque Isle, $46,436—graveling 0.82 mi. Strong to J. H. Kerr, Rumford, $17,987—3.04 mi. Dixfield to W. H. Hinman, Medway, Mass., $57,670—3.45 mi. Abbot and 1.19 mi. Perry to R. M. Davis, Old Town, $48,345 and $19,120 respectively. Grand total $659,115. Noted June 28.

Me., Portland—Rein.-con. paving 5,300 sq.yd. Free St., to Monitor Constr. Co., Portland, $17,290; granite block paving Portland St., to Kennedy & Co., Inc., Portland, $40,190.

Vermont—State Hy. Comn., Montpelier, rein.-con. paving 2.5 mi. hy. in Barre, to Capital Constr. Co., Montpelier, $79,013. Est. $75,000. Noted July 26 under "Bridges."

Vermont — State Hy. Dpt., Montpelier, rein.-con. paving 4.9 mi. hy. in Moretown, Duxbury and Middlesex, to P. J. Holland, Lawrence, $248,118. Noted July 19.

Massachusetts—Dpt. P. Wks., State House, Boston, bituminous concrete paving 10,226 ft. hy. in Dennis to S. W. Lawrence, Falmouth, $34,961—hardpan paving 3,181 ft. Plainfield, to E. B. and G. R. Vaughan, 293 Bridge St., Springfield, $12,904—gravel, bituminous macadam paving 4,169 ft. Norfolk, to Phippe Bros. Co., Hopkinton, $14,475—8,650 ft. Lunenburg, to Catanese

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Streets and Roads (Continued)

Constr. Co. 45 Harrison Ave., Fitchburg, $30,216 — bituminous macadam paving 8,100 ft. Pembroke, to F. P. McNeil, 20 Starbridge St., Lowell, $38,446—4,252 ft. Billerica, to A. Pallotto, Dracut, $24,720—6,661 ft. Barre, to H. and J. P. Green, 220 Holden St., Worcester, $54,810. Grand total $210,532. Noted July 19.

Conn., Stamford—Paving Spruce, Wright and 5th Sts., Shippan Ave., and St. John Pl., to Chiapetta & Perna Bros., Greenwich, $45,345. Est. $45,000.

N. Y., Buffalo—Comrs. Erie Co., County Hall, paving 2.01 mi. Taylor Rd. C.A.T.H. 177, to Holmes & Murphy, Bank St., Orchard Park, $37,635; and 0.5 mi. Delaware Ave., C.A.T.H. 178, to Hastings Pavement Co., 25 Broad St., New York $47,747. Noted July 12.

N. Y., Long Island City—B. M. Patten, pres., Queens Boro, Queens Subway Bldg., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading Paterson Pl. $5,407; granite paving North Jane St. $38,932; constructing bulkheads on Brookville Blvd. $83,435—to Carr Block Paving Co., asphalt paving Griffith Ave. $14,057—to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, asphalt paving Edgemere Ave. $26,420; 85th Dr. $7,080; 112th St., $17,362; 118th St. $15,125—to C. Kurth, 37 Brotto Ave., Elmhurst, grading 112th St. $10,853—to J. J. O'Brien, Jr., William St., Jamaica, 118th St. $3,872. Grand total $222,543. Noted July 5.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading Morris Park and Harrison Aves., to Gramaglia Bros., 48 East Kingsbridge Rd., $3,736 and $1,990 respectively—West 169th St. and Astor Ave., to I. F. Cavaluzzo, 1300 Cromwell Ave., $11,396 and $13,583 respectively—asphalt block paving Bryant Ave., to Charles D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., $3,564—Sheridan Ave., to M. Del Balso, 2551 Cruger Ave., $13,323. Grand total $47,592. Noted June 28.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., asphalt paving Boynton Ave. $20,060; bituminous concrete paving Lacombe Ave. $13,725; East 212th St. $6,300—to Asphalt Constr. Co., 2197 Madison Ave., asphalt paving Watson Ave. $22,377; Victor St. $8,413—to Gaffney Constr. Co., Storey and Hermany Aves., Barnes Ave. $26,223; East 181st St. $3,745, Gleason Ave. $3,223. Grand total $104,066. Noted July 5.

N. Y., Syracuse—Bd. Contrs & Supply, City Hall, to Rago Bros., Union Bldg., Lowell Ave., $31,414, Schuler St. $7,932, Harding St. $20,264; to Dale Eng. Co., Van Rensselaer St. $3,593, to G. D. Dickson, Sunset Ave. $27,957, Dale St. $21,901, Woodruff Ave. $20,842 and Basin St. $22,760. Grand total $156,663. Noted May 31.

N. J., Bergenfield — Bd. Boro Council, Boro Hall, 2 in. Topeka on 6 in. concrete paving Williams Rd., Belau, Beverly, Berwin, Brewster and Banta Places, Byrne, North Queen, Harrington, North Vivian Sts., Woods, Elder and Ames Aves., to J. A. Holmes, 38 West Main St., $169,185. Noted Aug. 2.

N. J., Glen Ridge—Bd. Boro Council, Boro Hall, sheet asphalt paving Sunset Ave., to Franklin Contg. Co., 20 Washington Pl., Newark, $10,837—sanitary sewers in Lorraine St., to J. Cestone, 5 Cloverhill Pl., Montclair, $5,214 — storm drains in Midland Ave, to Petoca & Tuciottione, 194 Garside St., Newark, $2,737. Grand total $18,788.

N. J., Hillside (br. Elizabeth) — Twp. Com., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete paving Westminster Ave., to Standard Bithulithic Co., foot of Brill St., Newark, $66,389. Noted May 10.

N. J., Irvington (br. Newark) — Bd. Comrs., Town Hall, grading, 6 in. concrete paving Chapman St. and Clement Pl. to J. Dorer, 644 Nye Ave., Irvington $15,970 and $3,198 respectively; Paine Ave. to A. J. Milmoe, 92 South 6th St., Newark, $4,359, sewer in McGotty Pl. to J. Abbott, 19 Claremont Ave., $610. Grand total $24,137. Noted July 12.

N. J., Kearny (Sta. Arlington)—Western Electric Co., 195 Bway., New York, curbing, sidewalks, rein.-con. paving 15,000 sq.yd. Kearny and Peninsula Sts., to H. Steers Inc., Claremont Terminal, Jersey City. Est. $50,000.

N. J., Maplewood (br. South Orange)—Twp. Comn., Municipal Bldg., grading, rein.-con. paving Baker St. and Dunnel Rd., to South Orange Paving Co., 287 Vose Ave., South Orange, $59,928. Noted Aug. 2.

N. J., North Bergen—Twp. Comn., Town Hall, grading, paving, 38th, 39th and 40th Sts., Virginia Ave. and Midway Pl., to R. Mazzoni, 566 9th St., West New York, $244,738. Noted July 19.

N. J., North Bergen (Ind. br. Weehawken) — Twp. Com., Town Hall, grading, paving Lussen and Probst Pls. to Clinton Asphalt Co., 308 16th St., Union City. $30,992. Noted July 12.

N. J., Palisades Park—Bd. Boro Council Boro Hall, grading sewers, paving 3rd and Orchard Sts., to Bergen Contg. Co., Inc., 360 Palisade Ave., Cliffside, $24,631—sidewalks on 3d St., to J. De Carlo, 232-13th St., Palisades Park, $3,016—sidewalks on Orchard St., to J. Strands, Palisades Park, $1,330.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., grading, paving Bedford Ave., to R. A. Hamilton, 16 West Fort Lee Rd., Bogota, $28,638.

N. J., Trenton—Paving 3rd St., to Agabiti Bors., 125 Swan St., $62,593.

N. J., Weehawken — Bd. Hudson Co. Blvd. Comn., Court House, Jersey City, sheet asphalt on concrete base East Blvd., to Clinton Asphalt Co., 308 16th St., Union City, $48,098. Noted July 19.

Maryland—State Roads Comn., Baltimore, penetration macadam paving 2 mi. Contr. M-96, to L. R. Waesche & Sons, Thurmont, $36,592 and concrete paving 1 mi. Contr. M-98, to M. J. Grove Lime Co., Lime Kiln, $19,940, both Montgomery Co.—1.25 mi. Prince George Co. and concrete shoulders, penetration macadam resurfacing 1.51 mi. Contr. M-109, Montgomery Co., to Latimer & Maloney, 17th and Holly Sts., Wash., D. C., $20,553 and $28,217 respectively. Grand total $105,302. Noted July 26.

Va., Alexandria — Asphalt resurfacing, widening, concrete shoulders Lee Hy., to Corson & Gruman, 33rd and Kay Sts. N. W., Wash., D. C., $105,473.

W. Va., Clarksburg—Harrison Co. stone base course surfacing 4 mi. Lost Creek-West Milford Rd., to D. Rich, Weston, $31,409.

W. Va., Morgantown—Monongalia Co. screened limestone, and rolled surface on stone surfacing 2.71 mi. Stewartstown Rd., to McKee & Balazick, Jefferson, Pa., $27,325.

W. Va., New Martinsville — Wetzel Co., grading, limestone on 6 in. stone surfacing 3.57 mi. New Dale, Center Dist. Rd., to Stringer & Springer Constr. Co., Wheeling, $35,879—3.18 mi. Project 330-A, to Keeley Constr. Co., Clarksburg, $80,705—graveling Doolin Rd., to Davis & Pattison, Linesville, Pa., $27,916. Noted July 5.

South Carolina—State Hy. Dpt., Columbia—paving 5 mi. Greenville Co., to Pittman Constr. Co., Rhodes Bldg., Atlanta, Ga., $116,875—10 mi. Dillion Co., to R. G. Lassiter & Co., Citizen Bank Bldg., Columbia, $105,369 and $85,140 respectively—6.7 mi. Anderson Co., to Concrete Constr. Co., Columbia, $140,000—sand clay surfacing 1.6 mi. Lexington Co., to T. E. Hook, Lexington, $7,273—improving 2.9 mi. Berkeley Co., to Richardson Constr. Co., Charleston $19,222—top soiling 0.423 mi. Chester Co., to Stewart-Jones Co., Rock Hill, $4,277. Grand total $478,556. Noted July 12.

Alabama—State Hy. Comn., at office State Hy. Dpt., Montgomery, to W. J. Bryson, Jacksonville, Fla., 11.65 mi. road, S-296, Dallas Co. $80,957—3.6 mi. S-190-C Morgan Co. $62,749—8.46 mi. FAP-187 Morgan and Lawrence Counties $9,950—roadway and bridge on 31.44 mi. FAP-188-A and B, Perry, Hale and Marengo Counties $51,887—to Bessemer Eng. & Constr. Co., Birmingham, 3.85 mi. S-190-C Morgan Co. $46,465—17.32 mi. S-256-B, Washington and Choctaw Counties $108,928—13.1 mi. S-333, Marion Co. $165,312—to Cox & Bryson, Orlando, Fla., 13.92 mi. S-51-B, Madison Co. $119,921—13.54 mi. FAP-200-A, Talladega and Calhoun Counties $138,559—to Gillis Constr. Co., Brewton, 6.89 mi. S-21-C, Clarke Co. $31,978—to N. B. Burton, Montgomery, 10.92 mi. S-143-B, Lowndes Co. $53,096—to Brantley & Crowley, Banks, 14.52 mi. S-109-B, Henry and Dale Counties $78,466—to J. B. Turner, Columbiana 22.5 mi. S-186, Cullman and Marshall Counties $111,792—to W. L. Williams, Sycamore, Ga. 17.4 mi. S-237, Russell Co. $91,867—to J. A. Barthle, Lake Javita, Fla. 19.62 mi. S-256 Choctaw Co. $148,590—to M. A. Deese, Newton, 20.72 mi. S-256-A, Washington Co. $117,530—to H. N. Donahoo, 510 North 21st St., Birmingham, 11.04 mi. S-314 St. Clair and Talladega Counties, $58,469—to L. C. Britton, Jasper, 12.05 mi. S-329 Walker Co. $65,998—to City of Ozark, paving in streets S-387-Dale Co., $8,484—to City of Sylacauga, S-388, Talladega Co. $18,216—to Sutton Bros., Jacksonville, Fla., 16.85 mi. FAP-200-C, Cleburne Co. $225,392. Grand total $1,794,606. Noted June 28.

Ala., Sheffield—City Comn., grading, 2 in. asphalt on 6 in. concrete paving 12 blocks South Montgomery Ave., to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, $61,386. Est. $65,000; storm sewers, to Kirkpatrick Constr. Co., Florence, $15,657.

Miss., Kosciusko—Attala Co., improving 6.398 mi. State Trunk Rd., to S. B. Boyd, Columbia, $58,455.

Miss., Kosciusko — Attalla Co. grading, bridging, graveling, 10.472 mi. Federal Aid Project 54-C, to Biddie Constr. Co., Laurel, $99,879.

Miss., Magnolia—Grading, 2½ in. brick on gravel paving 8,544 sq.yd., to Merrill Eng. Co., Jackson, $15,325; "White Way" lighting system, to Southern Electric Co., Hazelhurst.

Miss., McComb — Curbing, guttering, sewers, asphalt on concrete paving 47,750 sq.yd., to Merrill Eng. Co., Lamar Life Bldg., Jackson, at $1.88 per sq.yd.; concrete pipe, to Faulkner Concrete Pipe Co., Carter Bldg., Hattiesburg. Noted July 12.

Miss., Meadville—Franklin Co. grading 6.598 mi. Federal Aid Project 199-A, to Standard Highway Co., Inc., Triad Bldg., Baton Rouge, La., $62,251.

Miss., Mendenhall—Simpson Co., grading, paving 1.612 mi. Federal Aid Project 200-A, to Newson Bros., Columbia, $26,543.

Tenn., North Chattanooga (br. Chattanooga—Grading, curbing, guttering, 48,000 lin.ft. concrete sidewalks 14 streets, to H. Crouch, James Bldg., Chattanooga, $65,140.

Kentucky—State Hy. Dept., Frankfort, to F. G. Breslin, 32nd and Market Sts., Louisville, paving roads in Group 1, Spencer Co. $29,934—to Eaton Oil Wks., Covington, Group 2, Campbell, Pendleton and Harrison Counties, $48,091—to Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, Group 3, Mason and Bourbon Counties, $44,058, Group 4, Scott Co. $24,921—Group 8, Pulaski Co. $27,310—to Carey-Reed Co., Lexington, Group 5, Fayette Co., $40,192—to Kentucky Road Oiling Co., Group 6, Madison and Clark Counties—$13,188—to R. B. Tyler Co., 114 South 4th St., Louisville Group 7, Boyle, Jassamine and Garrard Counties, $38,828. Grand total, $266,517. Noted July 12.

Ky., Fulton — Curbing, guttering, 6 in. concrete paving 5 mi., to Carey Reed Co., Lexington, $188,464. Noted July 19.

Ky., Louisville—Paving 15 streets, to H. Bickel Co., 435 Garden St. $35,328—F. G. Breslin, 32nd and Market Sts., $31,055—Louisville Asphalt Paving Co., 240 East Lee St., $21,735—G. M. Eady Co., Gilbert and Lee Sts., $12,853—Andrews Asphalt Paving Co., Inter-Southern Bldg., $18,782. Grand total $126,763.

Ohio—H. J. Kirk, dir. Hys., Columbus, to Allied Products Co., 9210 Holton Ave., Cleveland, surface treating 11.23 mi. Summit, Portage and Columbiana Counties, $7,625; 24.7 mi. Stark Co., $17,982; 19.42 mi. Trumbull and Columbia Counties, $10,445—to H. W. Bergman, Genoa, 15.859 mi. Wood and Henry Counties, $11,414—to T. D. Van Camp, Columbus, 31.065 mi. Butler, Clinton and Warren Counties, $24,452—to V. Olsen Co., Youngstown, brick paving 1.104 mi. Mahoning Co., $60,971. Grand total $132,889.

Ohio—H. J. Kirk, dir. Hys., Columbus, brick paving 0.543 mi. and concrete paving 1.472 mi. both in Ashland Co., to Griggs-Anderson Co., Millerburg, $19,350 and $57,100 respectively. Noted July 19.

O., Cincinnati—Comrs. Hamilton Co., grading, concrete repaving 8,500 sq.yd. Edgewood Rd., to Brewer & Brewer, 215 Hazen Bldg., $28,696. Est. $32,062. Noted June 28.

O., Garfield Heights (br. Cleveland)—To Thorpe Constr. Co., Hippodrome Bldg., brick paving East 94th St. $8,447, East 110th St. $17,940 and McCracken Blvd., $67,746. Grand total $94,133. Noted July 12.

Ind., Bloomington — City Council, concrete paving South Henderson and East 14th Sts., to Buskirk & Dodds, Bloomington, $6,775 and $20,875 respectively; East 1st St., to Ken & Murphy, Bloomington, $17,469. Grand total $45,119.

Ind., Hammond—Lake Co., concrete paving G. J. Elder Rd., to Brophy Constr. Co., Hammond, $94,900.

Michigan—R. A. Beers, resident engr., Kalamazoo, 20 ft. concrete paving 1.048 mi. MO8-17C-1, Barry and Calhoun Counties, to Grace Constr. Co., Fort Wayne, Ind., for State Hy. Comn., Lansing. $41,145. Noted June 14.

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Streets and Roads (Continued)

Michigan—C. L. Cowgill, resident engr., Plymouth, grading, concrete paving 42,626 sq.yd. F63-21C-1, Oakland, Co., to C. A. Handeyside Constr. Co., 12-233 General Motors Bldg., Detroit, for State Hy. Comn., Lansing. $69,617.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 2.22 mi. MO62-23C-1, Newaygo Co., to John R. Edelman Co., Muskegon, for State Hy. Comn., Lansing. $84,358 incl. cement. Noted June 14.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 1.249 mi. MO59-12, C-1, Montcalm Co., 20 ft., to E. J. Vander Veen, Grand Rapids, for State Hy. Dpt., Lansing, $52,789. Noted July 12.

Michigan—G. H. Green, resident engr., Alpena, concrete paving 1.803 mi. MO5-14, C-1 and MO69-5, C-2, 20 ft., to Rogers Constr. Co., Scottsville, for State Hy. Dpt., Lansing, $56,366. Noted July 19.

Michigan—G. H. Green, resident engr., Alpena, concrete paving 8.856 mi. FO16-13, C-2, 20 ft., Cheboygan Co., to Goldberg Constr. Co., Mackinaw City, for State Hy. Comn., Lansing. $216,679 incl. cement. Noted June 28.

Michigan—R. R. Havens, resident engr., Jackson, graveling 3.573 mi. MO33-22, C-1, and MO38-18, C-1, 18 ft., Ingham and Jackson Counties, to Briggs & Cheney, Dansville, for State Hy. Dpt., Lansing. $50,353. Noted June 28.

Michigan—R. R. Havens, resident engr., Jackson, 20 ft. concrete paving 0.881 mi. MO13-13C-2, Calhoun Co., to Grace Constr. Co., Fort Wayne, Ind., for State Hy. Comn., Lansing. $32,196. Noted June 28.

Michigan—H. G. Oakes, resident engr., Cadillac, 1.5 in. sheet asphalt paving 6.869 mi. MO28-20C-1, Grand Traverse Co., 18 ft., to Wolverine Asphalt Paving Co., Grand Rapids, for State Hy. Comn., Lansing, $112,980.

Michigan—H. G. Oakes, resident engr., Cadillac, graveling 4.319 mi. MO57-11, C-1, 18 ft., to E. L. McQuestion, Leroy, for State Hy. Dpt., Lansing. $81,786.

Michigan—H. G. Oakes, resident engr., Cadillac, concrete paving 1.201 mi. MO5-13, C-1, 20 ft., Antrim Co., to Maisman & Taber, Grand Rapids, for State Hy. Dpt., Lansing, $33,298. Noted July 19.

Michigan—H. G. Oakes, resident engr, Cadillac, concrete paving 1.792 mi. FO83-15C-1, Wexford Co., 20 ft., to Goldberg Constr. Co., Mackinaw City, for State Hy. Comn., Lansing. $64,665.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 0.439 mi. MO9-3-C-1, Bay Co., to A. J. Rehmius, Inc., Bay City, for State Hy. Comn., Lansing. $22,-781 incl. cement.

Michigan—G. D. Tramp, resident engr., Crystal Falls, concrete paving 6.774 mi. FO52-13C-1, Marquette Co., to P. J. Nickel Co., Ironwood, $246,387 incl. cement. Noted June 7.

Mich., Flint—For 3 in. vitr. brick on 8 in. concrete paving North Saginaw St., to White Constr. Co., 1548 Buhl Bldg., Detroit, $280,686.

Mich., Monroe—J. H. Eber, city clk., 8 in. one course concrete paving 12,600 sq.yd. Hollywood Dr., South Scott and East Loraine Sts., to W. H. Knapp Co., Monroe. Est. $30,000.

Mich., Plymouth—One course concrete paving 12,300 sq.yd., to Benton & Pope, Diehl Bldg., Mt. Clemens. Est. $30,000.

Ill., Alton—Bd. Local Impvts., 7 in. rein.-con. paving 16,113 sq.yd., 5 avenues and 3 streets, to Strubel & Helmick, 1117 West 9th St., $46,918.

Ill., Galesburg—Grading, curbing, guttering, vertical fibre brick on concrete paving 6 blocks Brown Ave., to H. H. Gunther, 600 East Main St., $25,937. Est. $27,606.

Ill., Peoria—Grading, curbing, rein.-con. paving 4 blocks West Virginia Ave. and Hansler Pl., and 4 blocks Adams St., to E. Lahmann & Co., Lehman Bldg., $11,638 and $20,846 respectively. Noted Feb. 9 and July 19.

Ill., Peoria—Concrete on present brick resurfacing 14 blocks North Adams St., 50 ft. $75,000. W. E. Backes, City Hall, engr.

Iowa—State Hy. Comn., Ames, to Rock Island Cement Co., Rock Island, Ill., grading, paving 10,195 sq.yds. Lee Co. 26,623—to Wright Constr. Co., 1325 Main St., Des Moines, 4,055 sq.yd. Polk Co. $12,466—to Bryant Paving Co., Waterloo, 4,600 sq.yd. Worth Co. $62,626—to D. C. Condon, 5412 Florence Blvd., Omaha, Neb., grading, channel change, incl. pipe 4.163 mi. Cerro Gordo Co. 17,442—to Shirley-Caldwell Co., Omaha, Neb., grading, culvert pipe 9.053 mi. Clayton Co. $43,623—to J. W. Wachtler, 310 Arthur Bldg., Omaha, Neb., 7.049 mi. Winneshiek Co. $35,432; 4.973 mi. Decatur Co. $27,363—to E. J. Wilson, Omaha, Neb., 6.483 mi. Mills Co. $32,112—to G. W. Condon, 415 Farnum St., Omaha, Neb., 6.973 mi. Montgomery Co. $36,882—to H. N. McCoy, Waterloo, graveling 6.2 mi. Bremer Co. $14,350—to O. Ehling, Charles City, 10 mi. Floyd Co. $6,946—to M. O. Weaver, Iowa Falls, 5 mi. Howard Co. $1,880; 6 mi. Jackson Co. $19,613; 22 mi. Worth Co. $10,664; 12 mi. Wright Co. $6,433—to Baumgardner & Schrieber, Wapello, 9 mi. Washington Co. $31,521—to Hinkle & Hinote, Wapello, 9 mi. Jefferson Co. $24,045. Grand total $410,021.

Ia., Charles City—Floyd Co., to M. P. Eischeid, New Hampton, graveling township road system, 1,000 cu.yd. gravel at $0.33 per cu.yd., 4,500 units overhaul $0.65, 300 cu.yd. stripping $0.12.

Ia., Charles City—Floyd Co. graveling 10 mi. road, to Moe & Nelson, Belmont, and to G. E. Sargent, Hampton. Noted June 28.

Ia., Dubuque—Dubuque Co., 6 in. concrete paving 3.333 mi. U. S. Hy. 61, to Ulrich-Paley Co., Dubuque, $77,781.

Ia., Estherville—Grading 5 mi. Jack Creek Twp., to O'Hanlon & Reilly, Omaha, Neb., $5,000. Noted July 5.

Ia., Fairfield—To C. H. Kearns, Fairfield, improving streets 2,639 sq.yd., 6 in. rein.-con. paving at $2.08 per sq.yd. curbing and guttering $1.95, grading $0.65; to Rock Island Cement Co., Rock Island, Ill., 12,637 sq.yd. 7 in. rein.-con. paving $1.92, grading $0.75. Est. $26,000.

Ia., Indianola—Warren Co., 6 in. concrete paving 4.75 mi. U. S. Hy. 65, to Des Moines Asphalt Paving Co., Des Moines, $121,293.

Ia., Le Mars—Plymouth Co., grading 10 mi. road, to W. G. Condon, 415 Farnum Bldg., Omaha, Neb.

Ia., Onawa—Monona Co., to G. W. Condon Co., 223 Grain Exch. Bldg., Omaha, Neb., improving Mapleton-Castana Rd., 114,650 cu.yd. earth excav. at $0.11 per cu.yd., loose rock $0.50, solid rock $1, culvert labor $0.20, clearing and grubbing $137.

Ia., Orange City—Sioux Co., to C. W. McNamara, Sioux Falls, improving 8 mi. roads, 39,295 cu.yd. excav. at $0.219 per cu.yd. loose rock $0.75, solid rock $1.50, 828 ft. 18 in. culvert labor $0.20, 28 ft. 24 in. $0.30, 6,920 units overhaul $0.02.

Ia., Osage—Mitchell Co., to O'Hanlon & Reilly, Omaha, Neb., improving roads, 158,-187 cu.yd. earth excav. at $0.204 per cu.yd. 162,578 units overhaul $0.02, 250 cu.yd. rock excav. $0.90, 3,971 ft. culvert labor $0.25. Noted July 19.

Ia., Sidney—Fremont Co., grading 2.12 mi. roads, to G. W. Condon, 415 Farnum Bldg., Omaha, Neb. Noted July 12.

Ia., Webster City—Winneshiek Co., to J. A. Dunkel Constr. Co., Webster City, improving road, 5,827 cu.yd. earth and loose rock excav. at $0.60 per cu.yd. 2,011 cu.yd. solid rock $1.20, clearing and grubbing $400.

Ia., West Union—Fayette Co. graveling 17.6 mi. road, to A. J. Fleckenstein, Cedar Rapids.

Minn., Eveleth—Rein.-con. repaving 6 blocks, to Aaby-Maturi, Chisholm, $26,154.

Kan., Iola—Allen Co., grading, bridging, concrete paving 1.689 mi. Federal Aid Project 367-E, to Fry Bros., Iola., $42,749 bridging $4,296 respectively. Noted June 28.

Mo., Kansas City—For 8 in. concrete paving Hardesty St. between 17th and 22nd Sts., to Halpin-Dwyer Constr. Co., 709 Ry. Exch. Bldg., $23,084. Est. $25,000.

Kan., Kansas City—Wyandotte Co., grading, macadam paving 1.545 mi. Overton Rd., to H. C. Botsford, Piper, $26,429.

Kan., Leavenworth—Leavenworth Co., to F. W. Watkins, Eldorado, grading 1.137 mi. Sect. B Federal Aid Project 376, $12,-100; 1.669 mi. Sect. C, $40,151; two 23 ft., eight 30 ft. deck girder span rein.-con. bridges Sect. F, $19,414—to D. Scherrer Constr. Co., Kansas City, grading 1.39 mi. Federal Aid Project 376-A, $7,720—to F. M. Clark, Savannah, Mo., two 30 ft., one 40 ft. deck girder bridge, Sect. G, $10,645. Grand total $90,030. Noted June 28.

Kan., Minneapolis—Ottawa Co., grading, culverts 4.967 mi. Sect. B, 4.033 mi. Sect. C Federal Aid Project 362, to Wyland, Lattin & Yard, Abilene, $42,613; 5 bridges, to C. L. Ring, McPherson, $14,713.

Neb., Bloomfield—For 3 and 4 in. graveling 67,700 sq.yd., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, $21,963. Est. $35,000. Noted June 7.

Neb., Superior—Grading, concrete paving, to Booth & Olsen, Inc., 318 Grain Exch. Bldg., Sioux City, Ia., $27,872.

Mo., Sikeston—Paving Malone Ave., to Tidd & Cole, Hutchinson, Kan., $39,259.

Arkansas—State Hy. Dept., Little Rock, to S. K. Jones, Cotton Exch. Bldg., Memphis, Tenn., grading 9 mi. Lee Co., $37,721—to Hinson Bros., Muskagee, Okla., 5 mi. Sharp Co., $62,997—to Arkansas General Constr. Co., Little Rock, 10 mi. Jefferson Co., $56,018; 11 mi. Jefferson and Grant Counties, $80,879—to S. B. Boyd, Columbia, Miss., 5½ mi. Lafayette Co., $19,757—to Williamson & Williams, Batesville, 8 mi. Stone Co., $68,254—to W. P. McGeorge & Co., Pine Bluff, 7½ mi. Izard Co., $10[illegible]957—to Bradley & Tolbert, Sheridan, 10 mi., Dallas and Ouachita Counties, $63,125—to J. G. Newkirk, Mount Holly, 7 mi. Union Co., $46,481; 11 mi. Columbia and Union Counties, $82,332—to E. A. Luck, 4007 East 53rd St., Kansas City, Mo., 6 mi. Perry Co., $45,887—to Cook & Ransom, Ottawa, 13 mi. Boone Co., $78,486—to North Arkansas Constr. Co., Yellville, 0.3 mi. Marion Co., $10,569—to Philpott Constr. Co., Pine Bluff, concrete paving 11½ mi. Clay Co., $232,642; ½ mi. Union Co., $7,743—to F. U. Halter & Sons, Conway, gravel surfacing 9 mi. Hempstead Co., $12,-422; 8 mi. Saline Co., $12,401—to T. L. Throgmorton & Son, Ft. Scott, Kan., crushed stone surfacing 13½ mi. Hy. 10, Sect. 1, $34,655—to State Hy. Dept. by force account 10.5 mi. Washington Co. Noted July 12.

Texas—G. Gilchrist, state hy. engr., Austin (**e.e. means engrs. est.**), grading, drainage structures on 7.642 mi. hy. in Fayette Co. and 6.64 mi. De Witt Co., to Cage & Ruby, San Antonio, $46,032 and $28,693 respectively, e.e. $36,000 and $32,-400 respectively—13.619 mi. Throckmorton Co., to F. and D. Hall, City Hall, Mexia, $45,108 e.e. $54,000—concrete paving 9.83 mi. Carson Co., to J. W. Zempter & Co., P. O. Box 497, Galveston, $235,467 e.e. $234,000 — grading, drainage structures, concrete paving 10.028 mi. Harris Co., to A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo., $258,849 e.e. $288,000. Grand total $614,149. Noted July 12.

Tex., Amarillo—Concrete curbing, guttering, 6½- 7½ in. vibrolithic concrete paving 5 blocks 2nd St., to C. Pleasant, 715 Rule Bldg., $31,923. Est. $35,000. Noted May 17.

Tex., Ft. Stockton—R. D. Bloydes, mayor, brick, vibrolithic or asphalt paving 17.460 sq.yd., to Brown & Root, P. O. Box 745, Austin, $64,813. Noted July 5.

Tex., Houston—Warrenite bitulithic paving 13,500 sq.yd. Live Oak St., to Gulf Bitulithic Co., 2820 Polk Ave., $36,729. Est. $40,000.

Tex., San Antonio—I. Ewig, city engr., city hall, 2 in. hot rock paving Fredericksburg Rd., from North Flores to Cincinnati Aves., to Uvalde Rock Asphalt Co., 1128 North Mesquite St., $26,401.

Okla., Chickasha—Grading, concrete paving 29,100 sq.yd., to Edminston Constr. Co., Hall Bldg., $82,336. Est. $85,000.

Okla., Okeene—Grading, concrete paving 9,700 sq.yd. Bway., to Dick & Herbert, Perrine Bldg., Oklahoma City, $30,428. Est. $31,000.

Okla., Roosevelt—Grading, concrete paving 9,750 sq.yd. Main St., to J. E. Dennison, Hobart, $30,307. Est. $34,100.

Nevada—State Hy. Comn., Carson City, grading, 20 ft. graveling 7.5 mi. Leitevillle-Fallon State Rd., Churchill Co., to A. D. Drumm, Jr., Fallon $26,986.

Wash., Seattle—Bd. P. Wks., 6 in. concrete paving 157,000 sq. yd., 34th Ave. N. W., to Fiorito Bros., 3950 6th Ave. N. W. $392,924.

California — State Hy. Comn., Sacramento, improving 5.99 mi. Natl. Park Hy., Tehama Co., to Young Bros., Berkeley, $69,901.

California—State Hy. Dept., Sacramento, grading, crushed gravel surfacing 2.1 mi. Humboldt Co., to W. H. Hauser, Orick, $46,803—grading, surfacing 12.1 mi. Lassen and Modoc Counties, to Coolidge & Scott, Minden, Nev., $107,157. Noted Aug. 2.

California—State Hy. Dept., Sacramento, grading 10.6 mi. Placer and Nevada Counties, 20 ft., to Callahan Constr. Co., 830 California Bldg., Los Angeles, $242,442. Noted Aug. 2.

California—State Hy. Comn., Sacramento, widening, asphaltic concrete shoulders 5.1 mi. Hy. between Cherokee Station and Live Oak, San Juaquin Co., to D. McDonald, 1118 G St., Sacramento, $31,279. Noted Aug. 2.

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Streets and Roads (Continued)

Calif., Los Angeles — Grading, concrete paving South Sherman Way and Tyrone Ave. Impvt. Dist., to Curtis Paving Co., 2440 East 26th St., $313,245.

Calif., Pittsburgh—C. A. Hooper & Co., curbing, walks streets bounded by Solari Ave., Columbia St. and county highway, to Hutchinson Co., 1706 Bway., Oakland, $100,000.

Calif., San Diego—Bd. Superv., 6 in. concrete paving 7.5 mi. Lemon Grove, to Noble & Rhodes, Inc., John D. Spreckels Bldg., $165,144.

Calif., Southgate — Grading, curbing, guttering, walks, street lighting Dearborn and Victoria Aves (A & I, No. 5), to V. Kovacevich, 1553 Loma Vitsa Ave., Long Beach, $333,474. Noted July 5.

Calif., South Pasadena—Curbing, walks, 5 in. asphaltic concrete paving 25,300 sq. ft. El Centro St., to Southwest Paving Co., Washington Bldg., Los Angeles, $64,595.

Ont., East Sandwich — Twp., concrete pavements, to Morand & Adair, Lauzon Rd., Riverside, $16,014—sidewalks, to Labute & Canuel, Tecumseh, $19,556—watermains, to Ryan Constr. Co., 109 Ottawa St., Walkerville and Coulotti Bros., 612 Langlois Ave., Windsor, $33,286—sewers to Merlo, Merlo & Ray, Ford City, $4,492. Grand total $73,348.

Ont., Ottawa—Paving Laurier Ave. east from Nelson to Charlotte Sts., to O'Leary's, Ltd., Bank Natl. Bldg., Rideau St., $60,700.

Ont., Ottawa—Paving Laurier Ave. west from Nelson St. to Nicholas St., to O'Leary's Ltd., Bank Bldg., Rideau St., $61,028.

British Columbia—Dpt. P. Wks., Victoria, asphaltic concrete paving 2 mi. Hastings Barnet Rd., to Ellis-Cotton Ltd., False Creeks Yards, Vancouver, $40,000.

Public Bond Elections

Coming Bond Elections

Waterworks—Altus, Okla., Aug. 10, $25,000.
Sewers and Disposal Plant—Peoria, Ill., Aug. 28, $2,415,000.
Sewers—Altus, Okla., Aug. 10, $120,000.
Sewers—Houston, Tex., Aug. 25, $200,000.
Irrigation Work — Hidalgo County, Tex., Water Impvt. Dist., $125,000.
Paving—Houston, Tex., Aug. 25, $1,750,000.
Roads—Caldwell County, Tex., $200,000.
Roads—Willacy County, Tex., $400,000.
Electric Light Plant—Paducah, Ky., Nov. 6, $800,000.

Bonds Voted

Waterworks—Purcellville, Va., $90,000.
Waterworks—Sulphur, La., $60,000.
Waterworks—Maud, Okla., $75,000, Long & Co., Okla. City, Engrs.
Waterworks—Tenaha, Tex., $30,000.
Waterworks—Sierra Madre, Calif., $130,000.
Sewers—Mineola, N. Y., $650,000, Clyde Potts, New York, Engr.
Sewage Disposal—Highland, N. C., $65,000.
Sewers — Hinton, Okla., $30,000, Coon & McKinnon, Guthrie, Engrs.
Sewers — Waco, Tex., $250,000, E. E. McAdams, City Mgr.
Incinerator—Waco, Tex., $30,000.
Paving—Ripley, Tenn., $75,000.
Roads—Pecos County, Tex., $500,000.
Roads—Baylor County, Tex., $275,000.

Bonds Defeated

Waterworks—Camden, Tenn., $37,000.
Waterworks—Bertha, Minn., $25,000.
Sewers—Camden, Tenn., $56,000.

Buildings—Commercial

Proposed Work

Me., Portland—HOSPITAL—Maine General Hospital sketches by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, Mass., 3 story, basement, brick addition. $200,000.

Mass., Boston—OFFICE—Osler Medical Building Trust, A. P. Pearce, Jr., trustee, 15 State St., plans by Blackall, Clapp & Whittemore, 31 West St., 8 story, basement, 60 x 300 ft., brick, steel, limestone, plain found., Bay State Rd. and Sherborn St. $1,000,000.

Mass., Hingham—TEMPLE—Old Colony Lodge A. F. & M., J. I. Botting, sketches by T. M. James Co., 3 Park St., Boston, Mass., masonic temple. $150,000 or more.

Mass., Lawrence — HOSPITAL — City, c/o J. J. Deacy, chn. Bd. Health, sketches by Ashton, Huntress & Alter, 477 Essex St., probably brick, stone, Marston St. To exceed $150,000. Noted Nov. 3.

Conn., Bristol — CITY HALL — City, Mayors Office, City Hall, new city hall. $150,000 or more. Engineer and architect not selected.

Conn., Hartford—APARMENT, STORE and THEATRE—Community Theatre Building Corp., c/o G. H. Matthews, archt., 48 Camp St., 3 story, basement, 50 x 140 ft., apartment and store, and 2 story, 65 x 140 ft. theatre building, both brick and steel, Albany Ave., $300,000. Noted Aug. 2.

R. I., Providence—BANK and OFFICE—Providence National Bank, 20 Westminster St., sketches by Howe & Church, 1208 Turks Head Bldg., brick, steel, Westminster St. To exceed $150,000.

N. Y., Brooklyn—APARTMENTS—Bona Fide Realty Corp., I. Weiner, pres., 191 Joralemon St., plans by Prober & Blaufeux, 66 Court St., two 4 story, 75 x 90 ft., brick, timber, Bay 41st St. and Benson Ave. $100,000 each.

N. Y., Brooklyn—APARTMENT—Red Brick Realty Co., A. Fox, pres., 6801 Bay Parkway, plans by Cohn Bros., 361 Stone Ave., 6 story, 76 x 100 ft., brick, timber, Bay 29 and Benson Sts. $185,000.

N. Y., Buffalo—GARAGE—Genesee Motoramp Garage, 92 Perl St., F. W. Moe, in charge, 21 East 40th St., New York, bids after Aug. 10, general contract garage, 312 Pearl St. $60,000. E. B. Green & A. H. Hopkins, 1 Niagara Sq., archts.

N. Y., Comstock—PRISON—Dpt. Correction, 11 North Pearl St., Albany, bids in September or October, prison. State Dept. Architecture, Albany, archt. H. W. Vasser, 10 East 47th St., New York, associated archt.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENTS—Jackson Hei hts Apartment Co., 14 East 41st St., New York, plans by G. H. Wells, 274 Madison Ave., New York, four 3 story, 42 x 51 ft., brick, timber, Hays Ave. and 28th St. $150,000.

N. Y., Kew Gardens—APARTMENT—M. Bieher, Plaza Crescent Bldg., Long Island City, plans by B. Braunstein, 163-18 Jamaica Ave., Jamaica, 6 story, 161 x 193 ft., brick, timber, 118th St. and Metropolitan Ave. $350,000.

N. Y., Kings Park — HOSPITAL — Dpt. Mental Hygiene, Albany, bids late in August, hospital at Kings Park State Hospital. $275,000. W. E. Hauggard, Albany, state archt. Clark & Arms, Park Ave., New York, assoc. archts. Noted June 7.

N. Y., Middletown — HOSPITAL — Dpt. Mental Hygiene, Capitol, Albany, bids latter part August, general contract Middletown State Hospital. $900,000. State Dept. Architecture, Albany, archts. LaFarge, Warren & Clark, 146 East 46th St., New York, associated archts. Noted June 7.

N. Y., Montauk Point (Montauk P. O.)—HOTEL—Montauk Beach Development, C. G. Fisher, in charge, 730 5th Ave., New York, plans by Lockwood, Greene & Co., 1 Pershing Sq., New York, hotel. $750,000.

N. Y., Mt. Vernon—STORE and OFFICE—C. N. Whinston & Bros., archts., 2 Columbus Circle, New York, soon take bids general contract store and office building, North St. and 4th Ave., for C. Lerner & Son, 354—4th Ave., New York. $150,000.

N. Y., New York — APARTMENT — Galock Realty Corp., S. Gordon, pres., 56 West 45th St., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 67 x 150 ft., brick, timber, McGraw and Stomow Sts. $200,000.

N. Y., New York—APARTMENT—Shalex Realty Co., S. Shapiro, pres., 565 Tremont Ave., plans by Goldner & Goldner, 141 West 42nd St., 6 story, 27 x 155 ft., brick, timber, 105 Bennett Ave. $450,000.

N. Y., New York—APARTMENT—Shalex Realty Co., S. Shapiro, pres., 565 East Tremont Ave., plans by Goldner & Goldner, 141 West 42nd St., 6 story, 87 x 180 ft., brick, timber, 117 Bennett Ave. $550,000.

N. Y., New York—APARTMENT and STORE—B. M. House & Son, 17 West 96th St., plans by Ellis, Aaronson & Heidrich, 25 West 43rd St., 16 story, 99 x 100 ft., brick, steel, 301 East 38th St. $1,000,000.

N. Y., New York—APARTMENT—Baker Lewine Constr. Co., A. E. Lewine, pres., 345 Madison Ave., plans by J. M. Felson, 250 West 57th St., 16 story, 82 x 109 ft., brick, steel, 302 East 79th St. $900,000.

N. Y., New York—APARTMENT—Lehy Building Corp., L. Brill, pres., 151 East 120th St., plans by G. G. Miller, 1482 Bway., 6 story, 87 x 150 ft., brick, timber, Boynton and Westchester Aves. $250,000.

N. Y., New York—APARTMENT—Marburn Realty Co., M. Brenner, pres., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 132 x 177 ft., brick, timber, Pugsley and 177th Sts. $375,000.

N. Y., New York—APARTMENT—Three Hundred Fifty Central Park West Corp., I. Kraft, pres., 1560 Bway., plans by J. M. Felson, 250 West 57th St., 16 story, 108 x 201 ft., brick, steel, 341 Central Park West. $1,250,000.

N. Y., New York—APARTMENT—Townwalt Realty Corp., J. S. Weiss, pres., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 90 x 150 ft., brick, timber, Eastern Blvd. and Roberts Ave. $425,000.

N. Y., New York—BANK and OFFICE—S. Birns, 107 2nd Ave., plans by R. H. Segal, 475 5th Ave., 6 story, 90 x 100 ft., brick, stone, steel, 107 2nd Ave. $300,000.

N. Y., New York—HOSPITAL—Skin & Cancer Hospital, 301 East 19th St., plans by Crow, Lewis & Wick, 200 5th Ave., hospital, 106-7 5th Ave. Noted June 28.

N. Y., New York—LOFT, STORAGE and STORE—Cobus Holding Corp., W. H. Jacobus, pres., 114—5th Ave., plans by W. I. Hehauser, 17 West 44th St., 15 story, 28 x 150 ft., brick, steel, 307 5th Ave. $375,000.

N. Y., New York—STORES and APARTMENTS—Morrow Bros. Constr. Co., 343 Lexington Ave., plan 18 story, brick, rein.-con., steel, stores and apartments, Amsterdam, 78th and 79th Sts. $1,500,000.

N. Y., Utica—ARMORY—State of New York, Albany, bids in October, armory. $200,000. H. C. Caldwell, 101 Park Ave., New York, archts. W. M. Acheson, 353 Bway., Albany, engr.

N. Y., White Plains—CLUB HOUSE—B.P.O.E., E. A. O'Brien, secy., Hamilton Ave., sketches by Schultz & Whitney, 247 Park Ave., New York, 2 story clubhouse, Hamilton Ave. $200,000.

N. J., Bergenfield — CLUB — Knights of Columbus, St. John's Council, Washington Ave., will not construct 3 story, basement, brick, steel, plain found. $150,000. Project abandoned. Noted May 31.

N. J., Bloomfield—APARTMENT— M. Olman, 46 Maolis Ave., Newark, will not construct 6 story, basement, brick, steel, plain found. $250,000. Project abandoned. Noted Oct. 6.

N. J., East Orange—MEDICAL BUILDING—Aetna Realty Co., 31 Wayne Ave., sketches by W. E. Lehman, 972 Broad St., Newark, 10 story, basement, brick, steel, plain found. Main St., $1,000,000. Steam heating.

N. J., Hackensack — GARAGE — H. V. Keenan, 29 State St., plans by J. L. Tillack, 173 Main St., 5 story, basement, brick, steel, plain found. $200,000. Noted Mar. 9.

N. J., Hoboken—APARTMENT—Marlboro Co., J. J. O'Leary, pres., 730 Hudson St., sketches by F. W. Fisher, 68 Hudson St., 8 story, basement, brick, steel, plain found., Washington St. between 10th and 11th Sts. $500,000. Noted Aug. 2.

N. J., Jersey City—TERMINAL—Jersey City Chamber of Commerce, R. J. Hoos, pres., 1 Newark Ave., brick, steel, plain found. Railway terminal Cornelison Ave. Montgomery and Grand Sts., $1,000,000. Engineer and architect not selected.

N. J., Montclair — HOSPITAL — W. L. Walker, archt., 103 Park Ave., New York, soon lets contract, 3 story, basement, 36 x 134 ft., brick, steel, plain found., Harrison Ave., for Montclair Community Hospital, 120 Harrison Ave. $300,000. Noted May 17.

N. J., Newark — APARTMENT — Gibbs Building & Constr. Co. c/o L. Kasoff, archt., 164 Market St., 5 story, basement, 100 x 140 ft., brick, steel, plain found., 502-4 Summer Ave. $260,000.

N. J., Newark — APARTMENT — H. R. Van Cuyne, Inc., plans by J. B. Peterkin, 285 Madison Ave., New York, 5 story, basement, brick, steel, plain found., Parkview Terrace and Chancellor Ave., Jersey City. Est. $500,000.

N. J., Newark—GARAGE—Owner, c/o F. H. Koenigsberger, archt., 48 Walnut St., sketches 3 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—HOME OFFICE—American Insurance Co., C. W. Bailey, pres., 70 Park Pl., sketches by J. H. and W. C. Ely, 605 Broad St., brick, steel, plain found. $500.

N. J., Newark—HOSPITAL—St. Barnabas Hospital, 685 High St., plans by Crow, Lewis & Wick, 200 5th Ave., New York, 3 story, basement, brick, steel, plain found., 685 High St. $150,000. Noted June 21.

N. J., Newark—STORE—L. Bamburger & Co., Market St., plans by A. Markt & Co.,

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Buildings—Commercial (Continued)

archts. and engrs., 175 5th Ave. New York, 8 story, basement, 200 x 300 ft., brick, steel addition, plain found. $500,000.

N. J., Paterson — BUSINESS — Carroll Estate, c/o F. W. Parsons, archt., 949 Bway., New York, revised plans 12 story, basement, 100 x 107 ft., rein.-con., brick, steel, plain found. $500,000. Former bids rejected. Noted Apr. 12.

N. J., Ridgefield — BANK — Ridgefield Natl. Bank, Broad Ave., plans by Francisco & Jacobus, 511 5th Ave., New York, general contract 2 story basement, brick, steel, plain found., Broad and Edgewater Aves. $150,000. Noted July 26.

N. J., Teaneck—APARTMENT—Manor Arms, Inc., c/o P. J. Jossler, archt., 240 Broad Ave., Palisades Park, 3 story, basement, steel, brick, plain found., Cedar Lane. $200,000.

N. J., West Orange—APARTMENTS—J. Anteloro, c/o D. J. Scrocco, archt., 60 Park Pl., Newark, two 3 story, basement, brick, steel, plain found., 45-47 Watson St. $150,000.

Pa., Uniontown—BANK—National Bank Fayette Co., M. H. Bourman, pres., Uniontown, plans by Hopkins & Dents, 415 Lexington Ave., New York, bank. $200,000

D. C., Wash.—AMUSEMENT—National Arcade Co., 2807 Conn. Ave. N.W., tentative sketches 10 story, 99 x 146 ft. amusement building, incl. dance hall, poolroom, roof garden, bowling alleys. $700,000.

D. C., Wash.—OFFICE—Southern Railway Co., 13th St. and Penn. Ave., B. Herman, chn. engr., plans by W. B. Wood, 16 Jackson Pl. N.W., office, 15th and K Sts. N.W.

N. C., Charlotte—OFFICE—Amer. Trust Co., W. H. Wood, pres., American Bldg., plans 20 story, basement, brick, steel, South Tryon St. $1,200,000.

N. C., Raleigh—CITY HALL—City new municipal building, auditorium, 10,000 seating capacity, South Fayetteville St. $500,000. C. C. Page, Comr. Pub. Wks.

N. C., Raleigh — OFFICE and CLUB—Capitol Club, J. W. Hinsdale, pres., plans by F. Simpson, Raleigh, 14 story, basement, Martin and Salisbury Sts. $500,000.

N. C., Raleigh—OFFICE—Raleigh Banking & Trust Co., W. B. Drake, pres., soon takes bids 8 story, 66 x 114 ft., (ultimately 11 story) limestone, concrete, steel, Fayetteville St. $300,000.

Tenn., Nashville — HOSPITAL — Central State Insane Hospital rebuilding Insane Hospital, Murfreesboro Rd., recently destroyed by fire. $200,000. R. H. Lyle, comr. Institutions.

Tenn., Nashville—LODGE—Grand Lodge of Pythias, N.A.S.A.E.A., 428 5th Ave. N., Grand Lodge of Pythias (Colored), 4th and Cedar Sts. $165,000.

O., Akron—EXCHANGE—Ohio Bell Telephone Co., c/o A. W. Bailey, architectural engr., 750 Huron Rd., sketches by Mills, Rhines, Bellmen & Nordhoff, Ohio Bldg., Toledo, 6 story, basement, brick, steel, rein.-con., Bowery and Quaker Sts. $700,000.

O., Cleveland — APARTMENTS — Parklawn Impvt. Co., 502 Ulmer Bldg., plans by L. Skolnik, Auditorium Garage Bldg., two 3 story, basement, 40 x 82 ft., brick, timber, Parklawn Ave. $150,000.

O., Cleveland — PARKING GARAGE — The 1353 Chester Co., c/o M. Marmorstein, pres., Union Mortgage Bldg., 6 story, basement, 88 x 125 ft., brick, rein.-con., East 13th St., and Chester Ave. $300,000.

O., Cleveland Heights (Warrensville P. O.)—APARTMENT—B. D. Roseman, 14628 South Woodland Rd., Cleveland, plans by M. Weis, 1836 Euclid Ave., Cleveland, 3 story, basement, 140 x 196 ft., brick, steel, Superior Parkway. $300,000. Noted May 10.

O., Dayton—APARTMENT—H. W. Adelberger, Jr., 317 Ottebein Ave., 3 story, basement, 80 x 190 ft., rein.-con., brick, incl. garages, plain found., North Robert Blvd. $300,000.

O., Lakewood (br. Cleveland)—APARTMENT—Shoreham Apartments Co., c/o M. Arnoff, 2030 East 86th St., Cleveland, 4 story, basement, 43 x 140 ft., brick timber, 12016 Lake St. $175,000. Private plans.

O., Wauseon—HOSPITAL and NURSES HOME—Community Hospital Assn., c/o A. Suempel, bids early in September, hospital and nurses home. $250,000. H. C. Pelton, 415 Lexington Ave., New York, archt. Jaros & Baum, 116 West 39th St., New York City, heating engr.

Mich., Detroit—STORE—Paterson Development Co., c/o Stratton & Hyde, archts., Marquette Bldg., 2 story, basement, 105 x 145 ft., rein.-con., brick, plain found., Jefferson Ave. $150,000.

Mich., Kalamazoo—BANK and OFFICE—Kalamazoo Trust & Savings Bank, plans by Weary & Alford, 1923 Calumet Ave., Chicago, Ill., 15 story, steel, brick, stone, granite bank and office. $1,000,000.

Ill., Chicago—APARTMENT — H. H. Decker, 400 North Michigan Ave., will not build 25 story, basement, apartment, Burnham Park and Chicago Beach Dr., $2,100,000. Noted Feb. 2.

Ill., Chicago—APARTMENT—Friedman Constr. Co. (owner and contractor), 105 North Clark St., soon takes bids sub-contracts 3 story, basement, 100 x 163 ft., brick, terra cotta, West 16th St. and Springfield Ave. $300,000. T. R. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago—APARTMENT and STORE—A. Rosenfeld, 11 South La Salle St., soon takes bids 4 story, basement, 50 x 171 ft., brick, stone, 1440 Morse Ave. D. S. Klafter, 64 West Randolph St., archt.

Ill., Chicago—CLUB—Hellenic Arts Club, 134 North La Salle St., plans by N. Z. Konstant, 222 North Wells St., (or 205 West Wocker Dr.), 42 story, club, incl. gymasiums, lounge rooms and dining room, etc. $3,500,000.

Ill., Chicago — HOSPITAL — Henrotin Hospital, 937 North La Salle St., sketches by Holabird & Root, 333 North Michigan Ave., 20 story, 937 North La Salle St. $2,000,000.

Ill., Chicago—POWER PLANT—University of Chicago, 189 West Madison St., plans by P. B. Maher, 159 East Erie St., archt., Neiler, Rich & Co., 431 South Dearborn St., engrs. 47'000,000 cu.ft. power plant, 61st St. and Blackstone Ave., $1,500,000.

Ill., Decatur—OFFICE—Citizens Building Corp., c/o W. Barns, Jr., 250 North Water St., plans by Holabird & Root, 333 North Michigan Ave. Chicago, 10 story, basement, rein.-con., brick, steel, North Water St. $500,000.

Ill., Decatur — OFFICE and STORE — Citizens Building Corp., 250 North Water St., plans by Holabird & Root, 333 North Michigan Ave., Chicago, 10 story, 254 North Water St. $500,000.

Ill., Freeport — APARTMENT, STORE and THEATRE — United Studios, Inc. (owners and architects), 3 story, basement, 92 x 120 ft., and 50 x 90 ft., brick, stone, 114 South Galena Ave. $450,000.

Wis., Milwaukee—BANK—Badger State Bank, 2020-8 Fond du Lac Ave., plans by Kirchhoff & Rose, 210 Michigan St., 2 story, brick, Fond du Lac Ave. $200,000.

Minn., St. Paul—GARAGE—Abbott-Miller Co., 317 Commerce Bldg., 4 story, basement, rein.-con., brick, 3rd and Wabash Sts., for Ballard Storage & Transfer Co., 16 East 4th St. $250,000.

Kan., Beloit—HOSPITAL—City, W. S. Irwin, secy., plans by Pelton & Rogers, 415 Lexington Aves., New York, general contract 2 story hospital. $200,000. Jaros & Baum, 116 West 39th St., New York, heating and ventilating engrs.

Mo., St. Joseph — APARTMENTS — National Building & Constr. Co., Waldheim Bldg., Kansas City, 3 story, basement, 40 x 65 ft., rein.-con., brick, terra cotta twin apartments, Noyes St. and Jules Blvd. $200,000. Owner builds.

Mo., St. Louis — APARTMENT — A. H. Winklemeyer, 2602 South Grand Blvd., takes bids after Sept. 1, 7 story, basement, 90 x 100 ft., rein.-con., brick, terra cotta, Grand and Sidney Aves. $350,000. Bowling & Shank, 1198 Arcade Bldg., archts. Noted Dec. 1.

Mo., St. Louis—EXHIBITION HALL—Forest Park Highlands Exhibition & Amusement Co., c/o B. G. Brinkman, pres., 5600 Oakland Ave., bids about Sept. 1, separate contracts two 288 x 300 ft. exhibition halls, 282 x 412 ft. arena, and main building, 132 ft. high, all rein.-con., brick, steel, Oakland and Parkview Aves. $1,500,000. G. H. Holcombe & H. W. Hollingsworth, Tulsa, Okla., archts. and engrs. H. M. Sohrman, 7209 Lyndover St., associated archt. Noted June 7.

Mo., St. Louis—HOSPITAL — St. Lukes Hospital, 5535 Delmar Blvd., sketches, rein.-con., brick, stone addition. $1,000,000 or more.

Mo., St. Louis — STORE and APARTMENT—Local syndicate, c/o S. Hamburg, Jr., Arcade Bldg., sketches by J. L. Bowling & T. Shank, Arcade Bldg., 4 story, basement, 100 x 148 ft., rein.-con., brick, terra cotta, Delmar Blvd. and DeBaliviere Ave. $300,000.

Mo., St. Louis—HOTEL—F. Yawitz, 2333 Pine St., sketches rein.-con., brick, steel, terra cotta on 63 x 109 ft. site, 15th and Pine Sts. $1,000,000 or more.

Mo., Moberly — Moberly Y.M.C.A. postponed taking bids until spring, 4 story, 100 x 120 ft., rein.-con., brick, stone, terra cotta building. L. Abt, Moberly, archt. Noted Mar. 15.

Tex., Beaumont — MEDICAL ARTS — Owner, c/o H. W. Willis, leasing agt., Beaumont, plans by Flint & Broad, Melba Bldg., Dallas, 10 story, rein.-con., brick, stone, Pearl and Milan Sts. $750,000.

Tex., Beaumont—MEDICAL ART—E. S. White, archt., 919 Post Dispatch Bldg., Houston, soon takes bids 12 story, brick, stone, rein.-con., steel, Park and Fannin Sts., for W. C. Biddle, 917 Post Dispatch Bldg., Houston. $800,000.

Tex., Beaumont—Y. M. C. A., c/o T. N. Whitehourst, chn., plans by Tisdale, Stone & Pinson, 1103 Goodhue Bldg., J. W. Ogg, consult. archt., 19 South La Salle St., Chicago, Ill., and soon takes bids 3 and 4 story, part basement, 100 x 128 ft., brick, steel, rein.-con. $400,000. Noted June 14.

Tex., Brownsville—ADMINISTRATION — A. B. Cole, mayor, soon takes bids 2 story, 25 x 40 ft., stucco, timber, in El Jardin Addition. $150,000.

Tex., Houston—DEPOT—Southern Pacific Lines (in Texas and Louisiana) R. W. Barnes, ch. engr., Southern Pacific Bldg., 913 Franklin Ave., plans by Hedrick & Gottlieb, Post Dispatch Bldg., 2 story, basement, Washington St. $3,500,000.

Tex., Laredo—OFFICE—Adams & Adams, archts., Real Estate Bldg., San Antonio, soon take bids 5 story, basement, 55 x 110 ft., brick, concrete, stone, for A. M. Bruni. $150,000.

Tex., Marlin — HOTEL — Owner, c/o Chamber of Commerce, sketches 7 story, brick, stone, rein.-con. hotel. $400,000.

Tex., Port Arthur—HOTEL—F. Goodhue, Goodhue Bldg., Beaumont, plans by Tisdale, Stone & Pinson, 1103 Goodhue Bldg., Beaumont, 10 story, basement, 75 x 140 ft., brick, steel, stone hotel, rein.-con. piling contract, to Spence & Howe, 416-5th St., Beaumont, concrete work, to Sneed Constr. Co., 1017 Goodhue Bldg., Beaumont. Est. $550,000. Noted May 24.

Tex., San Antonio—BANK and OFFICE—Groos National Bank, c/o F. Groos, pres., Commerce and Navarro Sts., bids late in summer, 10 story, basement, 68 x 86 ft., rein.-con., brick, plain found., Commerce and Navarro Sts. $350,000. H. T. Phelps, c/o Hicks Bldg., archt. Noted Sept. 22.

Tex., Sherman — HOME — J. Tullock, archt., 213 M. & P. Bank Bldg., soon takes bids Home for Aged, for Woodman Circle Assn., c/o Secretary. $250,000. Noted Apr. 5.

Tex., Waco—CITY HALL—City, E. E. McAdams, mgr., soon takes bids city hall. $225,000. Noted June 28.

Okla., Duncan—HOTEL—Southland Hotel Co., J. W. Winfrey, mgr., Duncan, sketches 4 story, basement, 100 x 140 ft., rein.-con., brick, plain found., 7th St. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—THEATRE—G. A. Nichols, 10 North Harvey St., sketches 2 story, basement, rein.-con. brick, plain found., 13th St. $150,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—Baptist Church, J. B. Rounds, pastor, 223½ West 1st St., sketches 6 story, basement, rein.-con., brick, plain found., 5th St. $300,000.

Wash., Seattle—APARTMENT—Gardner Gwinn, Inc., Hoge Bldg., 3 story, basement, brick, steel, terra cotta apartment, 26 car garage, 1605 Olive Way. $155,000.

Ore., Salem—HOTEL—H. F. Patton bids in fall, rein.-con., timber, plain found., Capitol Sq. $350,000. Knighton & Howell, U. S. Natl. Bank Bldg., Portland, archts. W. M. Dean, San Francisco, Calif., lessee.

Calif., Beverly Hills — BANK and OFFICES — California Bank, plans by J. B. Parkinson, Title Insurance Bldg., Los Angeles, 2 and 3 story, 100 x 300 ft., rein.-con., steel. $500,000.

Calif., Burbank — RECORDING — First National Studios, rein.-con., Dark Canyon Rd. $150,000 or more. Private plans.

Calif., Fresno—LODGE—Fresno Lodge 186, I.O.O.F. plans by Kump & Johnson, Rowell Bldg., 5 story, basement, fireproof Merced St. and Bway. $160,000. Noted Jan. 6, 1927.

Calif., Los Angeles—APARTMENT—Associated Owners Income Properties, Inc., 6733 Hollywood Blvd., sketches by J. A. Grey, 1537 North McCadden Pl., main portion 2 and 3 story, brick, steel, incl. 6 story tower, garage, Hayworth Ave. near Sunset Blvd. To exceed $150,000.

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Buildings—Commercial (Continued)

Calif., Los Angeles — APARTMENT — Owner, c/o L. L. Jones, archt., 2504 West 7th St., 7 story, basement, rein.-con., Virgil St. To exceed $150,000.

Calif., Los Angeles—BANK and OFFICE —Brain & Keeler, c/o Taylor & Taylor, archts., 810 West 6th St., 1 story, basement, 120 x 180 ft., brick, Reed and Washington Sts.

Calif., Los Angeles—FURNITURE SALES and WAREHOUSE— W. M. Gottschalk, c/o Norton & Wallis, archts., Financial Center Bldg., 4 story, 50 x 140 ft., brick, Santee St.

Calif., Los Angeles — HOSPITAL—Kaspare Cohn Hospital plans by C. Beelman, Union Bank Bldg., 8 story, basement, 250 bed capacity, structural steel, rein.-con., Fountain Ave. $1,500,000. Noted Mar. 8.

Calif., Los Angeles—HOTEL and THEATRE—N. Williams, c/o A. G. Bailey, archt., Hill street Bldg., 6 story, basement, 75 x 115 ft., rein.-con., steel, Pacific Blvd. $250,000.

Calif., Los Angeles—OFFICE—Southern California Edison Co., 306 West 3rd St., plans by Allison & Allison, Hibernian Bldg., 13 story, basement, sub-basement, 175 x 175., rein.-con., steel, stone, terra cotta, 5th St., and Grand Ave.

Calif., Murrieta—HOTEL, etc.—Mission Hot Springs, Inc., represented by R. Rosenberg, 527 Roosevelt Bldg., Los Angeles, 5 story, Class "A" hotel, garage and cottages. $150,000 or more.

Calif., San Diego — THEATRE and STORE—Gildred Bros. plans by Weeks & Day, Financial Center Bldg., San Francisco, steel, concrete, A, D, 7th and 8th Sts. $750,000.

Calif., San Francisco — TERMINAL—Western Pacific R.R. Co., J. D. Williams, ch. engr., Mills Bldg., railroad terminal, Islais Creek Dist. To exceed $500,000.

Ont., Toronto—DEPARTMENT STORE—I. Eaton Co. Ltd., 190 Yonge St., 7 story, basement, sub-basement, 206 x 246 ft., steel and stone, 460,000 sq.ft. floor space, Yonge and College Sts.

Ont., Windsor — OFFICE — Metropolitan Building Co., c/o Pennington & Boyd, archts., Security Bldg., 10 story, basement, brick, rein.-con., steel, plain found., London St. and Victoria Ave.

B. C., Point Gray—ARMORIES—Syndicate, c/o R. T. Perry, archt., 427 Standard Bank Bldg., sketches brick, steel, armories and drill hall, plain found., 41st Ave. and Maple St. $300,000.

Bids Desired

Mass., Boston—APARTMENTS—Esplanade Realty Trust, D. and S. Stern, 295 Washington St., taking bids general contract six 5 story, basement, 55 x 105 ft., brick, stone, plain founds., Pinkney St. $2,500,000. Hutchins & French, 11 Beacon St., archts. Noted Mar. 15.

Mass., Fall River—STORE and OFFICE —Aug. 16 (extended date), by Burke Inc., T. F. Burke, 46 North Main St., and D. Shapiro, Globe Bldg., North Main St., archt., 4 story, basement, brick, plain found., North Main and Granite Sts. $150,000. Noted July 19.

Mass., Gardner—COURT HOUSE, etc.—Aug. 20 by City, c/o G. C. Sweeney, 2 story, basement, brick and steel courthouse and police station, Pleasant St. $150,000 Haynes & Mason, 280 Main St., Fitchburg, archts.

Mass., Marlboro—BANK—Marlboro Savings Bank, C. F. Robinson, pres., 32 Mechanic St., taking bids altering and constructing 2 story, basement, brick, steel, rein.-con., stone addition, plain found., Mechanic St. $150,000. T. M. James Co., 3 Park St., Boston, archt.

Mass., Medford (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Quincy (Ind. br. Boston) — APARTMENTS — W. G. Shaw, 44 Butler Road, taking bids 3 story, basement, 60 x 110 ft., brick, stone, plain found, Butler Road. $150,000. E. J. Batty, Inc., 13 Temple St., archt.

Mass., Somerville (br. Boston)—HOSPITAL—Aug. 16 by Trustees Somerville Hospital, F. J. Dreyer, chn. building comn., and Stevens & Lee, archts., 45 Newbury St., Boston, (1st Unit), 4 story, basement, brick, rein.-con., plain found., Crocker St. $160,000. Noted May 10.

Conn., New Haven—WARD—New Haven Hospital, 330 Cedar St., plans by H. C. Pelton, 415 Lexington Ave., New York and takes bids about Sept. 15, ward building. $500,000. Long & Noska, 420 Lexington Ave., New York, engrs. Noted July 19.

R. I., Woonsocket—CITY HALL—Aug. 14 by City, P. Building Dpt., altering and constructing 3 story, 75 x 100 ft., brick, steel and stone, addition, Main St., $150,000. O. H. Drouin, Monument Sq., archt. Noted Aug. 2.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn — STADIUM and STORE—Bedford Gardens, Inc., K. Perlware, pres., 913 45th St., taking sub-bids 4 story, 231x756 ft., stadium and store, Bedford Ave. and Beverly Rd. $750,000.

N. Y., Elmira—OFFICE and STORE—Blackmore-Danzig Co., 107 East Water St., taking bids general contract office and store building, Water and Main Sts. $150,000. R. D. Kohn, 56 West 45th St., New York, archt.

N. Y., Jackson Heights (Sta. Flushing)—APARTMENT—Laurel-Manhattan Co., 3451 —89th St., taking bids separate contracts 88 x 100 ft. apartment, 93rd St. and Northern Blvd. $250,000. B. Driesler, Jr., 153 Remsen St., Brooklyn, archt. Noted July 19.

N. Y., Jamaica — AMUSEMENT — See "Contracts Awarded."

N. Y., Long Island City—APARTMENT —S. Maggio, 10-87 Van Alst St., taking bids general contract 4 story, 88 x 164 ft., brick, timber, Crescent St. and Bway. $165,000. A. L. Lukowsky, 28-13 Newtown Ave., archt. Noted July 19.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and OFFICE—Charking Corp., S. M. Barner, pres., 305 5th Ave., taking sub-bids 21 story store and office, 30 East 53d St., $500,000. R. T. Lyons, 40 East 49th St., engr.

N. Y., Ogdensburg — HOSPITAL — Aug. 22, by Dpt. Mental Hygiene, Capitol, Albany, reception hospital, heating, sanitary and electrical work, at St. Lawrence State Hospital; adv. E. N.-R., Aug. 9. Noted July 12.

N. Y., Tarrytown—APARTMENT—Margon & Holder, archts., 29 West 57th St., New York, taking bids on separate contracts 6 story apartment, White Plains Rd. and Bway., for Mt. Pleasant Realty Co., S. Slifkin, pres., 50 Cottage Pl. $1,000,000.

N. J., Belleville — APARTMENT — See "Contracts Awarded."

N. J., Bogota—APARTMENT—See "Contracts Awarded."

N. J., Fairview—STORE and APARTMENT—See "Contracts Awarded."

N. J., Fort Lee—BORO HALL—Aug. 15, by Bd. Boro Council, Main St., 3 story, basement, 75 x 102 ft., brick, steel, plain found., Center and Main Sts., $250,000. Noted Apr. 19.

N. J., Jersey City — APARTMENT and STORE — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contract Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—ARMORY—Aug. 30, by Institutions & Agencies, W. J. Ellis, comr., Trenton, L. shaped armory, $150,000. C. N. Leathem, State Building, Trenton, archt.

N. J., Orange — APARTMENT — See "Contracts Awarded.

N. J., Passaic—COMMERCIAL—B. Billary, archt., 625 Main Ave., taking new sub-bids 3 story, basement, 50 x 100 ft., brick, steel, plain found., 267-69 Passaic St., for M. E. Lindenstruth, 267 Passaic St. $150,000. Noted July 12.

N. J., Perth Amboy — BANK and OFFICE — J. N. Pierson & Son, archts., 198 Jefferson St., taking bids altering 3 story, basement, 30 x 100 ft., brick, steel, addition, plain found., Smith and Hobart Sts., for Perth Amboy Trust Co., 147 Smith St. $150,000. Noted Aug. 2.

N. J., Westfield — STORE — Owner c/o J. Anderson, archt., 251 North Broad St., Elizabeth, bids about Aug. 5, 2 story, basement, 100 x 160 ft., brick, steel, plain found., 260 East Broad St., $150,000. Noted Aug. 2

N. J., West Caldwell (mail Caldwell)—SANITARIUM—E. H. Fougner, archt., 197 Market St., Newark, taking bids 3 story, basement, brick, steel, plain found., Mountain Ave., for The Theresa Grotto Aid for convalescents, c/o archt. $150,000.

N. J., West New York—APARTMENT—Park Avenue Holding Corp., 608 Park Ave., taking bids on separate contracts 5 story, basement, brick, steel, plain found., Hudson County Blvd. $150,000. G. B. McIntyre, 608 Park Ave., archt.

Md., Crisfield—HOTEL—Aug. 8, by J. O. Blair, archt., 330 St. Paul St., 6 story, basement, 90 x 130 ft., brick, cast stone, concrete for Crisfield Hotel.

Ga., Atlanta—OFFICE—Sept. 15 by Pringle & Smith, archts., Norris Bldg., 20 story, basement, rein.-con., brick, steel, plain found., Peachtree Rd., James and Forsyth Sts., for Rhodes-Haverty Co., $650,000. Noted May 17.

O., Cincinnati—OFFICE—Union Gas & Electric Co., 4th and Plum Sts., bids about Aug. 10, 14 story office building, 4th and Main Sts. $650,000. Garber & Woodward, 4 West 7th St., archts. J. R. Pope, 542 5th Ave., New York, consult., archt. Fosdick & Hilmer, 1708 Ingals Bldg., engr.

O., Columbus—LIBERAL ARTS—Aug. 14, by Bd. Trustees, C. E. Steeb, secy., Ohio State University, 3 story, basement, 180 x 200 ft., brick, stone, concrete, addition, campus, $370,000. Noted July 12.

Mich., Eloise—HOSPITAL—Aug. 14, by H. H. Prenzlaner, secy. Wayne Co. Poor Bd., City Service Bldg., Detroit, 3 story, basement, rein.-con., brick, steel, plain found., Michigan Ave. $500,000. Maul & Lentz, 1259 David Whitney Bldg., Detroit, archts. Noted Apr. 12.

Ill., Chicago—GYMNASIUM—Armstrong, Furst & Tihon, archts., 127 North Dearborn St., bids about Aug. 17, brick, stone, gymnasium, incl. 25 x 60 ft. swimming pool Kenwood Ave. and 59th St. for University of Chicago, 189 West Madison St., $400,000.

Ill., Chicago — OFFICE and STORE — Aug. 13, by Holabird & Root, associated archts., 333 North Michigan Ave., 25 story, basement, 60 x 100 ft., brick, steel, stone, caisson found., 125-135 West Wacker Dr., for J. M. Patterson, 431 North Michigan Ave. $2,000,000. A. N. Rebori, 332 South Michigan Ave., arch. Noted July 5.

Ill., Chicago—SOCIAL SCIENCE—Coolidge & Hodgdon, archts., 134 South La Salle St., soon takes bids 4 story, brick, stone, 59th St. and Ellis Ave., for University of Chicago, 189 West Madison St., $687,000.

Ill., Granite City—CITY HALL—N. S. Spencer & Son, archts., 180 North Michigan Ave., Chicago, bids about Aug. 21, 3 story, brick, stone, for City. $150,000. Noted July 5.

Wis., Milwaukee—GARAGE and STORE—Aug. 13, by M. Tullgren & Sons Co., archts., 9 Waverly Pl., 6 story, basement, 100 x 120 ft., rein.-con., brick, plain found., East Water and Mason Sts., for First Wisconsin Natl. Bank.

Tex., Texas City—WAREHOUSE—Texas City Terminal Co., bids about Aug. 15, superstructure 2 story, 120 x 1160 ft., reinforced steel, corrugated iron, concrete warehouse. $175,000. J. Stewart & Co., Inc., 343 South Dearborn St., Chicago, Ill., engrs.

Okla., Mangum — HOTEL — Aug. 20, by W. J. Jeter, 5 story, basement, 75 x 140 ft., 3rd St., for Mangum Hotel Co. Former bids rejected. $150,000. Layton, Hicks & Forsythe, Braniff Bldg., Oklahoma City, engrs. C. Riggins, Anadarko, engr. Noted June 28.

Wash., Seattle—HOTEL—T. Haire, archt., 533 Henry Bldg., bids about Aug. 23, 10 story, basement, 120 x 128 ft., rein.-con., brick, steel, Boren and Seneca Sts., for One Thousand One Hundred Seven Seneca Corp., 1107 Seneca St. $750,000.

Calif., Los Angeles—BANK and OFFICE —A. Curlett, archt., Union Bank Bldg., taking bids 12 story, basement, 42 x 90 ft., rein.-con., terra cotta, Vine St. and Hollywood Blvd., for S. Kress, et al., c/o architect.

Calif., Sacramento—CLUB—Sutter Club, L. C. Hunter, pres., bids about Sept. 15, 5 story, basement, 100 x 100 ft. rein.-con., terra cotta, marble, 9th and M Sts. $300,000. Dean & Dean, and Starks & Flanders, California Life Bldg., archts.

Calif., San Francisco—HOTEL—See "Contracts Awarded."

Ont., Toronto—CUSTOMS HOUSE—Dpt. P. Wks., Ottawa, take 5 bids in September, 5 story, basement, 238 x 389 ft., rein.-con., stone, steel, plain found., Front St., $2,000. Noted July 19.

Contracts Awarded

Mass., Attleboro—STORE and OFFICE—Eagles Home Building Assn., J. McCabe, chn., 45 4th St., 2 story, basement, 80 x 150 ft., brick, steel, granite, plain found., store, office and auditorium, Bank St., to J. F. Enwright, 245 Milk St., Fitchburg. Est. $150,000.

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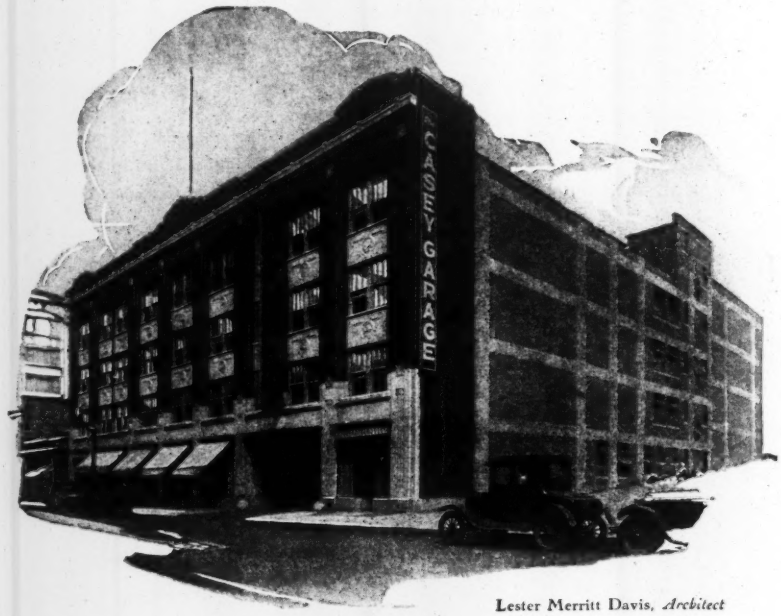
AMERICA NEEDS MORE GARAGES IN HER CITIES

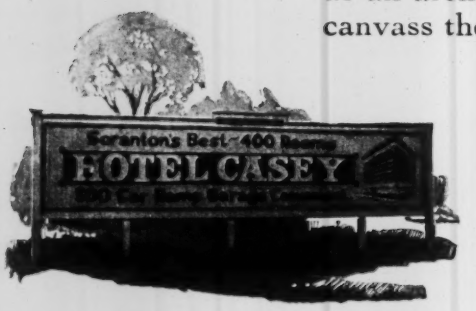
Think of the Hotel and its GARAGE as a Unit



Lester Merritt Davis, *Architect*

"Housing for man and his motor." In these days of motor travel the hotel without garage accommodations is an anomaly. Too often, the garage falls short of measuring up to the standard of service and appointments of its patron hotel. The two should be of unit responsibility—after the pattern of the Statler Hotel and Garage in Buffalo and, here, the Hotel Casey and Casey Garage in Scranton.

Hotel men, everywhere, react to this thought. It is the modern idea. Hotel garages are widely needed. You, as an architect, will find it advantageous to mentally canvass the possibilities of your territory.



There are still a number of architects who should join the 4073 who have asked to be put on our list to receive "Garage Design Data."

Consultation free on all garage matters

RBC-127

GARAGE ENGINEERS
CONSULTANTS—ON PROMOTION AND GARAGE MANAGEMENT

RAMP BUILDINGS CORPORATION

21 East 40th Street New York, N. Y.

Buildings—Commercial (Continued)

Mass., Boston—STORE and OFFICE—A. Lapp, 27 State St., 5 story, basement, brick, limestone, plain found., to N. Hurowitz, 294 Washington St. Est. $150,000. Noted July 26.

Mass., Cambridge (br. Boston)—HOSPITAL—Kendall, Taylor & Co., archts., 142 Berkley St., Boston, 3 and 4 story, basement, irregular sized, brick, plain founds., nurses home, childrens building and private ward building to L. P. Soule & Son Constr. Co., 80 Boylston St., Boston, est. $650,000. Noted July 5.

Mass., Cambridge (br. Boston)—WAREHOUSE—Boston & Maine R.R. Co., Lechmere Sq., 5 story, 50 x 100 ft., rein.-con., steel, to Blome-Sinek & Co., 33 South Clark St., Chicago, Ill.

Mass., Medford (br. Boston)——APARTMENT—P. J. Griffin, 42 Metcalf St., 3 story, basement, irregular sized, brick, stone, plain found., Metcalf St., separate contracts. Private plans.

Conn., Greenwich—THEATER — Lincoln Theatrical Enterprise, Inc., 972 Broad St., Newark, N. J., brick and steel, theatre, Boston Post Rd., to W. J. MacEvoy Constr. Co., 111 Academy St., Newark, N. J. Est. $2,000,000. Noted July 26.

N. Y., Beacon—BANK—Uffinger, Foster & Brookwalter, archts., 211 West 57th St., New York, general contract bank, to J. Lynch, Beacon. Est. $150,000. Noted June 7.

N. Y., Brooklyn—APARTMENT—Carlby Constr. Co., B. H. Sabin, pres., 1122-79th St., 6 story, 50 x 90 ft., brick, timber, 93rd St. and Marine Ave., separate contracts. $150,000. A. Goldberg, 164 Montague Ave., archt.

N. Y., Brooklyn—APARTMENT—Sampson Building Corp., M. Sidran, pres., 1551 Ryder St., 6 story, 75 x 138 ft., brick, timber, Cedar Ave. and Avenue J, separate contracts. $175,000. Prober & Blaufeux, 66 Court St., archts.

N. Y., Glens Falls—OFFICE—Glens Falls Insurance Co., B. W. West, pres., 191 Glen St., 3 story, brick, Bay St., to J. J. Turner & Sons, Edward St., Amsterdam. Est. $500,000. Noted July 12.

N. Y., Jamaica — AMUSEMENT — Van Arch Holding Co., 133-25 Rockaway Blvd., 1 story, 123 x 190 ft. amusement building, Archer Pl. and 144th St., separate contracts. $150,000. J. M. Baker, 9 Jackson Ave., archt.

N. Y., Jamaica — COMMUNITY — D. Levy, archt., 110 E. 42nd St., New York, 4 story community center to Caye Constr. Co., 356 Fulton Ave., Brooklyn, for Jamaica Jewish Center, c/o B. Marvin, Amherst and Flushing Aves. $250,000. Noted June 21.

N. Y., New York—APARTMENT—One Hundred Forty Nine E. 47th St. Corp., 734 Lexington Ave., T. Crimmins, pres., 15 story to G. Richard Davis & Co., 10 E. 41st St. $2,600,000.

N. Y., New York—APARTMENT—Rosan Building Corp., J. Shanski, pres., 379 East 166th St., 6 story, 150 x 308 ft., brick, timber, Riverdale and 230th Sts., separate contracts. $800,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts.

N. J., Belleville—APARTMENT—J. M. King, 28 Malone Ave., 5 story, basement, 90 x 100 ft., brick, steel, plain found., Tappen St. and Floyd Ave., separate contracts. $220,000. Noted May 3.

N. J., Belleville (br. Newark) — HOSPITAL, LAUNDRY and POWER HOUSE —Bd. Freeholders Essex Co., Hall of Records Bldg., general contract 3 story, basement, brick, steel emergency hospital, to F. & C. Haerter, 769 Dewey Ave., West New York, $31,390, altering and addition to power house and laundry building, to Hoppe & Schroeder, 1009 18th Ave., Newark, $29,103; heating to F. P. Farrell, 269 Camden St., Newark, $37,941; plumbing and laundry machinery, to S. F. Wilson, 476 Clinton Ave., Newark, $33,534 and $36,993 respectively. Grand total $139,858. Noted Mar. 22.

N. J., Bogota — APARTMENT — J. De Stefano, 1445 Teaneck Rd., West Englewood, 5 story, basement, 100 x 100 ft., brick, steel, plain found., separate contracts. $150,000. Noted Aug. 2.

N. J., Fairview — STORE and APARTMENT—M. G. Constr. Co., 44 Onchest Terrace, Cliffside, 5 story, basement, 50 x 100 ft., brick, steel, plain found., Morningside Ave. and 9th St., separate contracts. $150,000. Noted Aug. 2.

N. J., Jersey City—APARTMENT and STORE—B and B Constr. Co., Inc., 80 West 24th St., Bayonne, 4 story, basement, 85 x 100 ft., brick, steel, plain found., 124-30 Storms St. $150,000. Separate contracts. M. Kraut, 3010 Hudson County Blvd., archt.

N. J., Jersey City—APARTMENT—Alvin Development Corp., Tiebe Concourse Bldg., 5 story, basement, 100 x 100 ft., brick, steel, plain found. Blvd. and Stevens Ave., seperate contracts. $150,000. Noted Aug. 2.

N. J., Jersey City—APARTMENT—J. Schniper, 79 West 45th St., Bayonne, 4 story, basement, 75 x 120 ft., brick, steel, plain found. 211-13, Arlington Ave., separate contracts. $150,000. Noted July 19.

N. J., Newark—APARTMENT—J. D. Steffano, 535 34th St., Union City, 4 story, basement, 84 x 104 ft., brick, steel, plain found., 493-9 Roselle Ave., separate contracts. $150,000. Noted Aug. 2.

N. J., Orange — APARTMENT — Towne Holding Co., 24 Branford Pl., Newark, 5 story, basement, 50 x 120 ft., brick, steel, plain found., South Center St., separate contracts. $150,000.

N. J., Trenton—OFFICE—State House Comn., general contract 4 story, basement, 200 x 250 ft., steel, concrete, granite, Indiana limestone, to Karno-Smith Co., Broad St. Bank Bldg., $758,910; heating and plumbing, to Trenton Plumbing & Heating Co., 366 South Broad St., $48,848 and $23,484 respectively; electrical work, to Hoffman & Elias, 254 West 31st St., New York, $29,400. Grand total $860,642. Noted Aug. 2.

Md., Baltimore — THEATRE — Fidelity Amusement Co., c/o E. M. Davidove, Equitable Bldg., 1 story, basement, 61 x 157 ft., brick, steel, Gilmore St., to H. W. Podolsky, 217 North Calvert St., $150,000. Noted July 26.

Tenn., Memphis—APARTMENT—W. E. Graves, 988 Peabody St., 3 story, 144 x 294 ft., U shaped, to W. C. Owen, Dermon Bldg., $175,000.

O., Lakewood (br. Cleveland)—APARTMENT—B. Miller, 2009 Riverside Rd., 3 story, basement, 85 x 135 ft., brick, timber, 17539 Madison Ave., to M. Gillen, 3557 East 161st St., Cleveland. Est. $150,000.

Ind., East Chicago—DOCK TERMINAL —U. S. Gypsum Co., 300 West Monroe St., Chicago, Ill., dock terminal to Turner Constr. Co., Graybar Bldg., New York. Est. $4,500,000.

Mich., Detroit — HOTEL, OFFICE and GARAGE—Detroit Biltmore Hotel Co., Hotel Tuller, 35 story hotel, 18 story office, 600 car garage and 300 car bus terminal, all concrete, steel, stone, caisson founds., Grand Circus Park, to Walbridge Aldinger Co., Penobscot Bldg., and Otto Misch Co., 159 East Columbia Ave. Total $25,000,000.

Mich., Detroit—WAREHOUSE—Bromley Properties, Inc., 6531 Russell St., 3 story, basement, 190 x 222 ft., rein.-con., brick, plain found., to R. S. Knapp, Idaho and Fenkell Aves. Est. $225,000. Beecher, Peck & Lewis, lessees.

Ill., Chicago — APARTMENT—Huszagh & Hill, archts., 6 North Michigan Ave., general contract 15 story, basement, 50 x 100 ft., Harper Ave. and 54th St., to Friedman Constr. Co., 105 North Clark St., for Syndicate, c/o contractor.

Ill., Chicago—HOSPITAL—E. H. Levin, 134 North La Salle St., general contract 11 story, basement, 208 x 268 ft., rein.-con., brick, stone, 2951-69 North Clark St., to Callner Constr. Co., 134 North La Salle St. Est. $1,300,000.

Wis., Horicon—WAREHOUSE, FORGE SHOP and ELEVATOR SHAFT — Van Brunt Mfg. Co., 3 story, 96 x 124 ft. brick, timber warehouse, 1 story, 45 x 147 ft., brick, concrete forge shop, 3 story, 20 x 40 ft., brick, timber elevator shaft, to Immell Constr. Co., Fond du Lac.

Wis., Kenosha — CLUB HOUSE — J. M. Hermann, secy. Kenosha Aerie 1055 F. O. E. and Lindl & Schutte, Inc., archts., 82 East Wisconsin Ave., Milwaukee, 2 story, basement, 100 x 102 ft., brick, steel addition, to Ludwig Klemm, 7203 22nd Aves. Noted May 31.

Wis., Menasha—THEATRE—H. D. Werwath, Inc., archts., 1535 Oakland Ave., Milwaukee, 2 story, basement, 67 x 118 ft. theatre, to J. Rezoh, Green Bay, for Owner, c/o J. M. Cobe, 629 Farwell Ave., Milwaukee. Noted July 5.

Minn., Minneapolis—HOSPITAL—State Bd. Administration & Finance, St. Paul, general contract 4 and 5 story, rein.-con., brick, Bedford stone, to E. Bjorkland, 914 Builders Exch. Bldg., St. Paul, $531,624. Noted July 12.

Minn., St. Cloud—WAREHOUSE and SALES—International Harvester Co. of America, L. H. Hinz, mgr., 606 South Michigan Ave., Chicago, Ill., general contract 2 story, basement, rein.-con., brick, Bedford stone, St. Germain St., to A. G. Wahl, St. Cloud. Est. $150,000. Noted July 19.

Kan., Lawrence—HOSPITAL—Memorial Hospital c/o E. M. Watkins, 1500 Louisiana St., general contract 3 story, basement, 37 x 135 ft., rein.-con., brick, stone, to M. J. Green, Manhattan $156,000. Noted May 4.

Neb., Omaha—OFFICE—Baker Estate, c/o Martin Bros., 512 1st Natl. Bank Bldg., 7 story, basement, 66 x 132 ft., rein.-con., brick, stone, to P. Kiewits Sons, 908 Omaha Natl. Bank Bldg. Est. $500,000. Noted June 14.

N. D., Minot—BANK and OFFICE—First National Bank, general contract 4 story, basement, 50 x 147 ft., rein.-con., brick, granite, Kasota stone, to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn. Est. $250,000. Noted July 19.

Mo., St. Louis—APARTMENT—C. Anschuetz, 3503 Sidney St., 10 story, basement, 117 x 250 ft., rein.-con., brick, stone, terra cotta, Grand Blvd. near Magnolia St. to Boaz-Kiel Constr. Co., Ambassador Theatre Bldg. Est. $1,000,000.

Mo., St. Louis—GARAGE—Ferro Realty Co., 3rd and Elm Sts., Cincinnati, O., 8 story, basement, 109 x 130 ft., rein-con., 9th and Chestnut Sts., to Ferro Concrete Constr., 3rd and Elm Sts., Cincinnati, O. Noted June 28.

Mo., St. Louis—GARAGE—Big Four Auto Co., 2218 South Jefferson Ave., general contract, 3 story, basement, 90 x 120 ft., rein-con., brick, terra cotta, 2400 South Jefferson Ave., to A. S. Gimlin Contg. Co., 4921 Washington Ave., Est. $150,000.

Mo., St. Louis — STORE, OFFICE and LODGE—Grand Court Order of Clanthe of Missouri, c/o C. H. Wray, archt., Rialto Bldg., 4 story, basement, rein.-con., brick, stone, terra cotta, Finney Ave. and Sarah St., to A. G. Nolan, c/o site. Est. $300,000.

Tex., Port Arthur—HOTEL—See "Proposed Work."

Ark., Little Rock—JAIL—Pulaski Co., c/o C. P. Newton, judge, 4 and 5 story, basement, 85 x 51 ft., rein.-con., brick, stone, to G. Walker, Capitol Hill Apartments. $158,755. Noted Jan. 26.

Okla., Oklahoma City—OFFICE—F. P. Johnson, c/o Amer. Natl. Bank Bldg., 7 story, 75 x 140 ft., rein.-con. brick top addition, to Campbell-Price, 603½ West Main St., $300,000. Noted Jan. 12.

Okla., Tulsa—STORE and APARTMENT —J. E. Duffy, 1131 East 21st Plain found., 7th and Main Sts., to Smith, Hayden & Reed, Tulsa. Est. $200,000.

Nev., Ely—HOTEL—Nevada Hotel Co., O. Uphall, mgr., 6 story, rein.-con., to H. L. Stevens & Co., 433 California St., San Francisco, Calif., $150,000 or more. Noted Sept. 29.

Calif., Berkeley — APARTMENT — W. Herrod, c/o W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, 4 story, basement, brick, Dwight Way, to J. A. Bryant, 185 Stevenson St., San Francisco, $154,400. Noted Apr. 12.

Calif., Colusa — MAUSOLEUM — Colusa Rural Mausoleum Assn., rein.-con., mission type mausoleum containing 500 crypts, to C. Bryan, Colusa, $150,000.

Calif., Los Angeles—APARTMENT—Ray Investment Co., c/o contractor, part 4 and 5 story, 75 x 140 ft., concrete to W. Allen, 917 Pacific National Bank Bldg., $160,000.

Calif., Los Angeles — DEPARTMENT STORE—Bullocks Dept. Store, 2 story, basement, 150 x 300 ft., brick, concrete, to P. J. Walker Co., W. M. Garland Bldg., $600,000. Noted May 17.

Calif., Los Angeles—STORE — Chapman Bros., 3469 West 6th St., 1 and 2 story, 210 x 310 ft., concrete, 6th St., to S. N. Benjamin, 718 East 16th St., $155,000. Noted Mar. 8.

Calif., Pasadena — APARTMENTS — C. Robinson, two 3 story, basement, stucco, timber, Fremont St., to D. J. Reed, 1489 West Washington St., $150,000.

Calif., Placerville—HIGH SCHOOL—El Dorado Co. High School Dist., 2 story, brick, concrete, to H. Finnigan, 17th St., Sacramento, $144,648.

Calif., San Francisco — HOTEL — Denk, Bowes & Bell Bros., 1317 Hyde St., 6 story, basement, steel, concrete, Hyde St. near Eddy St., day labor, $150,000.

Ont., Brockville — HOTEL — Brockville Hotel Co. Ltd., general contract 6 story, basement, 100 x 107 ft., rein.-con., brick, steel, plain found., King St. E., to C. Holbrook & Sons, 408 Elgin St., Ottawa. Est. $350,000.

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Buildings—Industrial

Proposed Work

Mass., Quincy—FACTORY—L. Grossman & Sons, 130 Grant St., rebuilding 2 story, brick, timber, Granite St., recently destroyed by fire. $40,000. Engineer and architect not selected.

Mass., Wareham—CANNING FACTORY — A. D. Makepeace & Co., Main St., sketches by J. W. Beal Sons Co., 185 Devonshire St., Boston, altering and constructing 1 story, brick addition, plain found., Main St., $40,000.

Conn., Norwich—PLANT—American Thermos Bottle Co., Laurel Hill Ave., soon lets contract brick, steel plant, Laurel Hill Ave. $125,000 Chandler & Palmer, Thayer Bldg., archts. Noted July 26.

N. Y, Brooklyn—SERVICE GARAGE—Rygold Realty Corp., H. Strolowitz, pres., 165 Norfolk St., plans by A. J. Simberg, 1133 Bway., 1 story, 100 x 190 ft., brick, concrete, Banner Ave. and Hubbard St. $80,000.

N. Y., Long Island City—MACARONI PLANT—La Rose & Sons, 9 Wyckoff Ave., Brooklyn, plans by H. J. Munch, 44 Court St., Brooklyn, 6 story, 88 x 158 ft. macaroni manufacturing plant, Cypress Ave. and Trautman St. $275,000.

N. Y., Long Island City—SERVICE GARAGE and SHOW ROOM—Tindall & Lewis, 192 46th St., plans by A. L. Marinelli, 192 46th St., 2 story, 125 x 189 ft., brick, concrete, Sanford Ave. and Haight St. $45,000.

N. Y., New York—GARAGE—L. Held & Son, 810 East 168th St., plans by H. Ginsberg, 222 East 42nd St., 1 story, 57 x 203 ft., brick, concrete, Whitlock and Lowell Sts. $40,000.

N. Y., New York—SERVICE GARAGE —Honora Building Corp., I. D. Mahlman, pres., 1 Union Sq., plans by F. Wolfgong, 535 Tremont Ave., 2 story, 90 x 100 ft., brick, concrete, Waring Ave. and White Plains Rd. $60,000.

N. Y., New York—STORAGE and LOFT —Sofia Bros., Inc., T. Sofia, pres., 1221 Intervale Ave., plans by Lewis & Leonard, 51 East 42nd St., 73 x 99 ft., brick, 4396 Bway. $100,000.

N. Y., Niagara Falls—INDUSTRIAL—S. S. Kresge, Kresge Bldg., Detroit, Mich., plans by H. Holmes, archt. c/o owner, industrial building.

N. J., Newark—GARAGE—Clinton St. Garage, Inc., c/o G. Jones, archt., 24 Commerce St., sketches 6 story, basement, 55 x 120 ft., rein.-con., brick, steel, plain found., 65 Clinton St. $150,000.

N. J., Newark—WAREHOUSE—General Tube Co., c/o S. Cohen, archt., 134 Branford Pl., sketches 4 story, basement, brick, steel, plain found. $150,000.

Pa., Phila. — PACKING PLANT — F. G. Vogt & Sons, 30th and Race Sts., sketches by C. B. Comstock, 110 West 4th St., New York, 3 and 4 story packing plant, 36th St. and Grays Ferry Rd. $150,000.

Pa., Phila. — POWER HOUSE — Philadelphia Heating Corp., E. H. Reuss, Jr., pres., 30th and Race Sts., power house, 10,000 hp., 32nd and Market Sts. P. H. Johnson, Weidener Bldg., engr.

N. C., Albemarle—LUMBER PLANT—Stanly Lumber Co., c/o C. C. Morton, D. J. Hatley and others, purchased plant of E. E. Snuggs lumber plant, plans enlarging same. $50,000.

N. C., Burnsville — PLANT—Pollard Cyanite Co., J. A. Pollard, mgr., plans new plant 1,000 tons of rock per day near here. $1,000,000.

N. C., Charlotte — MILL — Hudson Silk Hosiery Co., mill. $60,000.

N. C., Durham—WAREHOUSE—Owner, c/o H. T. Roycroft, Durham, large tobacco warehouse.

N. C., Greensboro—SILK THROWING MILL—Meyer & Grobart, Paterson, N. J., plans by H. Barton, Greensboro, silk throwing mill, Oakland Ave. and Bruce St. $140,000. Richardson Realty Co., Inc., Greensboro, interested.

N. C., High Point—HOSIERY PLANT—Triangle Hosiery Co., hosiery manufacturing plant, $125,000. W. C. and E. H. Covington, High Point, are interested.

N. C., Rocky Mount—POWER PLANT—City soon lets contract enlarging power plant. W. C. Olsen & Co., Raleigh Building & Loan Bldg., Raleigh, engr.

O., Cleveland — FURNACE BUILDING and BOILER HOUSE — Otis Steel Co., c/o J. D. Campbell, 3341 Jenings Rd., 43 x 190 ft. furnace, 36 x 40 ft. boiler house, both 1 story, structural steel, corrugated iron, 3341 Clark Ave. $50,000. Private plans.

O., Shelby—LIGHT PLANT—City, plans new generator equipment, addition to cipal light plant. $50,000.

Ind., Anderson—GAS HOLDER—Central Indiana Gas Co., H. W. Thornburg, mgr., new 200,000 ft. gas holder, plant improvements, South Pearl St. and Belt R.R. $250,000.

Ind., Summitville — FACTORY — Kraft Cheese Co., cheese factory.

Mich., Detroit—FACTORY and BOILER HOUSE—C. W. Brandt, archt., 2111 Woodward Ave., soon lets contract 1 and 2 story, 115 x 200 ft., brick, concrete, Hamilton Ave., for Detroit Casket Co., c/o architect. $50,000.

Mich., Flint—BODY FACTORY—Fisher Body Corp. plans by A. Kahn, 1000 Marquette Bldg., Detroit, 2 story, 200 x 242 ft., rein.-con., brick addition, plain found.

Mich., Pontiac — FOUNDRY — Pontiac Pattern & Eng. Co., plans by R. O. Derrick, 707 Pontiac Bank Bldg., 1 and 2 story, basement, 75 x 80 ft., rein.-con., brick, steel addition, plain found., Sanford St. $40,000.

Ill., Chicago — FACTORY — Columbia Mills, Minett, N. Y., plans by Lockwood-Greene & Co., 400 North Michigan Ave., 1 and 3 story, 121 Peoria St. $200,000.

Mo., St. Louis—PACKING PLANT—Swift & Co., Union Stock Yards, Chicago, Ill., soon takes bids 6 story, basement, 120 x 133 ft., rein.-con., brick addition, Vandeventer St. $600,000. Private plans.

Tex., Kirbyville—COTTON GIN—West End Gin Co. cotton gin, West End. $40,000. Private plans.

Tex., Olney—POWER PLANT—Louisiana Power Co., Ft. Worth Club Bldg., Ft. Worth, soon takes bids power plant. $100,000.

Tex., San Angelo—CREAMERY—Snowhite Creameries, c/o H. C. Vandervort, genl. mgr., 2 story, creamery plant. $200,000. Private plans.

Okla., Durant—PEANUT FACTORY—R. W. Higginbotham, sketches peanut factory. $60,000. Private plans.

Okla., Hollis—COTTON COMPRESS—W. I. Giles cotton compress. $80,000. Private plans.

Okla., Luther—LIGHT PLANT—J. C. Harrison, Stroud, sketches 300 hp. electric light plant, distribution system. $45,000. Private plans.

Okla., Oklahoma City—MILL—Superior Feed Mills 2126 West Ash St., feed mill, G St. $100,000. Prviate plans. E. D. Beattie, mgr.

Calif., Culver City — DISTRIBUTING PLANT—Adohr Creamery Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., Los Angeles, 1 story, 90 x 195 ft., with 55 x 125 ft. extensions, brick, concrete distributing plant.

Calif., Los Angeles — GARAGE — Van Nuys Building Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., 3 story, basement, 60 x 155 ft., rein.-con., steel, South Spring St.

Calif., West Sacramento—MILL—Capital Rice Mills, N. B. Morse, supt., rebuilding 4 story, 60 x 100 ft., rein.-con., corrugated iron wings housing rice milling machinery, recently destroyed by fire.

Ont., Petrolia — REFINERY — Superior Sugars, Ltd., beet sugar refinery. $1,000,000. F. G. Potter, c/o owner, engr.

Bids Desired

Conn., Danbury — FACTORY — Danbury Industrial Corp., c/o J. E. Pike, Danbury, taking bids 1 story, 65 x 200 ft., brick, steel, Shelter Rock Rd. $60,000. Sunderland & Watson, 248 Main St., archt. Noted July 5.

N. Y., Brooklyn—SERVICE GARAGE—Dalson Realty Corp., H. Levine, pres., 186 Remsen St., taking sub-bids 90 x 198 ft., service garage, East New York and Troy Aves. $85,000. C. Goodman, 375 Fulton St., archt.

N. Y., New York—MANUFACTURING, LOFT and STORE—Eighth Avenue Building Co., 1133 Bway., taking sub-bids, manufacturing, loft and store building, 709 8th Ave. $100,000. Greenberg Leuchtag, 1385 Bway., archts.

N. Y., Queens (Ind br. Jamaica)—BAKERY—H. Holder, archt., 242 Franklin Ave., Brooklyn, taking bids 2 story bakery, 222nd St. and 99th Ave., for Dugan Bros., 288 South 5th St., Brooklyn. $500,000.

N. J., Beachhaven—ELECTRIC PLANT —Bd. Boro Council bids about Aug. 15, 1 story, basement, brick, steel, plain found. $50,000. W. H. Boardman, 426 Walnut St., Phila., Pa., archt. Noted July 19.

N. J., Hohokus—DAIRY — Saddlebrook Farm, S. Thomas, pres., taking bids two 1 story, 36 x 70 ft., and 40 x 80 ft., brick, steel buildings, plain founds. $40,000.

Md., Baltimore—PLANT—Aug. 14, by Chesapeake Paperboard Co., Key Highway and Baltimore and Ohio R.R., 2 story, 80 x 180 ft., concrete, brick, steel addition, concrete found., Key Highway and Baltimore and Ohio R.R. $200,000. K. A. Lefren, 171 Madison Ave., New York, engr.

Md., Baltimore—OIL DISTRIBUTING PLANT—See "Contracts Awarded."

D. C., Wash.—GARAGE—A. S. J. Atkinson, archt., 3801 Macomb St., N. W., takes bids about Aug. 25, public garage, Northwest section, $100,000. Owner, c/o archt.

La., New Orleans—FACTORY—Aug. 26, by Theard & Mathews, archts., Balter Bldg., 1 story, 131 x 180 ft., rein.-con., brick, 22,000 sq.ft. floor space, Cortez St., for Tobias Bag Co. $40,000.

O., Canton—SERVICE STATION—Putnam Lubrication Service, Inc., bids about Aug. 30, 2 story, 66 x 200 ft., tile, stucco, McKinley Ave. N. W. $40,000. C. E. Firestone, Renkert Bldg., engr.

O., Kent—POWER HOUSE and TUNNEL—Aug. 31, by W. A. Cluff, chn., Bd. Trustees, State Normal College, remodeling power house and building new stack, campus, $35,000—building 700 ft. 6 x 6½ ft. tunnel to carry steam and electric lines, etc. $35,000. Ronan & Englesson, 1694 North High St., Columbus, archts.

Mich., Detroit — FACTORY — A. Kahn, archt., 1000 Marquette Bldg., bids about Aug. 15, 6 story, basement, 225 x 239 ft., rein.-con., brick, steel, plain found., Jos. Compau Ave., for Park Davis & Co., 2951 Atwater St.

Wash., Seattle — SUBSTATION and OFFICE—City Light Dpt., J. D. Ross, supt., bids about Aug. 15, 2 story, basement concrete, steel, terra cotta sub-station to cover 3 blocks, 3rd and Madison Sts. $500,000. A. H. Albertson, Henry Bldg., archt. Noted July 5.

Ont., Oakville—FACTORY—Aug. 16, by E. Bamber, Kerr St., 1 story, 60 x 300 ft., concrete, brick, steel, $50,000, for General Metal Devices, Ltd., Kerr St. R. Card, 142 Chester St., Toronto, archt.

Contracts Awarded

Me., Auburn—FOUNDRY—Androscoggin Fdry., L. MacFadden, supt., 31 Washington St., 1 story, brick, steel, plain found., to J. A. Greenleaf & Sons Co., Auburn.

Mass., Baldwinsville — MILL — A. L. Adams Paper Co., 2 story, 80 x 200 ft., rein.-con., plain found., to Fiske-Carter Constr. Co., 11 Foster St., Worcester, to exceed $40,000. Noted June 21.

Mass., Everett—SERVICE and REPAIR GARAGE — Metropolitan Assn. Trust, 1 story, 85 x 160 ft., brick, steel, plain found., Clinton and Chelsea Sts., to W. M. Bailey Co., 88 Broad St., Boston. Est. $40,000.

Conn., Hartford—POWER PLANT—Underwood-Elliott-Fisher Co., Capital Ave., general contract brick, steel, concrete power plant, to Aberthaw Constr. Co., 80 Federal St., Boston, Mass. Est. $300,000. Noted June 21.

Conn., Norwalk—PLANT—Sunfast Hats, Inc., 3 story, 200 x 300 ft., brick, steel, rein.-con., Rowan St., to Hewlett Co., 886 Main St., Bridgeport. Est. $500,000. Noted July 26.

N. Y., Brooklyn—SERVICE GARAGE—Brooklyn Parking Terminal, J. V. Coyle, pres., 250 Park Ave., New York, 6 story, 101 x 220 ft., brick to C. L. Fraser, 50 Broadway. $300,000. Noted July 12.

N. Y., Buffalo—INDUSTRIAL — Buffalo Cold Storage Co., 78 Perry St., 4 story 5 x 50 ft., brick, steel, 101 Columbia St. to Hydro Constr. Co., Mutual Life Bldg. $60,000.

N. Y., Buffalo—FACTORY—H.-O Co., Genesee Bldg., general contract 6 story, 72 x 80 ft., rein.-con. warehouse, Perry St., to Turner Constr. Co., 11 Goodell St., $100,000.

N. Y., Fulton—FACTORY—Oswego Falls Corp., publishing plant, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $100,000.

N. Y., Long Island City—FACTORY—Rug Renovating Co., 90 Ridge St., 102 x 147 ft. rug renovating factory, Ridge Ave.

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Buildings—Industrial (Continued)

and Ivy St., to C. Curtis Woodruff, 213 10th St. Est. $40,000. Noted July 19.

N. Y., New York—MANUFACTURING and LOFT—Estate of W. DeForest Muncie, c/o Clinton & Russell, archts., 17 John St., 24 story manufacturing plant and loft, to G. Richland Davis, 10 East 41st St. Est. $1,200,000.

N. Y., White Plains—FACTORY—Cushman Sons, Inc., J. Bunsch in charge, 1819 Bway., New York, factory, Westmoreland Ave., to Johnson & Miller, Bway., Yonkers.

N. J., Newark—FACTORY—J. Lichtman & Sons, 241 Frelinghuysen Ave., general contract 4 story, basement, 178 x 218 ft., rein.-con., brick, steel, plain found., 306—36 Sherman Ave. and Concord St., to S. Scrimshaw & Co., 526 Elm St., Arlington. Est. $350,000. Noted June 28. Waitt & Bond., Inc., 25 Wickliffe St., lessee.

N. J., Newark—FACTORY—L. Richtman, & Sons, 241 Frelinghuysen Ave., factory, Sherman and Concord Sts., to S. Schrimshaw, 526 Elm St., Arlington. Est. $500,000.

N. J., Newark—RADIO TUBE FACTORY Sonatron Tube Co. (Radio Tube Corp.), 88 8th Ave., general contract 4 story, basement, 45 x 120 ft., brick, steel, plain found., 57-9 State St., to Drill Constr. Co., 889 Broad St. Est. $60,000. Noted July 26.

N. J., New Brunswick — CHOCOLATE FACTORY—Reichard Cocoa & Chocolate Co., 50 Broad St., New York, 3 story, basement, 60 x 200 ft., rein.-con., brick, plain found., Jersey Ave., to Industrial Eng. Co., 50 Church St., New York. Est. $200,000. Noted June 7.

N. J., Trenton — FACTORY — W. & J. Sloane, 5th Ave. and 47th St., New York City, general contract 2 story, 42 x 190 ft., brick, steel, plain found., to Karno-Smith Constr. Co., Broad Street Bank Bldg. Est. $75,000.

Md., Baltimore—OIL DISTRIBUTING PLANT—Tidewater Oil Co., 11 Bway., New York, oil distributing plant, day labor. $500,000. Private plans.

Md., Baltimore—FACTORY—B. Frank, archt., 517 Charles St., 1 story, 52 x 300 ft., brick, steel, to J. L. Robinson Constr. Co., 522 Park Ave., for Union Bros., 37 West Cross St. Noted July 12.

W. Va., Newell—KILN SHED—Homer Laughlin China Co., Newell, two 20 x 30 ft., continuous kilns, to Harrop Ceramic Serv. Co., 310 West Broad St., Columbus, O. Est. $150,000.

N. C., Lexington—GAS PLANT—Lexington-Thomasville Gas Co., N. H. Gellert, pres., large gas plant, mains, to Atlantic Constr. & Eng. Co., Phila., Pa. Est. $175,000. Noted July 12.

Ga., Cordele — HYDRO - ELECTRIC PLANT—Hydro-Electric Power Co. Comrs. Crisp Co., Courthouse, power plant and dam for hydro-electric plant to L. E. Myers Constr. Co., 53 West Jackson Blvd., Chicago, Ill., and S. J. Groves & Son, Cordele, $777,687; hydraulic machinery and equipment to Newport News Shipbuilding & Dry Docks Co., Newport News, Va., $99,200; electrical work to General Electric Co., River Rd., Schenectady, N. Y., $102,500. Noted May 17.

Ala., Tuscaloosa — POWER PLANT — Gulf States Service Co., power plant on Black Warrior River, incl. 7,500 kw. steam turbine and three 1,000 hp. boilers, to United Engineers & Constructors, Inc., Broad and Arch Sts., Phila., Pa. $1,000,000.

Miss., Biloxi — ICE PLANT — Antioch Packing Co., 45 x 100 ft., and 35 x 80 ft. brick, concrete to Manuel & Wetzel, Biloxi. Est. $65,000.

Miss., Jackson—FACTORY—N. and W. Overall Co., Lynchburg, Va., general contract 4 story, rein.-con., brick, to Wetmore Constr. Co., Jackson, $44,474. Noted July 12.

La., New Orleans — DISTRIBUTING DEPOT—Chevrolet Motor Corp., 3044 West Grand Blvd., Detroit, Mich., 2 story, 150 x 250 ft., pile found., Jefferson Davis Parkway, to Gervais Favrot, Balter Bldg. Est. $150,000.

O., Cleveland — BAKERY — G. S. Rider Co., archts., Century Bldg., 3 story, basement, 75 x 150 ft., rein.-con. addition, to H. E. Klefman Co., 2844 Lorain Ave., for Spang Baking Co., 2701 Barber Ave. Est. $150,000. Noted Apr. 12.

O., Cleveland—FACTORY—Ferro Enameling Co., C. M. Horn, secy., B. F. Keith Bldg., 2 story, basement, 54 x 66 ft., steel addition, 4156 East 56th St., to P. Kirschner Co., 2725 Pittsburgh Ave. Est. $40,000.

O., Cleveland—FACTORY and BOILER HOUSE—Eaton Axle & Spring Co., East 65th St. and Central Ave., 121 x 343 ft. factory, 35 x 62 ft. boiler house, both 1 story, brick, steel, 739 East 140th St., to Dresser Co., Superior Arcade. Est. $150,000.

O., Cleveland—FACTORY—Grabler Mfg. Co., M. C. Rosenfeld, vice pres., 6565 Bway., 1 story, 35 x 80 ft. brick, addition, to S. W. Emerson Co., 1836 Euclid Ave., Est, $40,000. Noted Aug. 2.

O., Cleveland — FACTORY — Triplex Screw Co., A. F. Weber, prop., 6112 Central Ave., 1 story, 40 x 120 ft., brick, steel, 6112 Central Ave., to J. L. Hunting Co., Guarantee Bldg. Est. $40,000. Noted July 12.

O., Cleveland — MACHINE SHOP—Ohio Crank Shaft Co., 6600 Clement Ave., 1 story, 80 x 140 ft., brick, steel, 6502 Clement Ave., to J. L. Hunting Co., Guarantee Title Bldg. Est. $50,000.

O., Cleveland—FACTORY—Willard Storage Battery Co., R. C. Norberg, vice pres. and genl. mgr., 246 East 131st St., 1 story, 64 x 212 ft., brick, steel, 246 East 131st St., to S. W. Emerson Co., 1836 Euclid Ave. Est. $75,000. Noted Aug. 2.

Mich., Detroit—FLOUR MILL—Commercial Milling Co., 203 Randolph St., 5 story, 46 x 92 ft. steel, concrete top addition, Randolph St., to Foundation Co. of Pittsburgh, Fulton Bldg., Pittsburgh, Pa. Est. $225,000.

Mich., Flint — FACTORY — Chevrolet Motor Car Co., 1 story, 26 x 200 ft., brick, steel, concrete addition, Chevrolet Ave., to W. E. Wood Co., 1805 Ford Bldg., Detroit. Est. $50,000. Steam heating, roofing and electric motors.

Ill., Chicago—FACTORY—Tower Products Co., 330 North Ashland Ave., general contract 2 story, 25 x 115 ft., timber, 1500 Austin St., to G. Cook, Oak Manor Hotel, Oak Park.

Ill., Chicago—PLANT—Miehle Printing Press Mfg. Co., 14th and Damen Ave., masonry and carpentry contract 5 story, 200 x 263 ft., brick, 1332-58 Damen St., to J. W. Synder Co., 307 North Michigan Ave. Est. $450,000.

Ill., Chicago—PRINTING PLANT—F. Chase, Inc., archt., 720 North Michigan Ave., masonry contract 1 story, 250 x 480 ft., 312 x 500 ft., to L. Balkin, 1850 West Austin Ave., for R. O. Law Printing Co. Est. $250,000. Noted July 12.

Wis., Milwaukee — COLD STORAGE WAREHOUS7 — Wisconsin Cold Storage Co., 178-88 Florida St., 8 story, basement, 54 x 96 ft., brick, tile, concrete, steel, Florida St., to H. Schmitt & Son, 14 Burleigh St. Noted July 19.

Wis., Milwaukee—FACTORY—Milwaukee Mill Supply Co., 1369-31st St., 2 story, 50 x 100 ft., brick, plain found., South Pierce St., to W. W. Koch, 1111 2nd St.

Ia., Cedar Rapids—MILL and STORAGE — Quaker Oat Co., 80 East Jackson Blvd., 11 story, basement, 85 x 113 ft., rein.-con., to Leonard Constr. Co., 37 West Wabash Ave. Est. $275,000.

Neb., Lincoln — BOILER HOUSE — See "Buildings—Educational, Religious."

Mo., Carthage—AMMONIA OXIDATION PLANT—Hercules Powder Co. sulphuric concentrating plant, to Chemical Constr. Co., 50 East 42nd St., New York. Est. $300,000.

Mo., Leeds — AUTOMOBILE PLANT — General Motors Co., General Motors Bldg., Detroit, Mich., general contract 300 x 763 ft., assembling plant, 120 x 280 ft., Fisher Body building, 40 x 221 ft. shed, 46 x 70 ft. office building, all 1 story, and 40 x 262 ft. loading shed, all brick, concrete, steel, to S. Patti Constr. Co., 626 Lee Bldg., Kansas City. Est. $2,500,000. Noted May 31.

Tex., Galveston—WAREHOUSE—South Texas Compress Co., 4520 Ave. F. addition to warehouse, 48th St., incl. monitor type, metal clad walls with concrete dividing fire walls, automatic sprinklers, 100,000 gal. capacity elevated tank, to W. M. Roitsch, 3720 Ave. Q, $75,000.

Tex., Houston — WAREHOUSE — A. Sprunt & Son, Cotton Exchange Bldg., 2 story, 175 x 250 ft., brick, Ship Channel, to Southwestern Constr. Co., West Bldg., $103,800.

Calif., Petaluma — PACKING PLANT — Poultry Producers of California, 700 Front St., San Francisco, 1 story, rein.-con., to S. J. Weeks, 331 El Dorado St., Vallejo, $45,000.

Buildings—Educational, Religious

Proposed Work

Mass., Auburn—SCHOOLS—F. A. Allen, chn. Bd. Selectmen, revised plans by Peare & Dorman, 6 Beacon St., Boston, two 2 story, basement, brick, stone, plain founds., Elm Hill and Auburn Centre Dists. $150,000 or more. Former bids rejected. Noted July 12.

Mass., Barnstable—HIGH SCHOOL—Town, S. F. Scudder, chn. Building Com., sketches by C. G. Loring, 7 Water St., Boston, 2 story, basement, brick addition, plain found. $210,000. Noted Mar. 1.

Mass., Cambridge (br. Boston)—SCHOOL—City, Bd. Educ. sketches by C. R. Greco, 11 Beacon St., Boston, Mass., altering and constructing 3 story, basement, 20 room, brick addition to Roberts School. $650,000.

Mass., Danvers—NURSES HOME—c/o Dept. Mental Diseases, State House, Boston, soon takes bids 3 story, basement, brick, rein.-con., plain found., at State Hospital. $150,000. G. Robb, 14 Beacon St., Boston, archt. Noted May 3.

Mass., Everett (br. Boston)—SCHOOLS—City, J. A. Roche, mayor, City Hall, altering and constructing 2 story, basement, brick, stone additions to Hamilton School, Nichols St.; and Lafayette School, Shute St. $150,000. Engineer and architect not selected.

Mass., Sterling—HIGH SCHOOL—Town, A. Hill, chn., com., Junior High School, brick, steel, Princeton Rd. $150,000. Engineer and architect not selected.

Conn., Hartford — SCHOOL — Northeast School Dist., W. G. Camp, chn., school, Hampton St. and Tower Ave. To exceed $150,000. Engineer and architect not selected.

Conn., Westport—SCHOOL—Town, M. R. Lefler, supt., plans by W. B. Tubby, 475 5th Ave., New York, brick, steel addition to Bedford School. $150,000.

N. Y., Amenia — HIGH SCHOOL — Bd. Educ. soon lets general contract 2 story, basement, brick, steel, plain found. $150,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted Mar. 1.

N. Y., Hempstead—SCHOOL—Bd. Educ., Boro Hall, plans by E. Sibley, Bluff Rd., Palisade, N. J., 3 story, basement, brick, steel, plain found., William St. and Jerusalem Ave. $150,000. Noted July 5.

N. Y., Long Island City—Y.M.C.A., plans brick, steel, Y.M.C.A., Crescent, 24th and 41st Sts. $1,500,000. Engineer and architect not selected. Noted Feb. 25, 1926.

N. Y., Oneonta — COLLEGE — Hartwick College, 3 story college, to Williamson Co., 357 East 5th St., Elmira. Est. $250,000. Noted July 19.

N. J., Bloomfield — TEMPLE and SCHOOL—Temple Bnai Zion, c/o. Brach & Singer, archts., 60 Park Pl., Newark, 2 story, basement, brick, steel, plain found., 430 Franklin Ave. $150,000.

N. J., Boonton—SCHOOL—Bd. Educ., F. McMahon, Sherman St., soon lets contract, 2 story, school, Maple and Lathrop Sts. $160,000. Hacker & Hacker, Main St., Ft. Lee, archts. Moray & Waller, 101 Park Ave., New York City, engrs.

N. J., Fort Lee — SCHOOL — Madonna Parochial School, J. Cocoran, pastor, Jones Rd., 2 story, basement, 137 x 165 ft., brick, steel, plain found., Whiteman and Hoynn Sts. $150,000. Noted July 19.

N. J., Jersey City—CHURCH, PARSONAGE and PARISH HALL—Christ Evangelical Church, L. House, pastor, 179 Woodward Ave., plans by W. Neumann, 40 Journal Sq., 1 story, basement, brick, steel, field stone, plain found. Communipaw Ave. and Woodward St. $150,000. Noted July 19.

N. J., Little Ferry—SCHOOL—Bd. Educ., J. Cronin, pres., Main St., plans by Hacker & Hacker, 201 Main St., Hackensack, 2 story, basement, brick, steel addition, plain found. $150,000. Noted Dec. 29.

N. J., Newark—CHURCH and OFFICE—Newark Dist. Church Society, A. D. Ball, pastor 146 Prospect St., East Orange, plans by Starrett, & Van Vleck, 393-7th Ave., New York, 25 story, brick, stone, church and offices, $3,500,000. Noted Mar. 8.

N. J., North Haledon (mail Paterson)—ORPHANGE—Sisters Order, Daughter of

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Buildings—Educational, Religious (Cont.)

Mary Help of Christian, 41 Ward St., Paterson, revised plans by J. Bellomo, 6 Park Ave., Paterson, 2 story, basement, 60 x 125 ft., brick, steel, plain found., Belmont Ave. $150,000. Noted July 5.

N. J., Passaic—COMMUNITY CENTRE—Ahavas Israel, 171 Howard St., plans by Preiskel & Skvarla, 2 Lexington Ave., 5 story, basement, 100 x 150 ft., brick, steel, plain found., 181 Van Houten Ave. $150,000. Noted Aug. 2.

La., Mansura — SCHOOL — Avoyelles School Bd., plans by W. T. Nolan, Canal Bank Bldg., New Orleans, 2 story, rein.-con., brick, stone, steel school. $150,000.

La., New Orleans—SCHOOL—Orleans School Bd., City Hall, plans by E. A. Christy, City Hall, 3 story, rein.-con., brick, stone, Spain St. $200,000.

O., Cleveland — SCHOOL — St. Thomas Aquines Church, T. F. Mahon, pastor, 1230 Ansol Rd., plans by W. C. Jansen, 1227 Prospect Ave., 2 story, basement, brick, steel, rein.-con., Ansel Rd. $250,000.

O., Wooster — DORMITORY — Wooster College, C. F. Wishart, in charge, sketches by D. A. Waide, 1 Madison Ave., New York, brick, $250,000.

Ind., Indianapolis—GYMNASIUM—Butler University bids in September, general contract gymnasium, Fairview Park. $150,000. T. Hibbern, 551 5th Ave., New York, N. Y., archt.

Mich., Kalamazoo—ACADEMY—Sisters of St. Joseph Nazarath Academy, plans by D. A. Bohlen & Son, 1001 Majestic Bldg., Indianapolis, Ind., 4 story, basement, 60 x 300 ft., rein.-con., brick, plain found. $400,000.

Mich., Northville—GYMNASIUM—Wayne County Training School, plans by A. H. Gould & Son, Empire Bldg., Detroit, 3 story, 110 x 180 ft., rein.-con., brick, steel gymnasium, incl. swimming pool, plain found. $150,000.

Ill., Chicago — LABORATORY — University of Chicago, 189 West Madison St., plans by Perkins, Chatten & Hammond, 160 North La Salle St., laboratory, 13 greenhouses on 115 x 350 ft. site, Ingles Ave., near 56th St. $350,000.

Ill., Park Ridge—SCHOOL—Bd. Educ. plans by Perkins, Chatten & Hammond, 160 North La Salle St., Chicago, 2 story basement, brick. $400,000.

Ia., Waterloo — CHURCH—Westminster Presbyterian Congregation, W. P. McCormick, pastor, sketches church, 708 West 4th St. $200,000.

Minn., Minneapolis—CHURCH and COMMUNITY—A. B. Boyer, archt., 878 Arcade Bldg., St. Louis, Mo., soon lets contract 12 story, basement, 57 x 110 ft., rein.-con. or steel, brick, terra cotta, stone, for Wesley Church Corporation, c/o A. H. Maas., pres., 501 Palace Bldg. $700,000. Vapor steam heating, etc.

Kan., Topeka — HIGH SCHOOL—Bd. Educ. plans by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., Junior High School, $160,000.

N. D., Minot—HIGH SCHOOL—Bd. Educ. plans by Bugenhagen & Molander, 305 Union Natl. Bank Bldg., 3 story, 61 x 200 ft., rein.-con., steel, brick, stone, plain found. $200,000.

Mo., Kansas City — CITADEL — Owner, c/o Henrici-Lowry Eng. Co., archts. and engrs., 402 Security Bldg., plans Salvation Army Citadel, 3 story, basement, rein.-con., brick. $150,000.

Mo., Macon—SCHOOL—Bd. Educ. 2 story, basement school. $150,000.

Mo., St. Louis—HOSPITAL—Washington University School of Medicine, 602 South Euclid Ave., bids in fall, Ear, Eye, Nose & Throat Hospital, 9 story, basement, rein.-con., brick, stone. $2,000,000 or more. Jamieson & Spearl, 1116 Arcade Bldg., archts. Noted Apr. 26.

Mo., St. Louis—RADIOLOGY—Washington University, Skinker and Forsythe Blvds., bids in fall 4 story, basement, rein.-con., brick, stone radiology building. $1,000,000. Jamieson & Spearl, 1116 Arcade Bldg., archts.

Ark., Jonesboro—CONVENT—Order of St. Benedict, c/o St. Bernard's Hospital, soon lets contract 4 story, 50 x 135 ft., and 40 x 43 ft., rein.-con., brick, steel, hollow tile, cut stone convent. $150,000. H. J. Kramer, Goodwyn Institute Building, Memphis, Tenn., archt.

Tex., Houston—CHURCH and SUNDAY SCHOOL—Second Baptist Church, soon lets contract 3 story, 65 x 115 ft., McGowen St. $150,000. J. R. Bailey, 1606 Main St., archt. Noted June 7.

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Calif., Long Beach—HIGH SCHOOL—Long Beach School Dist. plans by W. H. Austin, Pacific Southwest Bldg., 2 story, brick, concrete, $150,000.

Calif., San Francisco — SCHOOL — City and San Francisco Co. plans by Ashley, Evers & Hays, 525 Market St., 12 classroom, fireproof, Geary, Cook and Blake Sts. $150,000.

Calif., San Francisco—SCHOOL—City and San Francisco Co., plans by Reid Bros., 105 Montgomery St., 2 story, rein.-con., Divisadero St. $150,000 or more.

Ont., Toronto — HIGH SCHOOL — Bd. Educ., 155 College St., plans by C. Dyson, 155 College St., 2 or 3 story, basement, brick, rein.-con., steel, plain found., in North Toronto, $250,000.

Bids Desired

Vt., Bennington—SCHOOL—Sacred Heart Parish, J. A. Campean, pastor, taking bids 2 story, basement, 90 x 120 ft., brick, steel school and auditorium, $150,000. J. P. Heffernan, 175 High St., Boston, Mass., archt. Noted May 17.

Mass., Belchertown—SCHOOL, DORMITORY, etc.—Aug. 16, by Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, 2 and 3 story, basement, schoolhouse and dormitory and gymnasium, brick, plain found. $150,000 or more. Kendall, Taylor & Co., 142 Berkley St., Boston, archts.

Mass., Dorchester (sta. Boston) — SCHOOL—Dorchester & Mattapan Hebrew School, M. E. Schneider, pres., 26 Pemberton Sq., Boston, taking bids 3 story, basement, 170 x 180 ft., brick, stone, plain found. Morton St. To exceed $150,000. Eisenberg & Feer, 46 Cornhill, Boston, archts. Formerly contract rescinded. Noted Apr. 19.

Mass., West Roxbury (sta. Boston)—CHURCH—Holy Name Paris, W. P. McNamara, pastor, 1689 Centre St., taking bids 1 story, basement, brick and stone, plain found., 1689 Centre St. $150,000 or more. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted July 19.

Mass., Winchester—CHURCH and PARISH HOUSE—Aug. 15 (extended date), by G. S. Newton, archt., 6 Beacon St., Boston, 2 story, basement, 110 x 170 ft., granite, plain found., church and parish house, Washington and Mt. Vernon Sts., for First Baptist Church, B. F. Brown, chn. building comn. $150,000. Noted June 28.

Conn., Branford—HIGH SCHOOL—Aug. 15 by Town School Bd., 2 story, basement 57 x 170 ft. and 57 x 58 ft., brick, steel, high school $240,000. R. W. Foote, 185 Church St., New Haven, archt. Noted May 24.

N. Y., Brooklyn—HIGH SCHOOL—Aug. 21, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St. general contract P. S. 227, (Edward B. Shallow Junior High School) on 16th Ave. and 65th and 66th Sts. for Bd. Educ., 500 Park Ave., New York.

N. Y., Mount Kisco — CHURCH and PARISH HOUSE—B. Goodhue Associates, archts., 2 West 49th St., New York, bids after Aug. 15, church, for St. Marks Church, 252 East Main St. $225,000. Noted July 19.

N. J., New Milford—HIGH SCHOOL—Bd. Educ. Boro Hall, takes bids general contract about Aug. 15, 2 story, basement, brick, steel, plain found. $375,000. E. Sibley, Bluff Rd., Palisades, archt. Ventilating, boilers, artifical stone, natural stone, face brick, metal lath, flooring, roofing, etc. Noted May 3.

N. J., Newark—VOCATIONAL SCHOOL—Aug. 28, by Essex Bd. Vocational Educ., Hall of Records Bldg., 2 story, basement, 195 x 245 ft., rein.-con., brick, steel, plain found., North 13th St. $727,200. Noted July 19.

N. J., Passaic—CONVENT, RECTORY, SCHOOL and AUDITORIUM—Church of Assumption of The Blessed Virgin Mary, J. Rubacky, pastor, 128-2nd St., Passaic, bids about Oct. 1, general contract 1, 2 and 3 story, basement, brick, steel, plain found., 1st, 2nd, Monroe and Hudson Sts. $500,000. Fanning & Shaw, 49 Ward St., Paterson, archts. Noted May 17.

N. J., Tenafly — SCHOOL — Bd. Educ., Boro Hall, bids about Aug. 15, 2 story, basement, brick, steel, plain found. Magnolia Ave., $250,000. E. Sibley, Bluff Rd., Palisade, archt.

Pa., Allentown—DORMITORY—Aug. 15, by Jacoby & Everett, archts., Commonwealth Bldg., 3 story, basement, sub-basement, 118 x 248 ft., and 37 x 63 ft., rein.-con., brick, steel, plain found., on campus, for Cedar Crest College.

Pa., Monessen—SCHOOL—School Bd. of School Dist. of Monesson, takes bids about Aug. 9, 2 story, basement, 64 x 126 ft., brick, steel school. $150,000. H. E. Clark, Monesson, archt. Gypsum roofing, etc.

D. C., Wash.—SCHOOL—Aug. 15, by Dist. Columbia, Langoon School, general contract, $275,000. A. L. Harris, municipal archt.

O., Kent—TRAINING SCHOOL—Aug. 31, by Trustees of State College, training school, power house and equipment, College grounds. $220,000. Roan & Ingleson, Kent, archts.

Ind., Columbus—HIGH SCHOOL—Aug. 10, by School Comrs., rein.-con., brick, steel Junior High School, $150,000. N. Hill, 1050 North Delaware St., Indianapolis, archt. J. Rotz, Merchants Bank Bldg., Indianapolis, engr.

Mich., Saginaw — SCHOOL — Bd. Educ., Warren Ave., and Frantz & Spence, archts., 116 North Washington Ave., taking bids 2 story, basement, 98 x 201 ft., rein.-con., brick, steel, plain found., 10th St., $150,000.

Kan., Lawrence—NURSES HOME—Coolidge & Hodgdon, archts., 134 South La Salle Ave., Chicago, Ill., bids about Aug. 17, brick, nurses home Maine St., for J. B. Watkins, Lawrence, $150,000.

Bids Received

N. Y., White Plains — SCHOOL—Bd. Educ., R. E. Dougherty, pres., 393-7th Ave., New York, school, from A. Percy, Port Chester. Est. $1,000,000.

Contracts Awarded

Vt., West Rutland—HIGH and GRADE SCHOOL—Town, P. Levenworth, supt. schools, 3 story, basement, brick, marble, plain found., to A. C. Hay Constr. Co., 34 Pearl St., Hudson Falls, N. Y. $150,000.

Mass., Falls River—CHURCH and PARISH HOUSE—St. John's Episcopal Church, c/o H. I. Fair, pastor, 1 and 2 story, basement, brick, stone, plain found., to C. Hodgate & Co., 370 Bedford St. Est. exceeds $150,000. Noted July 19.

Mass., Greenfield—SCHOOL—Holy Trinity Roman Catholic Church, c/o P. J. Meehan, pastor, 133 Main St., Springfield, 3 story, basement, to G. H. Reed & Co., Greenfield. Est. $150,000 or more. Noted July 19.

Mass., Northampton — ZOOLOGICAL — Smith College, brick, steel, incl. students quarters, to D. A. Sullivan & Son, 78 Main St. Est. $150,000.

R. I., Central Falls—SCHOOL—City, c/o Superintendent, Schools, 2 story, basement, brick, to Humes Constr. Co., 365 Dexter St. Est. $150,000. Noted June 28.

Conn., Greenwich—CHURCH—St. Rocco Roman Catholic Church, A. Wollschlager, pastor, 1 story, basement, brick, bluestone, Alexander St. and Griggs Ave., to J. Christiano, 431 Summer St. Est. $150,000. Noted June 7.

N. Y., Brooklyn — SCHOOL — Bd. Educ., 500 Park Ave., New York, general contract Seth Low Junior High School, to Pstay & Fuhrman, Inc., 153 East 72nd St., New York, $877,750; heating, to D. J. Rice, 606 1st Ave., New York, $118,700; plumbing, to H. Homer, 1375 58th St., $52,623. Grand total $1,029,073. Noted June 21.

N. Y., New York—HOME and INFIRMARY—Methodist Episcopal Church Home, W. J. Stitt, pres., Amsterdam Ave. and 92nd St., home and infirmary for aged, Spuyten Duyvue Parkway, to J. Lowry, 270 Madison Ave. Est. $500,000. Noted July 10.

N. Y., Queens (Ind. br. Jamaica)—CHURCH and SCHOOL—Dutch Reformed Church, Queens Rd. and Jericho Turnpike, church and school, Jericho Turnpike and Springfield Rd., to L. M. Neckerman, 103 Park Ave., New York.

N. Y., White Plains—HIGH SCHOOL—Bd. Educ., R. E. Dougherty, pres., general contract high school, to W. A. Berbusse, 35 Bush Ave., Port Chester, $1,043,400. Noted Aug. 2.

N. J., Highland Park — SCHOOL — Bd. Educ., 2 story, basement, brick, steel addition, plain found., 3rd Ave., to Nora & Nora Constr. Co., 52 Paterson St., New Brunswick. Est. $150,000. Noted July 12.

N. J., Nutley (br. Newark)—SCHOOL—Bd. Educ., High School Bldg., general contract 2 story, basement, brick, steel addition, plain found. Harrison St., to Kirkpatrick Constr. Co., 185 Market St., Newark, $216,462; heating, to R. P. Lister, 532 Bloomfield Ave., Verona, $45,421; noted July 26; plumbing, to A. M. Maddox, 234 Watchung Ave., Montclair, $20,938; electrical work to C. P. Hansen, 230 New St., Belleville, $16,650.

Buildings—Educational, Religious (Cont.)

Pa., Masontown — HIGH SCHOOL — School Dist. of Masontown, Junior and Senior High School, 2 story, basement, brick, concrete, steel, to John M. Kisner & Bro. Lumber Co., Freemont, W. Va. Est. $150,000. Noted May 10.

Ga., Decatur—SCHOOL—De Kalb Co., 2 story, basement, brick, steel, rein.-con., to Southern Ferro Concrete Co., 70 Ellis St. N.E., $153,900.

La., New Orleans—CHURCH—St. Charles Ave. Baptist Church, St. Charles and State Sts., general contract steel, limestone, concrete found., St. Charles St., to W. W. Van Meter, 606 Commercial Pl. $170,000. Contractor letting sub-contracts piling, slate roofing, copper work, combined heating and air circulating system. Noted Apr. 23, 1925.

Ky., Louisville — CHURCH — Knesseth Israel Congregation, 411 Fehr Ave., 1 story, basement, colony, 90 x 190 ft., brick, stone, to Platoff & Bush, 122 West Liberty St. Est. $150,000. Noted June 28.

O., Cleveland — ACADEMY — St. Augustine's Convent, 14808 Lake Ave., 2 story, basement, 60 x 128 ft., rein.-con. brick, steel, 14808 Lake Ave., to W. J. Schirmer Co., 1720 Euclid Ave. Est. $200,000. Noted July 12.

O., Cincinnati—SCHOOL—Holy Angels Church, Madison and Grandin Rds., 2 story, basement, rein.-con., brick, plain found., Madison Rd., to Liebold-Farrell Co., Schmidt Bldg., $175,000. Noted Aug. 2.

Mich., Detroit — CHURCH — Epiphany Evangelical Lutheran Church, Bauman Ave. and Seven Mile Rd., 1 and 2 story, basement, 60 x 128 ft., rein.-con., brick, steel, plain found., Bauman Ave., to Everett Winters, 1651 East Grand Blvd. Est. $150,000.

Ill., Urbana—LABORATORY and HALL —University of Illinois, general contract two 3 story, rein.-con., brick, stone buildings, to J. H. Huntzinger & Co., Security Bldg., Davenport, Ia., $275,666 and $330,304 respectively; heating and plumbing for laboratory, to Carson-Payton Co., Urbana, $37,556; plumbing in hall, to A. W. Murray & Co., $10,300; heating in hall, to Reliable Heating & Plumbing Co., $16,366; ventilating, to H. Derrough, $7,835. Grand total $778,038. Noted May 17.

Wis., Kenosha — SUNDAY SCHOOL, HALL and CHAPEL—First Methodist Episcopal Congregation, E. Martin, pastor, 2 story, basement, 133 x 217 ft., 11th Ave., to Immel Constr. Co., Fond du Lac.

Minn., Minneapolis—SCHOOL—Bd. Educ., 305 City Hall, general contract altering and constructing rein.-con., brick addition, 39th Ave. S. and 51st St., to Bracker Constr. Co., 752 Builders Exch. Bldg., $176,918.

Minn., Minneapolis—CHURCH—Lake of the Isles Church Congregation, G. Leighton, chn. building com., 1005 West Franklin Ave., superstructure rein.-con., local limestone, Bedford stone, Lake of the Isles Blvd., and West 21st St., to Peterson & Lang, 542 Builders Exch. Bldg. Est. $150,000.

Neb., Lincoln — NURSES HOME — St. Elizabeth Hospital, South St., 5 story, basement, 76 x 132 ft. nurses home, incl. 75 x 100 ft. tunnel, boiler house addition, 13th and South Sts., to W. J. Assenmacher Co., 625 North 17th St., $150,000. Noted Nov. 24.

Mont., Great Falls—SCHOOL—Bd. Educ., V. F. Gibson, clk., general contract 3 story, basement, rein.-con., brick, stone school, incl. stadium, 15,000 seating capacity, to Lease & Leigland, Great Falls. Est. $900,000.

Mo., Normandy—CONVENT—School of Immaculate Heart, c/o M. Anastasia, superior, 3 story, basement, 60 x 80 ft., brick concrete addition, 7626 Natural Bridge Rd., to Mississippi Valley Constr. Co., 802 Chestnut St., St. Louis. Noted May 10.

Ark., Fort Smith — CONVENT and SCHOOL—Benedictine Sisters c/o Sister Lorette, supt., St. Scholastica Convent, 2 story, basement, brick, stone, Albert Pike, to H. G. Buchanan, Fort Smith, Est. $185,000. Noted Mar. 29.

Tex., San Antonio—COLLEGE—Incarnate Word College, Broadway Ave., 3 story, part basement, 38 x 155 ft. dormitory, and 34 x 94 ft. class room college buildings, Broadway Ave., to Kroeger-Brooks Constr. Co., c/o Frost Bldg., $208,795.

Tex., Corpus Christi—HIGH SCHOOL—Bd. Educ., c/o G. P. Blevins, secy., 3 story, 82 x 224 ft., brick, rein.-con., plain found., to Dougherty-Young-Nichols Constr. Co., Corpus Christi, $218,900. Noted July 19.

Calif., Hollywood—CHURCH—Hollywood 1st Methodist Church, rein.-con., Franklin and Highland Aves., to J. C. Bannister, 6331 Hollywood Blvd., $200,000.

Calif., San Diego—HIGH SCHOOL—Bd. Educ., high school in East San Diego, to Kistner-Curtis Constr. Co., Spreckels Theatre Bldg., $450,000. Noted May 31.

Federal Government Work

Proposed Work

D. C., Wash.—HOSPITAL—Quartermaster Division Neuro-psychiatric unit at Walter Reed Hospital. $250,000.

D. C., Wash. — MEDICAL and SURGICAL — U. S. Veterans' Bureau, Arlington Bldg., plans medical and surgical building at St. Elizabeths Hospital. $875,000. Noted Mar. 15.

Ill., Great Lakes (br. Waukegon)—REROOFING—Spec. 5700—Bureau Yards & Docks, Navy Dept., Wash., D. C., Buildings 38 and 90, at Naval Training Station.

Wis., Green Bay—DREDGING—U. S. Engineer Office, Milwaukee, rejected bids June 28, dredging outer channel, Green Bay Harbor. Will readvertise. Noted June 7.

Wash., Fort Lewis—QUARTERS—Constructing Quartermaster, rejected bids July 13, constructing officers quarters, etc. Noted June 21.

Bids Desired

Mass., Northampton — GREENHOUSE—Aug. 21, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., greenhouse with workroom at U. S. Veterans Hospital.

N. Y., Brooklyn — COAL CONVEYOR and HOISTING ENGINE — Spec. 5630 — Aug. 22, by Bureau of Yards and Docks, Navy Dpt., Wash., D. C., repairing coal conveyor and hoisting engines, Navy Hospital; adv. E. N.-R. Aug. 9.

N. Y., Olcott—SUPERSTRUCTURE—Aug. 16, by U. S. Engineer Office, Buffalo, concrete superstructure on West Pier, Olcott Harbor. Noted July 19.

N. J., Oceanport—QUARTERS—Aug. 27, by Constructing Quartermaster, Fort Monmouth, one field officers quarters, 3 double quarters for company officers, one double quarters for non-commissioned officers; adv. E. N.-R. Aug. 9.

Pa., McKees Rocks—WATER PIPING—Aug. 22, by Treas. Dpt., at office Supervising Archt., Wash., D. C., in U. S. Post Office.

Pa., Sayre—POST OFFICE—Sept. 4, by Treas. Dpt., at office Supervising Archt., Wash., D. C., post office; adv. E. N.-R. Aug. 9.

Del., Newark—POST OFFICE—Aug. 31, by Treas. Dpt. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office; adv. E. N.-R. Aug. 9.

Md., Beltsville—CREMATORY—Aug. 17, by Director of Purchase and Sales, Dpt. Agriculture, Wash., D. C., crematory.

D. C., Wash.—MACHINERY—Aug. 17, by A. L. Flint, purch. officer, Panama Canal, machinery, automatic sprinkler system, track jacks, boilers, c. i. pipe, cocks, valves, floor drains, etc.

Va., Newport News—DREDGING—Sept. 5, by U. S. Engineer Office, Norfolk, dredging channel; adv. E. N.-R. Aug. 9. Noted June 28.

Va., Quantico — APARTMENT, etc. — Spec. 5601—Constructing Quartermaster, bids about Aug. 22, apartment house disciplinary barracks, power house and industrial group, Marine Barracks.

N. C., Wilmington—DREDGING—Sept. 4, by U. S. Engineering Office, dredging Shallotte River; adv. E. N.-R. Aug. 9.

Fla., Lake City—ALTERATIONS—Aug. 28, by U. S. Veterans' Bureau, Arlington Bldg., Wash. D. C., Building 4, at U. S. Veterans' Hospital.

La., New Orleans—DREDGING—Sept. 3, by U. S. Engineering Office, Poland and Dauphine Sts., dredging Little Caillou Bayou; adv. E. N.-R. Aug. 9. Noted May 24.

Illinois—DIKES—Aug. 22, by U. S. Engineer Office, 428 Custom House, St. Louis, Mo., 7,000 lin.ft. piling dikes or hurdles in Mississippi River at Crain Island and at Boston Bar.

Ill., Rock Island—BARGES—Aug. 29, by U. S. Engineer Office, twenty 24 x 110 ft. creosoted wooden fuel barges; adv. E. N.-R. Aug. 9.

Calif., Mare Island—REFRIGERATING PLANT—Spec. 5586—Aug. 29, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., automatic refrigeration plant, at Navy Yard. Noted Aug. 2.

Bids Received

N. J., New Brunswick—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., July 30, U. S. Post Office, from J. P. Foley & Sons, 814 Little Bldg., Boston, Mass., $24,621. Noted July 12.

O., Sandusky—DREDGING—U. S. Engineer Office, July 27, dredging and rock removal in Sandusky Harbor from Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland. $1,051,300. Noted July 5.

Ind., Ft. Benjamin Harris — BARRACKS — Constructing Quartermaster, July 31, 2 barracks, from Caldwell & Son, 620 Continental Bank Bldg., Indiana Harbor, Item 1, $418,644, (complete 120 days). Noted July 19.

Mich., Wyandotte — FOUNDATIONS — Treas. Dpt., at office J. A. Wetmore, supervising Archt., Wash., D. C., foundations for U. S. Post Office, here, from A. M. Lundberg, 208 North Bway., St. Louis, Mo. $21,200. Noted July 19.

California — UNDERGRADE CROSSING—U. S. Bureau P. Rds., San Francisco, concrete paving, undergrade crossing on Tahoe City—Truckee Sect. of Truckee Myers Natl. Forest Hy. from Tieslau Bros., 2819 Grove St., Berkeley, $46,925. Est. $55,468.

Calif., Riverside — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., July 31, remodeling and enlarging U. S. Post Office, here, from R. H. Spurgeon, $19,236. Noted July 5.

Contracts Awarded

Conn., New Haven—DREDGING—U. S. Engineer Office, Providence, R. I., dredging New Haven Harbor, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., $45,220. Noted June 28.

N. Y., Albany—DREDGING, etc.—U. S. Engineer Office, Army Bldg., New York, dredging, rock removal in Hudson River, to G. H. Breymann & Bros., 17 Battery Pl., New York, $299,412. Noted July 12.

D. C., Wash.—RETURN LINES—Spec. 5606—Bureau Yards & Docks, Navy Dpt., Wash., D. C., renewing high pressure return lines at Naval Hospital, to Federal Heating Co., Bonded Bldg., $2,891 (60 days). Noted July 19.

Va., Hampton Roads—STOREHOUSE—Spec. 5623—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Operating Base, to J. A. Jones Constr. Co., Charlotte, N. C., $192,000 (300 days). Noted July 12.

N. C., Cape Hatteras—REPAIRING—Spec. 5650—Bureau Yards & Docks, Navy Dpt., Wash., D. C., barracks and masts at Naval Radio Station, to C. P. Gray, Buxton, $3,850 (90 days).

Ga., Savannah — TRAINING WALL — U. S. Engineer Office, in Savannah River, to Atkinson Dredging Co., West Palm Beach, Fla., $33,250. Noted July 26.

La., New Orleans—BARGES—U. S. Engineer Office, Poland and Dauphane Sts., 2 steel barges, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $21,000. Noted Aug. 2.

Ill., Chicago — SUPERSTRUCTURE — U. S. Engineer Office, 537 South Dearborn St. rebuild concrete superstructure on exterior breakwater, Chicago Harbor. Work will be done by government plant. Former bids rejected. Noted June 14.

Ill., Chicago—STORE HOUSE—Treas. Dpt. at office Supervising Archt., Wash., D. C., storehouse at U. S. Marine Hospital, to H. A. Hanson Constr. Co., 608 South Dearborn St., $9,594 (90 days). Noted Aug. 2.

Michigan—ROCK REMOVAL—U. S. Engineer Office, Detroit, removing 155,400 cu.yd. earth and rock from Course 6, Middle Neebish Channel, St. Mary's River, to United Dredging Co., 233 Bway., New York, N. Y., $2,377,377. Noted Aug. 2.

South Dakota—ROAD—Bureau P. Rds., Custom House, Denver, Colo., grading 1.53 mi. Sect. K Deadwood-Hot Springs Rd., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $32,725.

Wyoming — ROADS — Bureau P. Rds., Denver, Colo., grading 2.92 mi. Granite Creek Sect. Hoback Canyon Hy., Teton Co., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $81,652. Noted July 26.

Montana and North Dakota—EARTHWORK, etc.—Bureau Reclamation, Savage,

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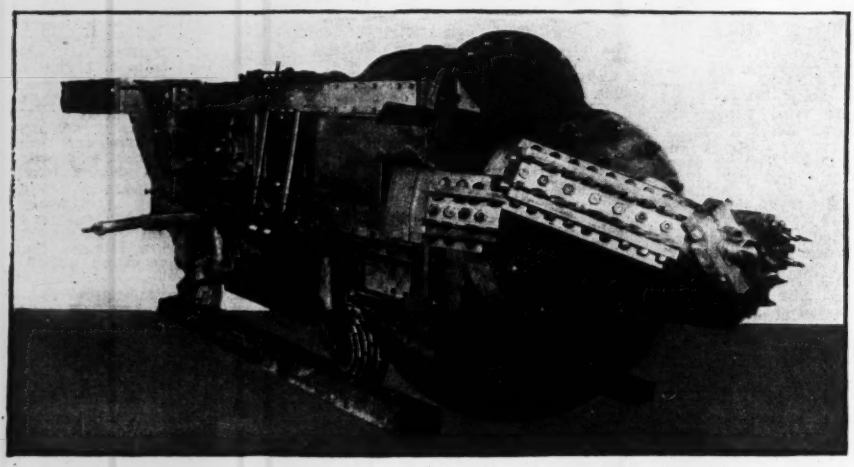

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Federal Government Work (Continued)

Mont., earthwork and structures for open drains on Lower Yellowstone Project, to Newell & Co., Portland, Ore. $53,484. Noted June 7.

Missouri—DIKE and REVETMENT—U. S. Engineer Office, constructing dike at Brunswick and DeWitt Bends, in Missouri River, to Woods Bros. Constr. Co., 132 West 13th St., Lincoln, Neb., $47,328 and $138,823 respectively; revetment at Brunswick Bend, to Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, $180,042; pile clump dikes at Chamois Bend to Bilhorn, Bower & Peters, Inc., Railway Exch. Bldg., St. Louis, $165,126. Grand total $471,319. Noted July 26.

Mo., Kansas City — CLUMP DIKES — U. S. Engineer Office, 3,400 lin. ft. standard clump dikes in Missouri River, St. Charles Reach, to Kansas City Bridge Co., 510 Orear Leslie Bldg., $104,485. Noted Aug. 2.

Okla., Ft. Sill—OFFICERS QUARTERS —Constructing Quartermaster Field Artillery School War Dpt., officers quarters, to Holmboe Constr. Co., Oklahoma City, $70,500. Noted July 12.

Colorado—ROADS—U. S. Bureau P. Rds., Denver, grading 5 mi. Sect. A, Willow Creek Pass Natl. Forest Projects, Grand Co., to Pioneer Cnostr. & Eng. Corp., Denham Bldg., Denver, $59,781; 6.34 mi. Sect. D, Chicago Creek 3, Mt. Evans Hy. Project, Clear Creek Co., to E. H. Hounen, Colorado Springs, $86,585; surfacing 6.9 mi. Bear Lake Natl. Park Hy., Sect. 13-1, Larimer Co., to W. A. Colt & Sons, Las Animas, $37,250. Grand total $183,616. Noted June 21 and July 5.

Colo., Denver — CEMENT — Bureau Reclamation, 10,000 bbls. portland cement for Echo Dam, Salt Lake Basin Project, Utah, to Union Portland Cement Co., Denver, at $2.85. Noted Jan. 26.

Idaho, Burley — EARTHWORK, etc. — Bureau Reclamation, Dpt. Interior, earthwork, canal lining, structures, main canal, Station 0-180, Sect. 1, to Derbon Constr. Co., $285,935. Sect. 2, to Winston Bros. Co., 801 Globe Bldg., Minneapolis, Minn., $72,368. Noted May 10.

Washington — ROAD — Bureau P. Rds., Wash., D. C., paving North and South Hy., Enida Sect., Walla Walla Co., to Crick & Kuney, Walla Walla, $85,487.

Wash., Walla Walla—TANK and TOWER —U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., at U. S. Veterans' Bureau, to Chicago Bridge & Iron Co., 1015 Chestnut St., Phila., Pa., $11,200. Noted July 26.

Oregon—ROAD—Bureau P. Roads, W. H. Lynch, dist. engr., Post Office Bldg., Portland, grading 8.3 mi. Canyon City—Brown Hy., Grant Co., to J. A. Terteling, Moscow, Idaho, $33,692.

Calif., San Diego—PIER—Spec. 5655—Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete pier extension (additional work), to R. E. McKee, 1128 Central Bldg., Los Angeles, $38,000. Noted Mar. 22.

Unclassified

Proposed Work

FERRYBOATS—**New York, N. Y.**—L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, received no bids Aug. 1, 2 double end steel diesel electric ferryboats for Manhattan State Hospital, Wards Island. Noted July 19.

SHIPYARD—**Keyport, N. J.**—Humphreys Shipyard Corp., 347 Madison Ave., New York, F. P. Humphreys, pres., shipyard addition, Myrtle Ave. $50,000. Private plans.

POWER PLANT IMPROVEMENTS—**Clarksdale, Miss.**—City, c/o J. R. Agnew, supt., preliminary plans two 550 hp. single retort underfeed Westinghouse stokers, new 142 ft. well.

OVERHEAD CROSSING — **Tennessee** — State Dept. Hys. & P. Wks., Nashville, and Louisville & Nashville R.R. Co., Louisville, Ky., W. H. Courtenay, ch. engr., bridge over railroad, on Englewood Branch, McMinn Co. To exceed $25,000. H. F. Berry, comr.

AIRPLANE HANGAR—**Cleveland, O.**—National Air Transport, Inc., c/o L. D. Seymour, 5932 South Cicero St., Chicago, Ill., 1 story, 100 x 120 ft., brick, steel, airport grounds. $100,000. Private plans.

SWIMMING POOL—**Northville, Mich.**—See "Buildings—Educational, Religious."

OIL REFINERY and OIL PIPE LINE—**Texas—Moody Corp.**, (parent organization Moody-Seagraves Co., Galveston), 5,000 bbl. capacity refinery plant at Big Springs or on Gulf coast in Galveston-Houston Dist., $150,000; 40 mi. 10 in. pipe line from oil fields in Howard Co. to point near Big Springs, $125,000. Private plans.

PIPE LINE—**Texas**—Atlantic Pipe Line Co., Magnolia Bldg., Dallas, surveys 500 mi. pipe line from Midland to Port Arthur. Koch & Fowler, 801 Central Bank Bldg., Dallas, engrs.

NATURAL GAS PIPE LINE—**Texas and Mexico**—Moody-Seagraves Co., Galveston, natural gas pipe line between Laredo, Tex. and Monterey, Mexico. $10,000,000. Private plans.

AIRPORT—**Amarillo, Tex.**—City, c/o J. D. Bartlett, city mgr., airport, incl. machine shops with equipment, fire fighting equipment, 80 x 100 ft. fireproof hangar, 100,000 candle power beacon. $45,000. H. B. Jones, engr.

PIPE LINE—**Oklahoma and Illinois**—Sinclair Oil Co., Cinclair Bldg., Tulsa, oil pipe line from Cushing, Okla., to Chicago, Ill. $15,000,000. Private plans.

GAS SYSTEM—**Hugo, Okla.**—Lone Star Gas Co., 1915 Wood St., preliminary plans natural gas distribution system, $60,000. R. L. Jones, mayor.

LIGHTING SYSTEM—**Lawton, Okla.**—Preliminary plans "White Way" lighting system. $30,000. O. C. Noble, Lawton, engr.

GAS SYSTEM—**Webb City, Okla.**—Preliminary plans natural gas distribution system. $25,000. H. Davison, mayor. Private plans.

SWIMMING POOL—**Los Angeles, Calif.** —City, 75 x 325 ft., swimming pool divided in three sections, in Exposition Park. $125,000. Noted Jan. 12, 1927.

WHARF—**San Pedro, Calif.**—City of Los Angeles Harbor Comn., plans 80 x 192 ft. rein.-con., construction, 40 x 192 ft. rein.-con., piling and concrete decking main portion, 40 x 192 ft. creosoted wood piling with wood decking, apron portion, Berth 174, G. F. Nicholsen, Berth, 90, San Pedro engr.

DOCKS and TERMINAL WAREHOUSE —**Hamilton, Ont.**—Canada Steam Ship Lines, docks, terminal warehouse, foot Wentworth St. $2,000,000.

Bids Desired

FIRE ALARM SYSTEM—**Long Island City, N. Y.**—Aug. 16, by J. J. Dorman, comr. Fire Dpt., Municipal Bldg., New York, portion underground fire alarm system, Queens Boro.

FIRE ALARM SYSTEM — **New York, N. Y.** — Aug. 14, by J. J. Dorman, fire comrs., Fire Dpt., Municipal Bldg., portion underground fire alarm system, Brony Boro.

GRANITE WORK—**New York, N. Y.**—Aug. 14, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, removing and installing new granite, 2 copper finials, etc.; also steel storage cases at Amer. Museum of Natural History, Manhattan Sq.

STATION FINISH—**New York, N. Y.**—Aug. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St. station finish work for 145th Street Station, Rapid Transit R.R.

SUBWAY—**New York, N. Y.**—Aug. 21, by Bd. Transportation, J. H. Delaney, chn., 40 Lafayette St., constructing Sect. 2, Route 106, rapid transit R.R. along and under McComb's Park Dam, East 161st and Grand Blvd. and Concourse.

FERRY SLIPS—**New York, N. Y.**—Aug. 29, by L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, ferry slips for Manhattan State Hospital; adv. E. N.-R. Aug. 9.

TUNNEL—**Kent, O.**—See "Building Industrial."

CABLE — **Illinois** — See "Contracts Awarded."

GAS MAINS—**Mimico, Ont.**—See "Contracts Awarded."

STREET LIGHTING—**Riverside, Ont.**—See "Streets and Roads."

PIERS—**Quebec**—Aug. 17, by Dpt. Marine & Fisheries, Ottawa, L. E. Cote, engr., 2 rein.-con. piers at Brule Bank. $200,000.

Contracts Awarded

ASPHALT PLANT—**New York, N. Y.**—H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., additions to asphalt plant, to Charleroi Iron Wks., $49,942. Noted July 12.

FERRY BOAT—**New York, N. Y.**—A. Goldman, comr. Plant & Structures, Municipal Bldg., ferry boat, to Todd Dry Dock Co., 25 Bway. $353,241. Noted June 21.

CONCRETE LAMP POSTS—**New Jersey** —State Hy. Comn., Broad St. Bank Bldg., Trenton, furnishing lighting fixtures on Route 1, extension to Holland Tunnel through Newark and Jersey City, to Erricksen Eng. Co., 452 Lexington Ave., New York, $19,439. Noted July 19.

LIGHTING SYSTEM—**Magnolia, Miss.**—See "Streets and Roads."

LIGHTING SYSTEM—**Bexley** (Columbus P. O.), **O.**—S. W. Roderick, village clk., lighting standards, underground cables in Cassingham, Remington, Ardmore and Stanwood Rds., to General Electric Co., 17 South High St., Columbus, $36,952. Noted July 12.

CABLE—**Illinois**—Illinois Bell Telephone Co., 216 North Main St., Chicago, 520 mi. cable from Wyanet to Moline, day labor. $700,000.

OIL PIPE LINE—**Texas**—Texas Co., 720 San Jacinto St., Houston, laying 146 mi. 8 in. steel pipe line from Corsicana to San Augustine, to N. A. Saigh Co., c/o Builders Exch. Bldg., San Antonio, $300,000.

ELECTRIC DISTRIBUTION SYSTEM—**El Paso, Tex.**—City, reconstructing electric distribution system, to Ware Co., El Paso, $25,000.

GAS MAINS—**Mimico, Ont.**—Consumers Gas Co., 19 Toronto St., Toronto, 4 in. and up c.i. mains throughout town, day labor. Est. $50,000.

Materials

Proposed Work

FROGS, SWITCHES, etc.—**Phila., Pa.**—Aug. 15, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., frogs, switches, switch points, Contr. 63—1928; guard rails, Contr. 64—1928; piston heads, Contr. 65—1928.

Bids Desired

BELL and SPIGOT CAST IRON PIPE—**Atlantic City, N. J.**—Aug. 16, by Bd. City Comrs., City Hall, 9,600 lin.ft. bell and spigot c.i. pipe. L. Van Gilder, engr.; adv. E. N.-R. Aug. 9.

Bids Received

BINDER STONE—**Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Aug. 1, 6,000 cu. yd. binder stone, from New York Trap Rock Co., 250 Park Ave., New York, $11,640; 10,000 cu. yd. asphalt sand, from Z. Mahoney, 557 46th St., $10,000; 10,000 cu. yd. asphalt sand, and 6,000 cu. yd. steam cinders, from M. F. Hickey Co., foot 6th St., $10,000 and $8,220 respectively; 6,500 bbl. portland cement from Quality Builders Contg. Co., 200 3d Ave., $15,990; and 4,500 cu. yd. broken stone, from Colgan Contg. Co., 90 William St., New York, $6,830. Noted July 26.

STEAM ASHES—**Long Island City, N. Y.** —B. M. Patten, pres. Queens Boro, Queens Subway Bldg., July 30, 8,000 tons steam ashes in scows at Dock Asphalt Plant 1, Flushing, from Doran Bros. Contg. Co., Inc., 17 Battery Pl., New York, at $1.75 per ton, total $14,600. Noted July 26.

GRAVEL—**Missouri**—State Hy. Comn., Jefferson City, 3,980 cu. yd. gravel on Route 25, Cape Girardeau Co., from Russel Martin, Eolia at $1.751.

LUMBER—**Missouri**—State Hy. Comn., Jefferson City, 298,000 ft. white oak lumber for ditch retards at various points, from Nebraska Bridge Supply & Lumber Co., 448 Peters Trust Bldg., Omaha, Neb. $13,704—582,000 ft. creosoted lumber for ditch retards at various points, from Wheeler Lumber Bridge & Supply Co., 606 Hubbell Bldg., Des Moines, Ia. $31,815—651 tons calcium chloride at various points, from Dow Chemical Co., 2d and Madison Sts., Solway Sales Corp., 1017 Olivet St., both St. Louis and Columbia Chemical Co., Pittsburgh Pl., Barberton, O. at same bid $20,721. Noted June 28.

Foreign

Brazil—State of Bahia, M. Marros, dir. da Directoria de Estrades de Rodagem Departmento da Agricultura, Industria, Commercio, Viacao e Obras Publicas, Bahia, voted $18,750,000 for public works.

Hawaii, Honolulu — G. S. Underwood, archt., Hibernian Bldg., Los Angeles, California., taking bids 2 and 4 story, brick, concrete hotel, for W. Gustin, Honolulu. $400,000. Noted June 28.

Mexico—Hy. Dpt., State of Saltillo, plans grading, roads from Saltillo and Torreon, and road between Vera Cruz and Mexico City. 4,000,000 pesos.

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See proposal advertising on page 133

UNIT PRICES

Sheet Piling and Drainage Improvement—Syracuse, N. Y.

Board of Contract & Supply, City Hall, opened bids Apr. 30, improving East Genesee St. Attracted much attention because of unusual conditions of work. Slide on street continues to move and is expected to move during first phases of work directed toward improvement of drainage. Bids were asked for steel sheet piling of sections equivalent to Carnegie Index Section M104 for straight piling or M106 for arch web piling, both new and used. Only one bidder submitted different prices for straight and arch web piling. Bidders are: (A) Monds Construction Co.; (B) C. T. Hookway, Weiting Bldg.; (C) J. Corbett; (D) Engineer's Estimate; (E) H. M. Ballard; (F) Provo Bros. Nelson F. Pitts, Jr., city engineer

	A	B	C	D	E	F
3,400 sq.ft. new straight steel piling	$1.25	$1.25	$1.50	$1.50	$1.65	$2.00
3,400 sq.ft. used straight steel piling	1.20	1.25	1.10	1.50	1.40	1.90
3,400 sq.ft. new arch web steel piling	1.25	1.25	1.50	1.50	1.65	2.25
3,400 sq.ft. used arch web steel piling	1.20	1.25	1.15	1.50	1.40	2.10
15 M. ft. wooden sheet piling	95.00	200.00	190.00	150.00	270.00	150.00
575 lin.ft. drain trenches	1.00	1.25	1.10	1.00	2.71	2.00
505 cu.yd. crushed stone in trenches	3.00	3.00	2.60	2.50	2.92	4.50
356 lin.ft. 10 in. vitr. pipe	2.00	1.00	.80	1.20	1.85	3.50
2 cu.yd. conc. around pipe	12.00	10.00	12.00	20.00	15.00	20.00
Connection with receiver (lump sum)	15.00	20.00	5.00	10.00	12.00	25.00
2 manholes 4x4 ft.	100.00	75.00	95.00	100.00	175.00	150.00
50 cu.yd. retaining wall, Type A	16.50	18.00	19.00	25.00	14.50	30.00
140 cu.yd. retaining wall, Type B	18.00	14.00	18.50	25.00	14.50	22.00
8,600 lb. reinf. steel	.05	.06	.05	.04	.05	.10
70 cu.yd. crushed stone	3.00	3.00	2.80	2.50	2.67	4.00
2,600 cu.yd. excav. of mud	1.00	1.50	1.00	.80	2.00	2.00
2,150 cu.yd. gravel refill	2.50	2.50	2.10	2.25	2.20	3.00
400 cu.yd. 1 ft. layer of gravel	2.75	2.50	2.50	2.25	3.20	4.00
750 lin.ft. intercepting ditch	.15	.50	.20	.30	.18	2.00
250 cu.yd. retaining wall, Type C	16.50	15.00	19.00	27.70	14.50	25.00
1,800 sq.yd. trimming slope	.20	.25	.15	.50	.40	.20
450 cu.yd. 3 in. layer of top soil	2.00	3.50	5.00	2.00	3.10	2.50
10,000 sq.ft. sodding	.10	.20	.25	.10	.12	.50
120 sq.ft. cobblestone gutter	.20	.30	.50	.25	.28	4.00
0.7 cu.yd. two conc. collars	15.00	12.00	15.00	25.00	27.00	25.00
0.45 cu.yd. headwall	15.00	15.00	15.00	25.00	20.00	100.00
1 junction manhole	200.00	100.00	125.00	100.00	250.00	150.00
1 drop manhole	175.00	100.00	100.00	100.00	150.00	150.00
56 sq.ft. cobblestone basin	.25	.25	.50	.25	.20	1.00
Totals straight piling	$28,714	$32,296	$32,930	$33,384	$35,873	$48,187

Engineering News-Record, Issue of August 9, 1928.

Sewer—Halfway, Mich.

Bids were opened by Village Commission, April 18, sewer system in District No. 7, from (A) J. M. Nardi, 14101 Birwood Ave., Detroit; (B) E. Lorenz, Roseville; (C) T. D. Nolan, 14101 Plymouth Ave., Detroit, (awarded contract); (D) Callahan & Gross, 2631 Woodward Ave., Detroit; (E) Coolsaet Bros., Fordson; (F) A. J. O'Sullivan, Port Huron. H. R. O'Mara, village engineer.

	A	B	C	D	E	F
Reinforced Concrete Pipe—Average cut, 13 ft.						
880 ft. 54-in.	$8.25	$8.93	$9.90	$10.00	$10.10	$16.80
290 ft. 48-in.	7.55	7.93	8.25	8.40	8.40	14.80
762 ft. 42-in.	6.56	6.93	6.60	7.00	7.05	12.00
2,955 ft. 36-in.	5.30	5.08	5.30	5.50	5.50	8.75
3,253 ft. 33-in.	4.78	4.88	4.50	5.00	5.05	7.60
4,625 ft. 30-in. Average cut, 15 ft.	4.10	4.13	4.00	4.00	4.05	6.75
6,572 ft. 27-in.	3.28	3.73	3.45	3.60	3.60	5.50
Vitrified Crock Sewer						
6,678 ft. 24-in.	2.99	3.30	3.20	3.20	3.20	4.50
7,013 ft. 21-in.	2.55	2.80	2.70	2.58	2.60	3.86
7,524 ft. 18-in. Average cut, 12 ft.	2.00	2.00	2.03	1.97	2.05	2.70
3,988 ft. 15-in.	1.57	1.40	1.42	1.42	1.40	2.20
12,769 ft. 12-in.	1.00	.86	1.12	1.00	1.00	1.60
154 standard manholes	74.50	88.00	86.00	90.00	90.00	100.00
3 drop manholes	105.00	110.00	150.00	125.00	125.00	250.00
100 temporary crock catchbasins	27.00	18.00	26.00	20.00	21.00	35.00
1,000 ft. 6-in. risers	.90	.30	1.10	.65	.70	1.25
200 yd. gravel	2.50	2.50	2.50	2.25	2.40	3.00
	$173,944	$179,708	$181,044	$181,299	$182,662	$274,304

Engineering News-Record, Issue of August 9, 1928.

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Apartment hotel, Montreal, Que., E. E. Workman, plans, $7,000,000.

Hall of records, Camden, N. J., Bd. Comrs., sketches, $6,000,000.

Bank and office, New York, N. Y., American Exchange-Irving Trust Co., plans, $5,000,000.

Office, Milwaukee, Wis., Northwestern Mutual Life Insurance Co., $3,000,000.

Apartment, New York, N. Y., Kingsbridge Improvement Corp., plans, $3,000,000.

Hospital and nurses home, York, Pa., Ballinger Co., archt., Phila., take bids late in August for owner, $1,500,000.

Bridge, Seattle, Wash., plans, $1,500,000.

Club and hotel, New York, N. Y., Club Hotel Corp. of New York, plans, $1,300,000.

Railway, Alabama, Louisville & Nashville R.R. Co., plans, $1,250,000.

Apartment, Jersey City, N. J., C. Zerman, sketches, $1,000,000.

Roads, Ft. Worth, Tex., plans expending $1,000,000.

Apartment, Los Angeles, Calif., Owner c/o R. A. Hill, archt., sketches, $1,000,000.

Bids Desired

Hospital, Los Angeles, Calif., Aug. 27, by Superv. Los Angeles Co., $8,000,000.

Office and garage, San Antonio, Tex., Sept. 1, by J. M. Nix, $1,500,000.

Hotel, New Orleans, La., Sept. 4, by M. H. Goldstein, archt., for American Bank & Trust Co., $1,500,000.

Contracts Awarded

Hotel, Atlantic City, N. J., Rankin & Kellogg, archts, for owners, to Turner Constr. Co., est. $6,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 68.

Railway, Pennsylvania, Pennsylvania R.R. Co., to W. F. Trimble & Sons, Pittsburgh, est. $4,000,000.

Theater, Atlantic City, N. J., Embassy Theater Co., to C. P. Tilton, est., $4,000,000.

Subway, New York, N. Y., Bd. Transportation, to D. C. Serber, $3,160,000.

Office and store, Los Angeles, Calif.; Richfield Oil Co., to P. J. Walker Co., $2,500,000.

Engineering, Detroit, Mich., Hupp Motor Car Co., to Everett Winters Co., est. $1,500,000.

Store and loft, San Francisco, Calif., Sears-Roebuck Co., to Scofield Engr. Co., Los Angeles, $1,500,000.

Hotel, Pasadena, Calif., Owner c/o Morston & Mayhury, archts., to Orndorff Constr. Co., $1,300,000.

Office and garage, Vancouver, B. C., Syndicate, to Carter-Halls-Aldinger Co., Ltd., $1,200,000.

Hospital, Phila., Pa., Pennsylvania Hospital, to Turner Constr. Co., est., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Beach Haven — Boro of Beach Haven, drilling of well and installation of new equipment for waterworks, $10,000. A. P. King, clk.

Tex., Dallas — City, c/o M. G. James, secy., revised plans 32 m.g.p.d. capacity, purification plant, incl. basins, piping, etc., two 15 m.g.d. turbine driven pumping units complete with all auxiliaries, three 15 m.g.d. motor driven pumping units complete with motors, two 750 kva. turbo-generators complete with all auxiliaries.

Tex., Mercedes—Central Power & Light Co., c/o A. J. Thomas, loc. mgr. Mercedes, enlarging filtration plant to 500,000 g.p.d., 2 new filters and 2 or 3 coagulators, $25,000, also 4- to 6-in. water pipe line (mains), in residential and business districts. $50,000. Private plans. Noted July 26.

Wash., Aberdeen—City Council plans industrial water system on lower Wynooche River. A. M. Torpen, ch. engr.

Wash., Seattle—Plans reservoir for additional water supply, on Sultan River. F. Edwards, mayor.

Bids Desired

N. Y., Long Island City—Aug. 21, by J. J. Dietz, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in East Alley Pond Dri., Juniper Pl., Nassau and Woodhaven Blvds., 47th, 50th, East Williston Aves., Totten, 120th, 209th, 266th, 30th, 48th Sts.

N. J., Orange—Bd. City Comrs., City Hall, bids about Aug. 22, 1 and 2 story, 68 x 106 ft. water filteration plant, etc. $100,000. Runyon & Carey, 33 Fulton Newark, engrs. Noted May 17.

Pa., Phila.—Aug. 21, by Dpt. P. Wks., Bureau of Water, high pressure mains, Contr. 929; plumbing for Torresdale Filters, Contr. 938.

Ala., Mobile — Sept. 4, by Bd. Comrs., mains and accessories, for Waterworks Divisions 1, 2 and 3, W. Smith, city engr.; adv. E. N.-R. Aug. 16.

Minn., Hibbing—Water & Light Comn. takes bids about Sept. 15, 2 m.g. rein.-con. reservoir. $30,000. J. C. Taylor, city engr.

Contracts Awarded

Mass., Concord — Bd. Water & Sewer Comrs., pumping equipment for pumping station, to Starkweather & Broadhurst, Inc., 79 Milk St., Boston, $7,000. Noted July 12.

N. Y., Albany—Bd. Water Supply, State St., Basic Creek Tunnel, to H. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn. $217,500. Noted Aug. 1.

Pa., Phila. — Dpt. P. Wks., Bureau of Water, Contr. 931, to Acme Machine Co., 27 North 38th St. $13,500—Contr. 933, to P. & A. J. Ellis, 4th and Wyoming Sts., $4,688—Contr. 934, to M. & J. B. McHugh, 892 North Markoe St. $8,819—Contr. 935, to R. D. Wood & Co., 400 Chestnut St. $13,739—Contr. 936, to Keystone Machine & Equip. Co., 618 Widener Bldg. $10,465—and Contr. 937, to A. P. Smith Mfg. Co., 545 North Arlington Ave., East Orange, N. J., $14,970. Grand total $66,181. Noted July 26.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

O., Cincinnati—Comrs. Hamilton Co., 36,590 ft. 6 and 8 in. c.i. mains in Water Supply Line 89, Dists. 1 and 7, to Crimley, Jones & Crumley, Temple Bar Bldg., $79,802. Noted Aug. 9.

O., Cleveland — Comrs. Cuyahoga Co., 5,000 ft. 8 and 12 in. c.i. mains in Wooster Pike (Impvt. 1550), to J. Kahill & Jackson, Triskett Rd., $19,293.

O., Cleveland — Comrs. Cuyahoga Co., 5,200 ft. 6 and 12 in. mains in Bway. Impvt. 950, to E. Cesa, 2462 Baldwin Rd., $17,228—5,500 ft. 8 in. mains Porter Rd. Impvt. 765, to Kassouff & Co., 2600 Althen Ave., $11,635. Noted Aug. 9.

Ind., South Bend—City Clerk, pumping equipment, Contr. 1 to W. H. Cather, 2643 Monroe St., Chicago, Ill. $10,859; well houses, Contr. 2, to Smogor Lumber Co., South Bend, $13,273. Noted May 3.

Minn., St. Paul—K. L. Fiesseler, city purch. agt., 59,400 ft. 6- to 12-in. c.i. pipe, to United States Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis. $40,863. Noted June 28.

Neb., Holdrege—For 135,000 gal. rein.-con. reservoir, 32 x 45 ft., to Hultquist Bros., Holdrege, $4,895. Noted June 21.

Neb., Ord—N. Wolters, city clk., water purification plant and mains, to M. N. Constr. Co., Deward, $37,990. Noted July 19.

Mo., St. Louis—Bd. P. Serv., City Hall, floating boom for Chain of Rocks Waterworks Station, to Phillip A. Rohan Boat, Boiler & Tank Co., foot of Marceau St. $7,689; transformer for power sub-station in Civil Courts Bldg., to E. A. Kroeneman Electric Co., 1420 Pine St. $15,990.

Tex., Donna—For extending and improving waterworks to Brooks Constr. Co., Donna. $100,000.

Tex., Quitaque—Mayor, waterworks improvements, incl. 31,000 lin.ft. 2- to 6-in. c.i. pipe, 50,000 gal. reservoir, valves, hydrants, tank and tower, for City, to Panhandle Constr. Co., Lubbock, $42,000. Noted July 12.

Wash., Seattle—Bd. P. Wks., watermains in 42nd Ave. S., to S. Macri, 1236 36th St., South. $37,167.

Sewers

Proposed Work

N. Y., Dunkirk — City soon takes bids intercepting sewer, sewage disposal system, retaining wall along lake, $500,000 or more. F. K. Wing Co., Prudential Bldg., Buffalo, engr.

N. J., Hillside—Twp. Com., Town Hall, preliminary plans storm sewer in North side of Lehigh Valley R.R., $25,000—storm sewer in Brookside Ave., $38,855. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

See proposal advertising on page 142

Constr. News page 87

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Specify and use LEADITE —it saves at least 75%

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Be sure it is LEADITE and accept no imitations ~ ~ ~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

N. J., Maywood—Bd. Council, Municipal Bldg., sanitary sewers in Colt St., Spring Valley, Paterson, Rutherford, Collinwood and Felter Aves., McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. C., Charlotte—Plans outfall sewer to take care of eastern section of city. $216,000. W. M. Piatt, Durham, engr.

La., Tallulah—Soon takes bids sanitary sewer, incl. disposal plant, $100,000. H. A. Mentz, Hammond, La., engr.

O., Akron — F. E. Swineford, dir. Pub. Serv., soon takes bids 4,485 ft. 8- to 24-in. vitr. clay, 1,275 ft. 30 in. segmental block sewers in Van Everett Ave. et al. $45,000. A. B. Backherms, Municipal Bldg., engr.

Mich., Grand Rapids — Soon takes bids 1st part sewage disposal plant $200,000, road along Grand River, $45,000, bridge or sewer viaduct over Plaster Creek. Noted Apr. 12.

Ill., Jacksonville—Soon takes bids sewage disposal plant in North Side Sewage Treatment Plant. $149,624. Pearse, Greely & Hansen, 6 North Michigan St., Chicago, engrs. Noted June 14.

Wis., Greenwood—Soon takes bids sanitary sewerage system, incl. 2 disposal plants. $70,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Neb., Alliance—Sewerage system and sewage disposal plant, $60,000 to $70,000. R. E. Knight, city engr. Noted Feb. 16.

Tex., Waco—City, c/o E. E. McAdams, mgr., soon takes bids bridges and culverts to incl. viaduct. $190,000. Noted June 28.

Okla., Enid—Two storm sewers. To exceed $15,000. F. C. Magruder, Enid, engr.

Calif., Maywood—Plans vitr. sewage system in western section of city, $100,000 or more. V. Wood, Amer. Bank Bldg., Los Angeles, engr.

Bids Desired

Mass., Boston—Aug. 21, by Dpt. P. Wks., sewerage works in Dorchester, Brighton and West Roxbury. $25,000 or more. J. H. Sullivan, comr.

Md., Baltimore—Aug. 22, by Bd. Awards, sewers and storm drains in Sewer Dist. H-1, Storm Water Contr. 117. M. J. Ruark, Municipal Office Bldg., sewerage engr.

La., New Orleans — Aug. 28, by City Council, sewage system 12 blocks Cambronne St., $25,000—18 blocks Baronne St. $50,000—25 blocks Cleveland Ave. $50,000. City engr.

Wis., Milwaukee—Aug. 18, by Dpt. P. Wks., sewers in Windemere Court 1 alley, 2 rows, 10 avenues, 3 streets. R. E. Stoelting, comr.

Neb., Sidney—Sept. 7, by S. L. Wolfe, city clk., 8,000 ft. 6 and 8 in. sewer extension; adv. E. N.-R. Aug. 16.

Calif., Fresno—Aug. 24, D. M. Barnwell, clerk Fresno Co., sewage disposal plant at County Tubercular Hospital. C. P. Jensen, Holland Bldg., engr.

Ont., Kitchener — S. Shupe, city engr., taking bids, 2 mi. 48 in. sewer, and soon take bids for 3 m.g. plant. $350,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted July 5.

Contracts Awarded

Mass., Concord—Metcalf & Eddy, engrs. Statler Bldg., Boston, 4 mi. vitr. pipe sewers. Contr. 2, to Zoppo & Civitarese, Hyde Park, $74,000 for Town. Noted July 26.

R. I., Providence—Bd. Contr. & Supply, sewerage works, Blackstone Blvd., and Burchard St. to F. W. Christy, 945 Park Ave., Auburn, $48,975. Noted July 19.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering, branch sewers in Clarkson Ave. and Fraley St., to Campellone & Diorio, 3856 North 10th St., $5,482 and $7,810 respectively—Frankford Ave., to Jafallo & Mark, Inc., 606 Lindley Ave., $67,654—laterals in J St., to A. Corrado, 5920 Magnolia Ave., $3,177—main sewers in Aramingo Ave., to V. Jafalla, Penna Bldg., $41,845—Gorgas Lane, to A. Di Sandro & Son, 6400 North 5th St., $43,573, general contract Northeast Sewage Treatment Works, to Mason & Hanger Co., 52 Vanderbilt Ave., New York. $195,000, mechanical equipment, to Roberts Filter Co., Darby, $119,700; electrical work, to W. V. Pangborne Co., 1923 West Montgomery St., $17,630; and heating, to J. Bagger, 2124 East Cumberland St., $1,380. Grand total $503,251.

N. C., Durham—Sewage system, to Burlington Constr. Co., Burlington. $30,000.

Ky., Louisville — Commissioners of Sewerage, Board of Trade Bldg., 3rd and Main Sts., Highland Park-Beechmont Sewer, Contr. 40 to J. A. Davis, 300 City Bank Bldg., Kansas City, Mo. Est. $396,000. Noted June 21.

O., Cleveland—Comrs. Cuyahoga Co., 600 ft. 8- and 12-in. sewers, Liggett Dr. Impvt. 140, to Yahya Bros., 3333 Woodbridge Ave., $20,791; 2,400 ft. 12- and 15-in. pipe in Evergreen Rd. Impvt. 141, to W. P. Burkhardt, 3905 West 20th St., $10,385.

Mich., Detroit—J. W. Reid, comr. P. Wks., Rivard Sewer Sect. 4, to S. A. Healy, 1007 Amer. State Bank Bldg., $140,466; Rivard Sewer Sec. 5, to Central Contr. & Eng. Co., 12901 Lyndon Ave., $146,286; Plymouth Sewer Sect. 1 East of Rouge Park, to Lennane & McIlvenna, 7777 West Chicago Blvd., $209,838; River Rouge Interceptor East Sect. 3, to Jeynes & Sons, 3202 Whitney Ave., $57,730; Bonaparte Sewer Sect. 1, to Julius Porath & Son, 903 Transportation Bldg. $167,644; Southfield Sewer Sects. 8 and 9, to G. R. Cooke, 1316 Penobscot Bldg. $108,110 and $102,696. Grand total $932,770. Noted July 12.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., sewer in Row through Lot 9, Kanes Sub-Division, to P. & L. Co., 1107 Humboldt Ave., $850; Story Parkway, to Zimmermann & Zimmermann, 2826 State St., $50,887. Noted July 12.

Minn., New Ulm—Storm and sanitary sewers, to Theodore Jensen, Tracy, $90,548; furnishing materials for above, to New Ulm Brick & Tile Co., New Ulm, $188,355. Noted July 19.

Mont., Stanford—Main sewer, 5,693 ft. 10- and 12-in. pipe, 22 wyes, 9 manholes and Sewer Impvt. Dist. 8, 9, 602 ft. 8 in. pipe, 304 wyes, 30 manholes, to J. O'Connor, Shelby, $32,783.

Mo., Troy—City Clerk, sanitary sewerage system, disposal plant, to Hogle & Marsh, Muskogee, Okla. Est. $48,000. Noted July 19.

Tex., Turkey—City, sewerage system, to W. G. Cullum, Central Bank Bldg., Dallas. $35,000.

Calif., Inglewood—O. H. Duelke, city clk., c.i. and vitr. sewers in Municipal Impvt. Dist. 2, to R. A. Wattson, 1026 North McCadden Pl., Los Angeles, $53,647.

Calif., Los Angeles—Los Angeles Co., drainage work, pipe lines, Drainage Dist. 26, to Baruch Corp. and R. E. Cooney, Lincoln Bldg., Los Angeles, $791,089. Noted June 28.

Calif., Los Angeles—For 6,000 ft. sewers in Allesandro and Whitmore Ave. Sewer Dist. to Radich & Grancich, 410 North Formosa St., $92,428.

Calif., Maywood—For 6- to 15-in. vitr. clay sewers in Sewer Dist. 1, to Bebek & Brkich, 425 West 78th St., Los Angeles, $108,625. Noted Aug. 9.

Calif., San Luis Obispo—Vitr. sewers on E. D. C. Main Sts., etc., to G. A. De Goyler, Oakland, $31,399. Noted Aug. 9.

Ont., Toronto—City, sewer in Logan Ave., to D. C. McKnight Constr. Co., 600 Bay St., $15,730, sewer in Keewatin Ave., to John Maguire Contr. Co., 172 Eglinton Ave., $10,184, sewer in Hilda Ave., to W. E. Taylor, 22 Falcon St., $3,973, sewer in lane near St. Clair Ave., to G. Miceli & Co., 326 Campbell Ave., $1,000, sewer in Craighurst Ave., to Mitchell Contr. Co., 28 Moore Ave., $7,480, sewer in St. Anns Rd., to P. Corrodi, 19 Hocken Ave., $449, and sewer in Albertus Ave., to J. Formica, 2147 Dufferin St., $6,476. Grand total $45,292.

Waste Disposal

Proposed Work

N. Y., Brooklyn—Brooklyn Ash Removal Co., C. R. Van Etten, pres., 26 Court St., plans by T. E. Murray, 55 Duane St., New York, 3 story, 111 x 282 ft., incinerator plant, Hamilton and 3rd Aves. $400,000.

Bids Desired

N. Y., Syracuse—Aug. 20, by Bd. Contract & Supply 3 story, 122 x 104 x 57 ft. new incinerator, Hiawatha St. $102,000. N. F. Pitt, Jr., State Town Bldg., city engr.

Bridges

Proposed Work

O., Cleveland—Comrs. Cuyahoga Co., Baltimore & Ohio R.R. 40 ft. wide, 100 ft. length rein.-con., bridge, 20,000 cu.yd. fill and approaches Linndale Rd., $60,000. A. M. Felgate, Court House, engr.

Mich., Grand Rapids—See "Sewers."

Wash., Seattle—Preliminary plans bridge in University Dist. $1,500,000. W. P. Barkhuff, city engr.

Ont., Arnprior—Twp. Council plans bridge and dam on Madanaska River. $80,000. James, Proctor & Redfern, Ltd., Excel Life Bldg., Toronto, engrs.

Bids Desired

Vermont—Aug. 17, by State Hy. Bd., State House, Montpelier, 3 bridges in Stockbridge. S. B. Bates, comr.

Mass., Newton (Ind. br. Boston)—Aug. 21, by Dpt. P. Wks., Boston, repairing concrete and steel bridge, for Commonwealth of Massachusetts. W. F. Williams, comr.

Pa., Beaver—Aug. 21, by W. M. Goettman, comr. Beaver Co., piers and abutments for bridge over Ohio River, between Rochester and Monaca.

Pa., Phila. — Aug. 24, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., bridges, Contr. 68.

Michigan—Sept. 5, at Bernien Co. Rd. Office, St. Joseph, S. R. Bridge 1 of 11-13-25, C-1 and 2, two 75 ft. span steel deck girder, for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, engr.

Wisconsin—Aug. 20, by State Hy Comn. Div. Office 8, Superior, constructing Bean Brook Bridge, State Hy. 24, Project 8336. W. C. Buetow, div. engr.

California—Aug. 29, by State Hy. Comn., Sacramento, 306 ft. steel truss swing span, one 70 ft. steel truss span and 170 ft. timber trestle repair bridge over San Joaquin River about 16 mi. east of Los Banos, Merced Co.—2 rein.-con., girder bridges over Dry Creek consisting of two 44 ft. spans on concrete abutments with wing walls and other over Antelope Creek, one 40 ft. span on concrete abutments with wing walls, both near Roseville, in Placer Co., C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Reedley—Aug. 24, by D. M. Barnwell, clk. Fresno Co., repairing bridge over Kings River S. W. of here—rein.-con. bridge over channel of Kings River near here. C. P. Jensen, Holland Bldg., Fresno, engr. Noted July 26.

Contracts Awarded

Vermont—State Hy. Dpt., Montpelier, 2 bridges in Stamford to C. J. Hosmer, Springfield, Mass., $16,272—3 bridges in Sandgate and 1 in Arlington to C. A. Martin, Derry, N. H., $17,062. Noted July 26.

New York and New Jersey—Port of New York Authority, 75 West St., New York, main abutments for bridge over Kill van Kull, between Port Richmond, N. Y., and Bayonne, N. J., to H. P. Converse Co., Exterior and 151st Sts., New York, $515,709. Noted July 12.

N. Y., Buffalo — City, City Hall, R. J. Reidpath, 333 Jackson Bldg., engr. to Independent Bridge Co., Neville Island, Pittsburgh, Pa. repairing Seneca Street Viaduct $21,400; Hamburg Street Viaduct $114,400 and Michigan Ave. Viaduct $59,900. Grand total $195,700.

N. J., Hackensack—Bd. Freeholders Bergen Co., Court House, replanking of Paterson Plank Rd. and bridge over Hackensack River, to F. W. Schwiers Co., Court St., Hackensack, $21,190. Noted Aug. 9.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering, Ryan Bridge over Sandy Run, to Walsh Bros. & O'Vary, 4618 Vankirk St., $37,960—Leverington Ave. Bridge over Canal of Schuylkill Navigation Co., to Seeds & Derham, 25 Maplewood St., $96,976—Ashdale Street under tracks, to Horridge Elcock & Hall, Real Estate Trust Bldg., $49,955—test borings, to J. E. Robinson, 5231 Catherine St., $3,710. Grand total $187,701.

Maryland — State Roads Comn., Baltimore, double span rein.-con. bridge, Contr. A-54, Allegany Co., to S. T. Brotemarkle, Cumberland, $16,945—triple span rein.-con. arch bridge, Contr. F-101, Frederick Co., to D. A. Kline, 1303 John St., Baltimore, $31,845—3 span steel and concrete bridge, Contr. BC-73, Baltimore, to T. Mullan, 3945 Greenmount Ave., Baltimore, $79,883. Grand total $128,674. Noted July 26.

Maryland—State Roads Comn., Baltimore, three span steel and concrete bridge, Contr. M-114, Montgomery Co., to Poffinberger & Mause, Myersville, $29,973. Noted July 19.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete slab bridge, Union Co., to L. C. Love, Sidney, $11,579—new triple 36 ft. span concrete beam bridge, 2 rein.-con abutments and 40 ft. concrete beam bridge and

Constr. News page 88

Bring on Your Pipe-Laying Crew

The INDEPENDENT Concrete Sewer Pipe are Ready!

NO MATTER whether your sewer contract calls for a thousand feet of reinforced concrete pipe, or ten miles, you can depend on INDEPENDENT for ahead-of-time delivery of all the sewer pipe you need.

Our business is building concrete sewer pipes exactly *as* the city engineer specifies them, and delivering them exactly *when* and *where* the sewer contractor wants them.

And not only do we meet every requirement in quality and delivery, but we furnish the kind of pipe your crews can lay more profitably! The "Recessed Joint"—an exclusive feature of INDEPENDENT Pipe—makes it easy to seal each joint quicker, tighter and stronger, at lowest cost.

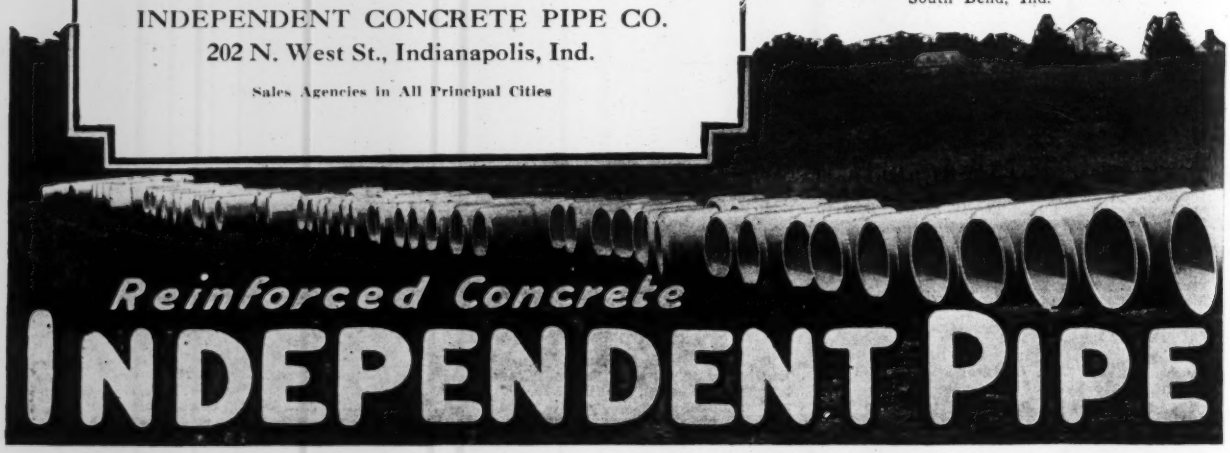
Before you bid on any important concrete pipe sewer project, get a quotation from us. Our wide experience in solving sewer problems and our complete facilities for manufacturing concrete pipe, enable us to quote you a low figure.

INDEPENDENT CONCRETE PIPE CO.
202 N. West St., Indianapolis, Ind.

Sales Agencies in All Principal Cities

Line of INDEPENDENT Concrete Pipe ready for the sewer contractor to lay—Rushville, Ind.

INDEPENDENT 48-in. Concrete Pipe placed along line of a trunk sewer at South Bend, Ind.



Bridges (Continued)

two rein.-con., abutments, both in Ashland Co., to W. P. Townsend, Greenville, $13,501 and $8,868 resectively—4 concrete bridges and 2 culverts Hocking Co., to Wellston Lumber Co., Wellston, $13,836—concrete beam bridge, Butler Co., to H. L. Brite, Winton and Miles Sts., Mt. Healthy, Cincinnati, $10,457—concrete beam bridge and approaches and one slab bridge, Mahoning Co., to E. E. Miller, Canfield, $13,565—steel truss bridge Erie Co., to Standard Engr. Co., Toledo, $85,300—bridge and culverts Preble Co., to Hunt Bros. Co., Greenville, $7,869—widening concrete bridge in Columbiana Co., to F. L. Cox, Kensington, $3,903. Grand total $184,801. Noted Aug. 9.

South Dakota—State Hy. Comn., Pierre, Bridges on F.A.P. 173-F, Hand Co. and F.A.P. 194-E, Buffalo Co., to Diamond Eng. Co., Grand Islands, Neb., $5,343 and $3,348 respectively—F.A.P. 6-C, Mood Co., to Noonan-Hyde Co., Watertown, $5,608—F.A.P. 15-B, Lawrence Co., to Pioneer Bridge Co., Mitchell, $6,938—F.A.P. 2 and 232 Lincoln Co., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $12,267. Grand total $33,504.

Montana—State Hy. Comn., Helena, Tock Creek Bridge, Carbon Co., and 2 I-beam bridges on Yellowstone Trail Rd., Rosebud Co., to W. P. Roscoe, Billings, $5,588 and $21,772 respectively — 244.5 ft. concrete bridge, Helena Boulder Rd., Jefferson Co. and Big Hole River Bridge, Beaverhead and Madison Counties, to McGuire & Blakeslee, Great Falls, $29,866 and $29,885 respectively—bridges on Project 248-A, Jefferson Co., to Montgomery & Son, Chinook, $21,162. Grand total, $108,273.

Missouri — State Hy Comn., Jefferson City, to List & Weatherly, Kansas City, 80 ft. arch, ten 40 ft. rein.-con deck girder spans, over Spring River overflow, $33,038, 77.5 ft. 100 ft. 122.5 ft. arch, seven 40 ft. rein.-on. deck girder spans, over Spring River, $49,137, eleven 35 ft., two 45 ft. rein.-con. deck girder spans over Missouri Pacific R.R. tracks, $38,589, all Jasper Co.—to Carte-Harlin Constr. Co., West Plains, three 40 ft. rein.-con. deck girder spans over Clubb Creek, $9,865, four 20 ft. rein.-con. slab spans, over Clubb Creek overflow, $6,594, two 6 ft. rein.-con. slab spans over creek, $886, all Bollinger Co.—to John Spitcaufsky, Kansas City, two 9 ft. rein.-con. slab spans, over Haines Creek, $1,932, two 10 ft. rein.-con. slab spans over Clubb Creek, $2,879, two 11 ft. rein.-con. slab spans over Wisdom Creek, $2,436, 40 ft. rein.-con. deck girder spans over Corman Creek, $5,453, all Benton Co.—to A. A. Davis, Kansas City, 35 ft., 40 ft., 45 ft. rein.-con. deck girder spans over Portopen Bay, $9,825, three 30 ft. rein.-con. deck girder spans over D.D.18, $6,858, 45 ft. rein.-con. deck girder spans over D.D.37, $4,333, all New Madrid Co.—to G. W. Condon, Omaha, Neb., two 25 ft., eight 40 ft. rein.-con. deck girder and one 120 ft. steel truss spans over 102 River, $38,229, three 20 ft. rein.-con. slab spans over 102 River overflow, $5,675, Nodaway Co., 80 ft. steel truss, two 40 ft. rein.-con. deck girder spans, over Squaw Creek, D.D., Holt Co., $16,640—to Penzel & Lemaster, Jackson, two 50 ft., one 40 ft. rein.-con. deck girder spans over railroad tracks, $13,333, one 80 ft. steel truss, two 45 ft. rein.-con. deck girder spans, $16,106, Cape Girardeau Co.—to A. P. Poirot, Belleville, Ill., two 10 ft. rein.-con. slab spans over creek, Iron Co., $3,025—to Millers Garage, Inc., St. Louis, five 30 ft. rein.-con. deck girder spans over Flat River, St. Francois Co., $16,773. Grand total $281,607. Noted June 21.

Mo., St. Louis—Bd. P. Serv., City Hall, 250 ft. rein.-con. viaduct over River Des Peres at Alabama Ave., to J. J. Bailey, 8180 Pershing Ave. $86,631. Noted July 12.

Mo., St. Louis—Bd. P. Serv., City Hall, earth embankment for approaches to Arsenal Street Viaduct over River Des Peres, to Excavating Co., Central Natl. Bank Bldg., for St. Louis & San Francisco R.R. Co., $57,946. Noted July 12.

Wash., Seattle—Bd. P. Wks., bridge on Lawton Way to C. J. Erickson, Henry Bldg., $84,481.

Calif., Los Angeles—Retaining structure adjacent to Riverside Dr.-Dayton Bridge, also grading 3,095 cu.yd. F. concrete to Engstrum Co., 4953 Hollywood Blvd., Los Angeles, $73,385.

Calif., Ventura—Ventura Co., constructing Bardsdale Bridge, to C. Fisher, Chamber of Commerce Bldg., Los Angeles, $138,835. Noted Aug. 9.

Dams

Proposed Work

Colo., Creede—San Luis Valley Development Corp., R. E. Sellers, reservoir and development in San Luis Valley dam 17 mi. northwest of here. M. C. Hinelider, Denver, engr.

Contracts Awarded

Ontario—Province of Ontario and Dominion Govt., Ottawa, storage dam at Ear Falls on English River, to Morrow & Beatty, 442½ George St., Peterborough. Est. $750,000.

Railways

Proposed Work

Alabama—Louisville & Nashville R.R. Co., W. H. Courtenay, ch. engr., Louisville, Ky., plans constructing freight yards and terminals and track work to serve Mobile Dock Works. $1,250,000.

Texas—City, and Rock Island Ry., C. H. Morse, ch. engr., Chicago, Rock Island & Pacific Ry. Co., Chicago, Ill., plan grade separation at East 4th St. and Rock Island Ry., Fort Worth. $150,000. D. L. Lewis, Fort Worth, city engr.

Texas—Phillips Petroleum Co., Bartlesville, Okla., constructing standard gauge rail line 4½ mi. long, from carbon black plant Sect. 16 Blk. Y, Hutchinson Co., to Borger, $40,000. Owner builds.

California—Turlock & Eastern R.R. Co., W. F. Beard, pres., 726 10th St., Modesto, plans 5 mi. railroad between Turlock and Cortez on Sante Fe R.R. line. $250,000.

California and Oregon—Southern Pacific R.R. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, grading 97 mi. to connect Klamath Falls, Oregon, and Alturas, Calif. Private plans.

Quebec—Quebec and Chibougamau Ry. in Lake St., John Dist., 2d division from Herbertville to Dolbeau, 60 mi. east and north of Lake St., John, also 40 mi. branch line to Chicoutimi, to A. Deslauriers, Ltd., Quebec.

Contracts Awarded

Pennsylvania — Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Streets Station, Phila., general contract relocating 6 mi. track, incl. passenger stations, between Glen Osborne and Fair Oaks, incl., 1 story, 40 x 102 ft., concrete freight house, 5 concrete undercrossings, 125 ft. long and 25 ft. clearance at Sewickley, to W. F. Trimble & Sons, 1719 Penn Ave., Pittsburgh. Est. $4,000,000.

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Missouri Pacific Bldg., St. Louis, 1.5 mi. track, in yards at Leeds, own forces; grading, culverts for same, to Ross-Wogan Co., Kansas City.

Texas—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, Mo., 37 mi. railway on Gulf Coast Lines, and 81 mi. colored light signal system on International Great Northern R.R., to General Railway Signal Co., Railway Exch. Bldg., St. Louis, Mo.

Ontario—Windsor Hydro Rys., Windsor, A. F. McGill, ch. engr., 3,000 lin.ft. double track, to S. P. West Constr. Co., Detroit St., Sandwich, $35,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Lynn—City, Chamber of Commerce, 23 Central Ave., plans bulkhead and dredging flats. $250,000. City Engr., Dpt. Ways & Drainage, City Hall and Knolles-Morris, Westinghouse Bldg., Pittsburgh, Pa., engrs. Noted Jan. 5.

N. J., Trenton—City Comn., Mercer Co., concrete bulkheads along Municipal Dock. $25,000. A. C. Gregory, Trenton, engr.

Ark., Pine Bluff—Sud. Dist. 1 of Bradley D. D. c/o Coleman & Gantt attorneys, clean out old ditches and construct some new levee, $25,000 or more. E. B. Reynolds and E. Hale, 203 Natl. Bank Bldg., engrs.

Tex., La Feria—La Feria Irrigation Dist., c/o W. Amthor, engr. and mgr., surveys, well and open drainage and concrete parts of canal system. $350,000.

Calif., San Pedro — City Los Angeles Harbor, Comn., making specification dredging 650,000 cu.yd. in Slips 1 and 5. G. F. Nicholson, Berth 90, San Pedro, engr.

Bids Desired

Miss., Holly Srings—Aug. 22, by Comrs. at office Smith & Smith, attorneys, 771,200 cu.yd. excav., 32.13 mi. canals, for Pigeon Roost Creek D. D. J. C. Tucker, secy. $79,024. S. McCleskey, Memphis, engr.

O. Cincinnati—Aug. 24, by Comrs. Hamilton Co., constructing retaining wall and filling in Muddy Creek, North of Cincinnati Ave. $28,050. E. A. Gast., Court House, engr.

Minn., Minneapolis—Aug. 28, by A. P. Erickson, aud. Hennepin Co., Judicial Ditch 6,750 cu.yd. open ditch, 15,700 ft. 12- to 24-in. clay or concrete, 95,300 ft. 1- to 10-in. clay tile, etc. $30,000. S. P. Norling, 225 Gateway Bank Bldg., engr.

Calif., San Pedro—Aug. 22, by Los Angeles City Harbor, 500,000 cu.yd. shoal dredging in various slips. G. F. Nicholson, Berth 90, San Pedro, engr.

Ont., Kingston—Aug. 17, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging.

Contracts Awarded

Mass., Winthrop—Commonwealth of Massachusetts, Dpt. P. Wks., State House, Boston, dredging 20,000 cu.yd. not less than 6 ft. mean low water, Pleasant Park Yacht Club, to Bay State Dredging & Contr. Co., 62 Condor St., East Boston, $9,820.

N. Y., Buffalo—C. Fisk, comr. P. Wks., Municipal Bldg., dredging channel at Buffalo Inner Harbor to Great Lakes Dredge & Dock Co., Morgan Bldg., at $0.365. Noted May 31.

Md., Baltimore—Mayor and City Council, dredging in harbor, to Arundel Corp., Pier 4, Pratt St., Item 1 $0.52, Item 2 $0.30, Item 3 $0.50, Item 4 $0.35, Item 5 $0.60:

La., Crowley—Sixth Ward D. D. H. E. Lewis, pres., 42 mil open ditches incl. 400,000 cu.yd. excav., to Kenyon Dredging Co., Houston, Tex., $39,840.

Illinois—Dpt. Purchases and Constr. Div. Waterways, State House, Springeld, excavating in Marseilles Canal, Starved Rock, Marseilles, Dresden Island and Brandon Rd. Pools, Contr. 9, to W. E. Callahan Constr. Co., Arcade Bldg., St. Louis, Mo. $597,500 and dredging channels in river to Congress Constr. Co., 506 South Wabash Ave., Chicago, $856,800. Noted Aug. 9.

Ontario—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging at Goderich, to W. L. Forrest, Goderich; $43,000, dredging at Sarnia, to Canadian Dredging Co., Midland, $178,000; dredging at Owen Sound, and Little Current, Manitoulin Islands, to Randolph MacDonald Co., Toronto, $96,900 and $96,000 respectively. Grand total, $413,900. Noted July 12.

Ont., Port Arthur—S. E. O'Brien, secy., Dpt. P. Wks., Ottawa, rubble mound breakwater addition, to Chambers, McQuigge, McCaffrey, Co., Ltd., Excel Life Bldg., Toronto, $750,000. Noted June 28.

Streets and Roads

Proposed Work

Mass., West Roxbury (sta. Boston) — Dpt. P. Wks., State House, Boston, plans laying out and reconstructing Starford St., Elven, Russett and Woodward Rds. as highways. $25,000 or more. J. H. Sullivan, comr.

N. J., Hillside (br. Elizabeth) — Twp. Comn., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete or 7 in. rein.-con. paving Bond and Clark Sts. $78,960; Mertz Ave. $27,845; Fitzpatrick St., $25,605; Chapman St., $31,800; Penna. Ave. $25,435; curbing sheet asphalt on 6 in. concrete or 7 in. rein.-con. paving Ryan St. $37,000; Thomas St. $26,975. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., North Bergen (Ind. br. Weehawken)—Twp. Comn., Town Hall, grading, sheet asphalt on concrete repaving Hoyer St., Carsten Ave. and Midway Pl. $28,700. R. B. Glenn, Town Hall, town engr.

N. J., Weehawken — Twp. Com., Town Hall, grading, sheet asphalt on concrete

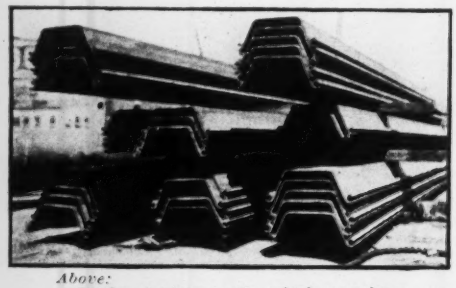
Constr. News page 89

On the job . . .

Installations prove the *success* of the new 16-inch x 5-inch Deep-Arch Lackawanna Piling

DURING the short period this Deep-Arch Piling Section has been on the market it has been used successfully on numerous jobs, several of which are shown in the accompanying photographs.

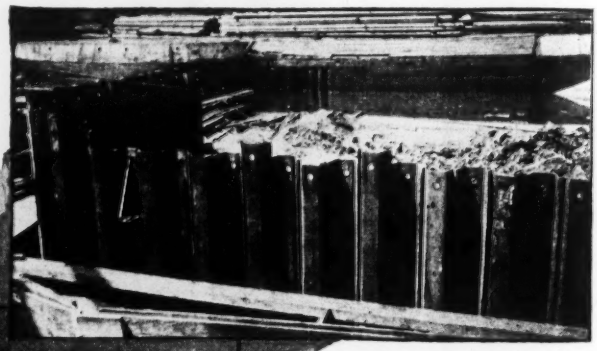
The new section has fulfilled every claim. It combines very high strength with low weight per square foot of wall. Extensive shop and laboratory tests of the Deep-Arch Piling have demonstrated the high transverse strength indicated by the section modulus, the strength to resist heavy concentrated loads and the strength of the interlock. Long lengths of this piling have been successfully driven through both fine sand and stiff clay.



Above:
Stacks of 60-foot piles which were later successfully driven through 55 feet of sand—Brooklyn, N. Y.

Further information about the new Deep-Arch Lackawanna Piling can be obtained from the nearest Bethlehem District Office.

Above:
In Hamilton, Ontario —a dock wall, showing the Deep-Arch Piling being driven through 38 feet of very stiff clay.

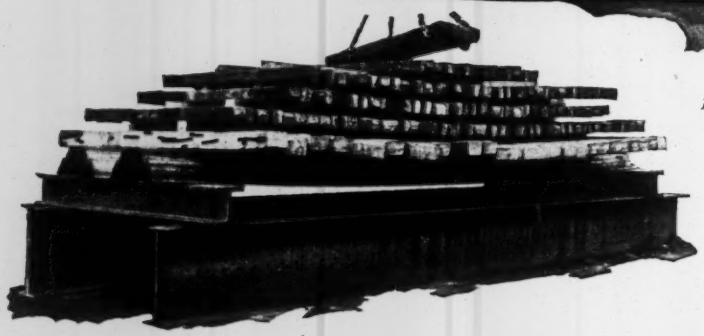


Above:
In Brooklyn, N. Y. —a cut-off wall of this new section.

Right:
Lowell, Mass. —a corner of a cofferdam which demonstrated the watertightness of this Deep-Arch Piling.

Features of the 16-inch x 5-inch Deep-Arch Section

Nominal Width	16 in.
Nominal depth	5 in.
Web thickness	3/8 in.
Wt. per ft. of pile	33.3 lbs.
Wt. per sq. ft. of wall	25 lbs.
Section modulus per ft. of wall	
Single	10.07 in.^{3}
Interlocked	16.14 in.^{3}



Left:
—four 16-inch Deep-Arch Sections of Lackawanna Steel Sheet Piling—20-foot span—being subjected to a bending test by loading with steel billets.

BETHLEHEM STEEL COMPANY
General Offices: Bethlehem, Pa.

District Offices—New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Detroit, Cincinnati, Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.

Bethlehem Steel Export Corporation, New York
Sole Exporter of our Commercial Products

BETHLEHEM

Streets and Roads (Continued)

paving West 18th St. $25,000. Engineer not selected.

N. C., Lexington—Pave or treat with tar products 2 mi. $25,000-$45,000.

La., Rayville — Grading, curbing, hard surfacing, various streets. $250,000. M. L. Culley, Lampton Bldg., Jackson Miss., engr.

Bids Desired

Massachusetts—Aug. 21, by Dpt. P. Wks., State House, Boston, gravel and bituminous paving 15,160 ft. hy. in West Boylston, Groton, Phillipston, Carlisle — bituminous macadam paving 33,774 ft. Athol, Phillipston, Peabody, and Andover—grading 6,900 ft. hy. in Sutton. W. F. Williams, comr.

Massachusetts—Aug. 21 by Dpt. P. Wks., State House, Boston, bituminous macadam paving 8,936 ft. hy. and 132 ft. steel truss span bridge in Northampton and Easthampton. W. F. Williams, comr.

Mass., Boston—Aug. 14 by Dpt. P. Wks., sheet asphalt or bitulithic paving in Wards 13, 14 and 17, $25,000. J. H. Sullivan, comr.

New York—Aug. 31, by A. W. Brandt, comr. Highways, Albany, improving highways in Monroe, Nassau, Onondaga, Ontario and Yates, Rensselaer, Tompkins and Wyoming Counties; reconstructing Cayuga and Onondaga, Oneida, Ontario and Yates, Otsego, Rennselaer, Schuyler and Wyoming Counties; adv. E. N.-R. Aug. 16.

N. Y., Brooklyn—Aug. 22, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Gardner Ave., Linden Blvd., and East 9th St.; grading, granite on concrete paving West 9th St. and Flushing Ave.; bituminous macadam paving Avenue L; grading, sheet asphalt on concrete paving Prospect Park West, Avenue S, East 40th, East 98th West 5th Sts.

N. Y., St. George—Aug. 22, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Richmond Rd. and granite block repaving on concrete paving Manor Rd., Van Duzer St., and Bway.

N. Y., Syracuse—Aug. 20, by Bd. Contract & Supply, grading, Cadillac St., sidewalks in Henford Rd. Jay and Surbeck Sts., Sumner, North and Ackerman Aves., N. F. Pitts, Jr., State Town Bldg., city engr.

New Jersey — Aug. 27, by State Hy. Comn., Trenton, grading, draining, bituminous macadam paving, etc. Route 1 extension, Sect. 13, Contr. 18, Stockton St. Connection, between Avenue Q and Delancy St., Newark, Essex Co.; adv. E. N.-R. Aug. 16.

N. J., Asbury Park—Sept. 5, by Bd. Freeholders Monmouth Co., Freehold, reconstructing 0.65 mi. Asbury Ave. Rd. 36, Sect. 1, from Asbury Park City line to State Route 35. G. K. Allen, 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Aug. 16.

N. J., Belvidere — Sept. 5, Bd. Freeholders Warren Co., rein.-con., paving Still Valley-Harmony Rd.; adv. E. N.-R. Aug. 16.

N. J., Cape May—Aug. 29, by Bd. Freeholders Cape May Co., Courthouse, paving portion Tuckahoe Rd., Sect. 2, Upper Twp. R. F. Smith, Cape May Co. engr.; adv. E. N.-R. Aug. 16.

N. J., New Providence—Aug. 18, by Twp. Com., Township Hall, concrete sidewalks on Plainfield Ave. $25,000. J. J. Krentz, 23 Maple St., Summit, twp. engr.

Delaware—Sept. 4, by State Hy. Dpt., Dover, grading, cement concrete paving, or cement concrete (slag aggregate) paving 3.77 mi. Contr. 90, Bay State Rd.—concrete (slag aggregate) of sand asphalt surfacing 4.15 mi. Contr. CS-63-A; adv. E. N.-R. Aug. 16.

Maryland — Aug. 22, by Bd. Awards, grading and top soil Contr. 469; sheet asphalt paving Contr. 479, Baltimore Co. N. L. Smith, highways engr.

La., New Orleans — Aug. 29, by City Council, curbing, paving 24 blocks Cleveland Ave. from South Claiborne to South Carrollton $125,000—8 blocks Baronne St., from Canal to Howard Ave. $75,000—18 blocks Baronne St. from Louisiana to Dufossat St. $110,000—6 blocks Bartholomew from Charters to St. Claude Ave. $30,000—12 blocks Cambronne St., from Freret to Sycamore $60,000—city engr.

La., New Orleans — Aug. 30, by City Council, sidewalks concrete 24 blocks Cleveland Ave. $25,000.

Kentucky—Aug. 31, by State Hy. Comn., at office State Hy. Engr., Old Capitol Bldg., Frankfort, surfacing 5.4 mi. S. P. 40 B-S, Barren Co.—9.4 mi. S. P. 12 A-S, Grayson Co.—7.7 mi. S.P. 12 B-S, Hardin Co.—3.6 mi. S P 30 A-S, Madison Co—and 1.506 lin.ft. S. P. 47 Q-S, Carter Co., J. S. Watkins, hy. engr.

O., Portsmouth—G. H. Lyon, dir. Serv., taking bids widening roadway and asphalt resurfacing 3,805 ft. Gallia St., $32,000. C. S. Stevenson, City Hall, engr.

Michigan — Aug. 23, by C. L. Cowgill, resident engr., Plymouth, concrete paving 1.179 mi. MO63-3, Contr. 9, 20 ft., Oakland Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 29, at office City Clerk, Hastings, concrete paving and widening 0.623 mi. MO8-20, C-1, Barry Co., 20 ft., for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, resident engr.

Michigan—Sept. 6, by G. H. Green, resident engr., concrete paving 6.530 mi. FO6-14, C-1, 20 ft., Arenac Co., for State Hy. Dpt., Lansing.

Ill., Chicago—Aug. 21, by Bd. Local Impvt. M. F. Faherty, pres., grading, asphalt and concrete paving, sewers, water service pipes, etc.

Wisconsin—Aug. 21, by State Hy. Comn., Court House, La Crosse, 24 ft. feathered edge fine crushed stone surfacing 6,300 cu.yd. Viroqua-Genoa Rd., Project 5982, Vernon Co. T. M. Reynolds, div. engr.

Wis., Wauwatosa — Aug. 23, by W. J. Cary, clk., Milwaukee Co., grading, curbing, asphalt paving 20,700 sq.yd. Menomonee River Parkway. W. C. Kavanaough, Milwaukee, co. hy. comr.

Minn., Duluth—Aug. 21, by G. P. Phillips, city comr., 8 in. one-course concrete paving 2,000 ft. Michigan St., 53 ft. $63,000. J. Wilson, city engr. Noted May 24.

Kan., Ft. Scott — Aug. 30, by Clerk Bourden Co., grading, bituminous macadam paving 52,384 sq.yd. Federal Aid Project 335-A, 18 ft., H. C. McCinley, engr.

Kan., Newton—Sept. 5, by Clerk Harvey Co., grading, concrete paving 11.045 mi. Project 560, 30 ft. R. J. Justine, Newton, engr. Noted July 5.

Kan., Willington — Aug. 23, by Clerk Sumner Co., grading, etc., 14,319 mi. Project 667-A, 30 ft., J. W. Mavity, engr.

Tex., Dallas—Aug. 30, by C. E. Gross, aud. Dallas Co., concrete paving 4,000 sq.yd. in Wilmer and constructing portion of Buckner Memorial Blvd.

Colorado—Aug. 22, by State Hy. Dpt., Denver, grading, gravel surfacing 2.414 mi. Hy. 10, Federal Aid Project 298-B, Archulita Co., L. D. Blauvelt, State Office Bldg., Denver, engr.

Colorado—State Hy. Dpt., Denver, taking new bids gravel surfacing 2.43 mi. Fremont Co. L. D. Blauvelt, Denver, engr.

N. M., Clovis — Taking bids alternate types paving streets. $127,000. Devlin Eng. Co., 715 Fisk Medical Bldg., Amarillo, Tex., engr.

California—Aug. 22, by C. H. Purcell, State Hy. engr., grading, asphaltic concrete paving 1.8 mi. highway between North Sacramento and Del Paso Park, Sacramento Co., $25,000.

California—Aug. 29, by State Hy. Comn., Sacramento, grading, oil treated crushed gravel or stone surfacing 2.2 mi. San Joaquin Co., 22.1 mi. Riverside Co.—widening asphaltic concrete paving 6.1 mi. Tulare Co.—grading 5 mi. Glenn Co., C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., San Diego—Aug. 27, by Common Council, grading, curbing, guttering, 2 in. asphalt on 6 in. concrete paving 252,359 sq.ft. Garmet St., 1½ in. asphalt on 5 in. concrete paving 105,003 sq.ft., 6 in. asphaltic concrete paving 42nd and other streets. H. W. Jorgensen, engr.

Contracts Awarded

Massachusetts—Dpt. P. Wks., State House, Boston, bituminous macadam paving 3,000 ft. hy. in Templeton, to J. J. McHugh, Leicester, $25,334—4,521 ft. Randolph, to Powers Bros., Brockton, $32,803—17,065 ft. Templeton and bituminous concrete paving 11,900 ft. Duxbury and Kingston, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $147,714 and $48,910 respectively—gravel and bituminous macadam paving 11,826 ft. Hadley to Kelleher Corp., Turners Falls, $50,234—10,140 ft. Warwick, to Fitchburg Constr. Co., Fitchburg, $37,922—3,095 ft. Berkley and Freetown, to Cadedy Constr. Co., Clifford, $13,471—rein.-con bridge in Heath, to M. Siano, 203 Deerfield St., Greenfield, $4,787 and bridge in North Adams to P. J. Kennedy & Co., Holyoke, $13,492. Grand total $374,667. Noted July 26.

Mass., Boston — Dpt. P. Wks., recut granite block paving in East Boston to A. DeStefano, 288 Summer St., $52,217. Noted July 19.

Mass., Boston—J. H. Sullivan, comr., Dept., P. Wks., sheet asphalt paving Ogden St. to M. DeMatteo, 14 Rowe Place, Rosindale, $25,362. Noted Aug. 9.

Mass., Boston—J. H. Sullivan, comr. Dept. P. Works, recut granite block paving Hanover St., to S. J. Tomasello, 11 Cushing Terrace, Dorchester, $33,742.

Mass., Boston—Dpt. P. Wks., sheet asphalt paving Harrison Ave., Wards 8 and 9 to B. E. Grant, 100 Floyd St., Roxbury, $49,849. Noted July 26.

Mass., Longmeadow (mail Springfield)—Bd. Selectmen, 417 Longmeadow St., constructing 5,954 ft. gravel and bituminous macadam road, to A. Bianchi, 98 Lincoln Park. Est. 25,000. Noted July 5.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving South Ave. to J. E. Donovan Co., 2207 Richmond Terrace, Port Richmond, $16,784. Noted July 26.

N. J., Hillside (br. Elizabeth) — Twp. Com., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete paving Irvington Ave., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $27,600. Noted July 5.

N. J., New Brunswick—Bd. City Comrs., City Hall, curbing, sheet asphalt on 6 in. rein.-con paving Guilden, Powers and Ward Sts., to Utility Constr. Co., 5 Spring St., New Brunswick, $28,642. Noted June 7.

N. J., North Bergen (br. Weehawken)—Twp. Comn., Twp. Hall, reconstruction various streets, to Clinton Asphalt Co., 308 16th St., Union City, $67,723. Noted July 12.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Frank Mark Contg. Co., N and Winghocking Sts., grading Arbor St., $1,188—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt repaving (assessment work) Musgrave St., $4,388, asphalt repaving 29th St., $30,459—to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving (assessment work) 50th St., $3,717, asphalt repaving Moore St., $14,661—to F. A. Canuso & Sons, 804 South 12th St., smooth dressed granite block repaving Chestnut St., $14,975—to Eastern Asphalt Co., Penna Bldg., asphalt repaving Aspen and Fairmount Sts., $25,040, Saunders St., $11,808, 50th St., $12,974—to Union Paving Co., 123 South 21st St., Market St., $249,741, asphalt resurfacing (heater method) streets in Group 7, $55,615—to C. G. Centrone, 522 North 65th St., redressed granite block repaving Sansom St., $23,415 — to J. Salvucci, 512 North 65th St., 8th St., $65,755—to T. J. Reilly, 36 South 44th St., widening north shoulder Market St., $5,529—to Barber Asphalt Co., E St. and Hunting Park Ave., (heated method) asphalt resurfacing streets in Group 6, $69,887—to Montgomery Iron & Steel Co., 918 West Berks St., structural steel for reconstructing deck of City Avenue Bridge over Schuylkill River, $2,222—and to Kaufman Constr. Co., 26 South 15th St., electrifying Penrose Ferry Bridge over Schuylkill River, $9,710. Grand total $601,084. Noted July 26.

Maryland — State Roads Comn., Baltimore, concrete paving 0.91 mi. Contr. F-105, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $17,934—0.59 mi. Contr. Wo-58, Worcester Co., to Layfield & Waller Paving Co., Salisbury, $11,115—0.46 mi. Contr. Wo-59, Worcester Co., to Hannemann-Burroughs Co., Salisbury, $8,040. Grand total $37,089.

Maryland — State Roads Comn., Baltimore, concrete shoulders and concrete paving 1 mi. Contr. M-115, to Loomis Contg. Co., 3532 M. St., Wash., D. C., $10,775—concrete paving 2.9 mi. Contr. M-99, to L. R. Colbert, Fredericksburg, Va., $45,830—penetration macadam paving 2 mi. Contr. M-102, to Development & Contg. Co., Amer. Bldg., Baltimore, $52,545, all foregoing in Montgomery Co. Grand total $109,150. Noted July 5 and 26.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,700 sq.yd. Contr. 472, to P. Flanigan & Sons, Harford Rd. and Baltimore and Ohio R.R., $40,136; grading 10,000 cu.yd. Contr. 473, to Potts & Callahan, Knickerbocker Bldg., $3,300.

Md., Baltimore — Bd. Awards, concrete paving 10,560 sq.yd. Contr. 474, to Mahoney Bros., 1111 Rutland Ave., $26,433; concrete alleys in Alley Contr. 129, to A. Apicella, 2907 McElderry St., $17,338. Noted July 26.

Ala., Tuscaloosa—City, 2 in. asphalt resurfacing University Ave., to Hooper Winston Constr. Co., Auburn, $11,302 and 2 in. asphalt on 6 in. concrete paving Hackberry Land, 10th St. and 10th Ave., to Murphy & Walters, Troy, $23,253.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, 4.704 mi. Guernsey Co., to I. Putnam, Van Wert, $48,735—0.329 mi. Gallia Co., to J. W. Bartlow Dayton, $24,262—concrete paving 0.669 mi. Tuscarawas Co., to W. M. Brode Co., Newcomerstown, $16,667—0.7 mi. Hamilton Co., to J. L. Raudebaugh, Montgomery, $33,725—brick paving 1.424 mi. Cuyahoga Co., to Highway

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Streets and Roads (Continued)

Constr. Co., Guarantee Title Bldg., Cleveland, $144,349—2.5331 mi. Lucas Co., to L. C. Love, Sidney, $11,579—surface treating 2.81 mi. Wyandot Co. ,to U. S. Constr. Co., Upper Sandusky, $2,211 — surface treating in various sections in Marion and Union Counties to C. B. Weymouth, Bellfontaine, $10,226 — bituminous macadam paving 4.359 mi. Ashtabula Co., to B. P. Putnam, Columbus, $41,004 — brick and concrete paving 2.7147 mi. Lucas Co., to G. L. LaBoiteaux, Toledo, $133,898—grading, brick resurfacing 0.180 mi. Erie Co., to Standard Engr. Co., Toledo, $23,150—resurfacing shoulders, slopes and ditches and repaving 4.108 mi. Mahoning Co., to E. E. Miller, Canfield, $71,230. Grand total $561,036. Noted Aug. 9.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, widening, brick paving 0.119 mi. Huron Co., to A. J. Baltes, Norwalk, $21,-817—0133 mi. thens Co., to F. H. Beckler, Athens, $23,233—concrete paving 5.120 mi. and 0.919 mi. both in Richland Co., to R. R. Heffner, Celina, $115,666 and $28,621 respectively, waterbound macadam paving 3.322 mi. Delaware Co., to Edwards Constr. Co., Sunbury, $55,014—5.83 mi. Wood Co., to W. S. Flarety, Woodville, $133,155, and concrete paving 7.196 mi. Fayette Co., to C. O. Baldwin, Hillsboro, $115,737. Grand total $493,243. Noted Aug. 9.

O., Cincinnati—C. O. Sherrill, city mgr., grading, curbing, vitr. brick concrete paving 6,500 sq.yd. Westwood Ave., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., $92,-763—grading, concrete paving 4,750 sq.yd. Franklin Ave., to Murdock Constr. Co., 4701 Main Ave., Norwood, $20,766—14,700 sq.yd. Glenway Ave., to Hannon-Hughes Constr. Co., 911 Atlas Banks, $61,318—6,600 sq.yd. Roe Sr., to E. Wagner & Son, 6760 Doone St., Norwood. $24,523. Grand total $199,370. Noted July 12.

O., Cleveland—Comrs. Cuyahoga Co., 3 in. vitr. brick on 9 in. concrete paving Anderson Rd., to F. W. Stollfus, Western Reserve Bldg., $135,694. Noted May 24.

O., Maple Heights (br. Cleveland)—Bituminous paving 4,000 sq.yd. Watson Rd., to A. M. Pejsa Paving Co., 3161 East Derbyshire Rd., Cleveland, $31,174. Noted Aug. 9.

O., Parma Heights (br. Cleveland) — Concrete paving Parma Park Blvd. and Beresford Ave., to Loesch & Green Constr. Co., 4169 Pearl Rd., Cleveland $56,000 and $47,233 respectively. Noted July 26.

Ind., Anderson — Madison Co., concrete paving 1½ mi. Pitt and Dewey Sts., to W. McVaugh, Anderson, $30,080.

Ind., Connersville—City Council, concrete paving streets, to W. D. Vogel, 702 West Morris St., Indianapolis, $47,766.

Ind., Crown Point—Comrs. Lake Co., asphaltic concrete paving Erick Lund Rd., to Ahlborn & Lavene, Hammond, $83,900. Noted July 26.

Ind., Goshen—Comrs. Elkhart Co., concrete paving W-3 Rd., to Seaman Constr. Co., Goshen, $57,500, A-4 Rd., to Concord Constr. Co., Elkhart, $12,800, J-5 Rd., to Fhend & Brown, Milford, $16,900. Grand total $87,200. Noted July 26.

Ind., Jeffersonville—City Council, concrete paving Locust and Pratt Sts., to T. F. O'Neil, Jeffersonville, $34,663.

Ind., Lafayette—Comrs. Tippecanoe Co., concrete paving J. H. Mahoney Rd., to D. M. Vaughn, Lafayette, $67,833.

Michigan — R. A. Beers, resident engr., Kalamazoo, graveling 8.84 mi. MO8-18, C-1, 18 ft., Barry Co., to L. D. Cool, Hastings, for State Hy. Dpt., Lansing, $97,843. Noted July 12.

Michigan — G. H. Green, resident engr., Alpena, graveling 3.975 mi. F935-8, C-1, 18 ft., Iosco Co., to C. McComb, Algonac, for State Hy. Dpt., Lansing, $87,652. Noted June 28.

Michigan — G. H. Green, resident engr., Alpena, graveling 3.070 mi. FO65-6, C-1, 18 ft., Ogemaw Co., to C. McComb, Algonac, for State Hy. Dpt., Lansing, $54,953. Noted June 7.

Michigan—G. H. Green, resident engr., Alpena, graveling 5.938 mi. MO69-5, C-1, 18 ft., Otsego Co., to Pickett & Goodwin Bros., Allegan, for State Hy. Dpt., Lansing, $81,694. Noted July 19.

Michigan—H. G. Oakes, resident engr., Cadillac, graveling 4.612 mi. MO57-16, C-1, 18 ft., Missaukee Co., to W. H. Killiland, Gladwin, for State Hy. Dpt., Lansing, $85,-853. Noted June 28.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 6.156 mi. MO44-21, C-1, 20 ft., Lapeer Co., and 2.503 mi. MO25-16, C-1, 20 ft., Genesee Co., to A. Jeffrey, Saginaw, for State Hy. Dpt., Lansing, $241,809 and $103,630. Noted July 12.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 0.432 mi. MO73-8, C-1, 20 ft., Saginaw Co., to T. McNally, Saginaw, for State Hy. Dpt., Lansing, $36,152.

Wisconsin—State Hy. Comn., Lancaster, concrete paving Dubuque-Platteville Rd., Project 451-A and 9294, Grant Co., to Uhlrich-Paley Co., Dubuque, Ia. $79,719.

South Dakota—State Hy. Comn., Pierre, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., grading 13,124 mi. Hand Co., $30,857, 4.926 mi. Lincoln Co., $15,003—to Dowd Bros. & Noonan-Doyle Co., Watertown, 8.145 mi. Buffalo Co., $31,813—to Summit Constr. Co., Summit, graveling 8 mi. Kingsbury Co. $4,871, 16.741 mi. Gregory Co. $13,388, 13.691 mi. Brule Co. $9,733, 9.879 mi. Buffalo Co. $6,259, 20.25 mi. Sanborn Co. $18,743, patching and stockpiling 9.42 mi. Pennington Co. $3,799—to T. J. Tobin Constr. Co., Madison, 16.2 mi. Jones Co. $26,109—to Van & Van, Hull, Ia., 7 mi. Turner Co. $7,262—12.219 mi. Spink Co. $7,491—to T. E. Sheehan Constr. Co., Sioux Falls, 1.2 mi. Spink and Beadle Counties $10,509, 12.016 mi. Spink Co. $18,082, 28.025 mi. Corson Co. $29,551, 27.717 mi. Dewey and Corson Counties $44,950—to Wagner-Erling, Sioux Falls, F.A.P. 236-A, part of 75B and S.A.P. 91 $39,641, 9 mi. Brookings Co. $6,067—to H. Pickus Constr. Co., Sioux City, Ia., $33,519. Grand total $357,647.

Montana — State Hy. Comn., Helena, grading 5.021 mi. Project 248-A, Unit 1, Jefferson Co., and 17.42 mi. Project 131-B, Missoula and Granite Counties, to L. T. Lawler, 306 Lewisohn Bldg., Butte, $99,-535 and $110,458 respectively; 7.354 mi. Project 217-E, Unit 1, Park Co., to Stanley Bros., St. Cloud, Minn., $66,765. Grand total $276,758.

Missouri — State Hy. Comn., Jefferson City, **(R. means Route)** to Carte-Harlin Constr. Co., West Plains, 24 ft. grading 1.623 mi. R. 51-A, Sect. 2, Bollinger Co. $22,458—to J. Spitcaufsky, Kansas City, 30 ft. grading 4.733 mi. R. 65, Sect. 395-E. $48,027 and 4,732 mi. R. 65, Sect. 295-F $27,182, both Benton Co.—to A. A. Davis & Co., Kansas City, 0.288 mi. R. 61, Sect. 140, Pemiscot Co. $1,728, 4.038 mi. Sect. 40-B $26,856, 3.289 mi. Sect. 40-C $21,183, New Madrid Co.—to G. W. Condon, Omaha, Neb., 0.183 mi. R. 1, Sect. 14-A, Holt Co. $2,140, 0.473 mi. R. 18, Sect. 308-A, Nodaway Co. $6,385—to A. W. Mosley, Kansas City, 2.52 mi. R. 65, Sect. 295-D, Benton Co. $10,462—to Penzel & Lemaster, Jackson, 0.582 mi. R. 61, Sect. 289-C, Cape Girardeau Co. $25,709—grading, 18 ft. graveling 1.653 mi. R. 63, Sect. 110-C, Phelps Co. $29,600—to C. E. Hamilton, Carbondale, Ill., grading 1.135 mi. R. 25, Sect. 211-C, Stoddard Co. $1,838, 18 ft. concrete paving same road $16,786, grading and portland cement concrete paving 3.835 mi. R. 25, Sect. 197-B, Stoddard Co. $62,356—to List & Weatherly, Kansas City, 18 ft. chats surfacing 1.413 mi. R. 71, Sect. 305-A, Jasper Co. $45,043—to Millers Garage, Inc., St. Louis, grading, 18 ft. portland cement concrete paving 1.673 mi. R. 32, Sect. 34 $49,899, concrete paving 0.098 mi. R. 32, Sect. 35, $2,548, St. Francois Co., 18 ft. graveling 4.128 mi. R. 4, Sect. 302-A, $8,782, 4.795 mi. R. 4, Sect. 302-B $15,900, 4.48 mi. R. 4, Sect. 302-C $13,980, all Putnam Co.—to M. C. W. Constr. Co., Jackson, 2.803 mi. R. 51, Sect. 208-B, Bollinger Co. $12,808—to Graham Bros., Leeds, 4.372 mi. R. 24, Sect. 301-C, Monroe Co. $27,-017. Grand total $478,690. Noted July 5.

Mo., Plattsburg—T. F. Downey, city clk., City Hall, grading, curbing, 7 in. concrete paving Main, Locust and Maple Sts., to E. D. Tyner Constr. Co., 14th and Elm Sts., Kansas City $22,450. Est. $25,526.

Mo., St. Louis—Bd. P. Serv., City Hall, to Perkinson Bros. Constr. Co., 3237 Carter Ave., 3 in. vitr. brick paving 1,045 sq.yd. Cooper St. $5,793, vibrolithic concrete paving 2,420 sq.yd. Boardman St. $10,355, rein.-con. paving 1,450 sq.yd. Tillie Ave. $7,407; to W. A. Riley, 110 North 7th St., 4 in. vitr. brick paving 1,250 sq.yd. Knox Ave $7,223; to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving 1,265 sq.yd. Fillmore St. $7,033, 1,340 sq.yd. Schollmeyer Ave. $8,158; to Eyermann Contg. Co., 1216 South Grand Blvd., vibrolithic concrete paving 2,160 sq.yd. Quincy St. $9,815; to Alfred Lewald, Inc., 6025 West Cabanne Ave., rein.-con. paving 1,575 sq.yd. Plateau St. $8,010; to M. L. Flinn Paving Co., 728 South Theresa Ave., asphalt paving 1,765 sq.yd. Pennsylvania St. $10,999; to Crean & Scott Constr. Co., Chouteau Trust Bldg., 3,395 sq.yd. McMillan St. $13,349; to Central Paving & Constr. Co., Ambassador Bldg., warrenite paving 7,250 sq.yd. Ashland St. $28,651; to Granite Bituminous Paving Co., Ry. Exch. Bldg., warrenite paving 2,470 sq.yd. New Haven St. $17,351, 1,335 sq.yd. Lawrence St. $9,549; warrenite bitulithic 12,-490 sq.yd. Labadie St. $63,940. Grand total $207,633. Noted June 14.

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Public Bond Elections

Coming Bond Elections

Waterworks—Bismarck, Mo., Sept. 11, $47,000.

Waterworks and Sewers—Richland, Mo., Aug. 24, $65,000.

Waterworks—Gould, Okla., Aug. 21, $30,000.

Sewage System—El Cayon, Calif., $40,000.

Paving—Halletsville, Tex., $75,000.

Paving—Palestine, Tex., Sept. 15, $60,000.

School—Parma (br. Cleveland), Nov. 6, $250,000.

State Building—Los Angeles, Calif., Aug. 28, $1,000,000.

Bonds Voted

Incinerator—Waco, Tex., $30,000, R. E. McAdams, City Mgr.

Paving—Pleasant Hill, Mo., $25,000.

Roads—Waller County, Tex., Prect. 1, $250,000, J. J. Perry, Hempstead, Co. Engr.

Bonds Defeated

Roads—Waller County, Tex., Prect. 6, $100,000.

Paving—Fulton, Mo., $30,000.

Buildings—Commercial

Proposed Work

Me., Augusta—OPERA HOUSE—Colonial Theatre, W. B. Williamson, plans by Bunker & Savage, 254 Water St., remodeling 4 story, basement, 105 x 170 ft., brick, steel, plain found., Water St. $150,000.

Mass., Boston—STORES and OFFICES—Boylston Market Association, c/o Shepard & Stearms, archts., 65 Franklin St., altering 6 story, basement, brick, plain found., stores and offices, Boylston and Washington Sts. Est. $150,000.

Mass., Cambridge—STORE and APARTMENT—F. Hall, c/o E. I. Leeds, archt., 46 Cornhill, Boston, 3 story, basement, 103 x 165 ft. brick, stone, plain found., stores and apartment, 1012-1022 Mass Ave. $200,000.

Mass., Fall River—THEATRE—W. J. Dunn, Academy Bldg., sketches by E. G. Bullard, 908 Purchase St., New Bedford, 1 story, basement, brick, steel, plain found., South Main and Pleasant Sts. $250,000. Noted Feb. 23.

Mass., Great Barrington—HOTEL—O. F. Hall, soon takes bids alterating and reconstructing 4 story, basement, 50 x 125 ft. with 30 x 70 ft. wing, brick, steel, fireproof, plain found., Main St. $150,000. Private plans.

N. Y., Brooklyn — APARTMENT — Browner Constr. Co., 412 Sterling St., plans by E. M. Adelsohn, 26 Court St., 6 story, brick, timber, Clarkson and East 93rd Sts. $225,000.

N. Y., Brooklyn—APARTMENT—Filer Realty Corp., H. Shaffer, pres., 44 Court St., plans by P. Freshman, 50 Court St., brick, timber, Ave. N. and East 34th St. $170,000.

N. Y., Brooklyn—APARTMENT—Katber Realty Corp., J. Katz, pres., 46 East 54th St., plans by W. Levy, 1753 Pitkin St., 6 story, 86 x 100 ft., brick and timber, Ave. C and East 5th St. $200,000.

N. Y., Brooklyn—APARTMENT—Zinbar Realty Co., 301 East 8th St., B. Zunick, pres., plans by Seelig & Finkelstein, 66 Court St., 6 story, brick and timber, 67th St. and 2nd Ave. $250,000.

N. Y., Brooklyn—APARTMENT—Beveridge Court, Inc., L. W. Beveridge, pres., 371 Fulton St., plans by J. N. Linn, 371 Fulton St., 60 x 77 ft., brick, timber addition, East 29th St. and Glenwood Rd. $150,000.

N. Y., Brooklyn—APARTMENT—Eleven Twenty-two Ave. N, Corp., C. Happener, secy., 1122 Ave. N, plans by M. N. Weinstein, 93 Court St., 6 story, 120 x 155 ft., brick, timber, Ave. N and East 12th St. $400,000.

N. Y., Brooklyn—APARTMENT—Twenty-four Hundred Kingshighway Corp., B. Levinson, secy., 177 East 15th St., plans by Seelig & Finkelstein, 66 Court St., 4 story, 117 x 169 ft., brick, timber, Kingshighway and Mansfield Pl. $175,000.

N. Y., Brooklyn—APARTMENTS—Carroll Park View Realty Corp., L. Posner, secy., 611 Empire Blvd., plans by Cohn

Buildings—Commercial (Continued)

Bros., 361 Stone Ave., two 6 story, 111 x 179 ft., brick, timber, President St. and Classon Ave. $700,000.

N. Y., Brooklyn—STORE and APARTMENT—E. & G. Constr. Co., J. Eisenberg, pres., 50 Court St., plans by W. A. Lauren̂za, 26 Court St., 3 story, brick, timber, 18th Ave. and 55th St. $200,000.

N. Y., New York—APARTMENT—Kingsbridge Improvement Corp., S. Kinskoff, pres., 2363 Grand Concourse, plans by E. Roth, 1440 Bway., 19 story, 100 x 250 ft., brick and steel, 43 East 58th St. $3,000,000.

N. Y., New York — APARTMENT — Godmar Realty Co., A. Godoff, pres., 469 7th Ave., plans by Schaefer & Rutkins, 2409 Grand Concourse, 6 story, 86 x 200 ft., brick and timber, 2167 Amsterdam Ave. $375,000.

N. Y., New York — APARTMENT — Brownwall Realty Co., Inc., L. Romenoff, pres., 2034 Davidson Ave., plans by G. W. Swiller, 4215 3rd Ave., 6 story, 135 x 150 ft., brick and timber, Wallace and Bronxdale Aves. $175,000.

N. Y., New York — APARTMENT — B. & C. Nieberg Constr. Corp., B. Nieberg, pres., 4560 Bway., plans by Lang & Rosenberg, 1440 Bway., 6 story, 92 x 279 ft., brick and timber, Sacket Ave. and Williamsbridge Rd. $400,000.

N. Y., New York — APARTMENT — Westland Improvement Co., S. Shapiro, pres., 33 West 42nd St., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 85 x 100 ft., brick, timber, 413 West 24th St. $200,000.

N. Y., New York—BANK and OFFICE—American Exchange-Irving Trust Co., 60 Bway., plans by Voorhees, Gmelin & Walker, 101 Park Ave., 46 story, brick, steel, 1-7 Wall St. $5,000,000. Noted May 10.

N. Y., New York—CLUB and HOTEL—Club Hotel Corp. of New York, H. Barth, pres., 116 West 72nd St., plans by F. M. Andrews, c/o owners, 16 story, 50 x 197 ft., brick and steel, $1,300,000.

N. Y., New York — GARAGE and ANIMAL HOUSE — Rockefeller Institute for Medical Research, 66th St. and Ave. A, plans by Coolidge, Shepley, Bulfinch & Abbott, 1 Court St., Boston, Mass., 4 story, 40 x 84 ft., 64th St. and Ave. A. $250,000.

N. Y., New York—LOFT—E. J. Nathan, 441 West End Ave., plans by Gronenberg & Leuchtag, 1385 Bway., 6 story, 89 x 136 ft., brick, Bank and Greenwich Sts. $375,000.

N. Y., New York—LOFT and STORE—Twenty-Five West 46th St. Corp., 31 East 27th St., S. Stern, pres., plans by W. C. Sommerfeld, 31 Union Sq., 15 story, brick and steel, 21 West 46th St. $500,000.

N. Y., New York—STORE and OFFICE—Three Hundred Eighty Five Fifth Ave. Corp., H. Mandel, pres., 1 Park Ave., plans by Farrar & Watmough, 1 Park Ave., 14 story, 49 x 100 ft., brick, steel, 5th Ave. and East 36th St. $500,000.

N. J., Camden—HALL of RECORDS—Bd. Comrs., City Hall, sketches by Edwards & Green, 548 Federal St., brick, steel, plain found. Market, Arch, 5th and 6th Sts. $6,000,000. Noted Mar. 22.

N. J., Hoboken—APARTMENT—Marlboro Co., J. J. O'Leary pres., 730 Hudson St., sketches by F. W. Fischer, 68 Hudson St., 8 story, basement, brick, steel, plain found., 1013-19 Washington St. $500,000.

N. J., Irvington (br. Newark)—APARTMENT—Owner, c/o J. B. Acocella, archt., 9 Clinton St., Newark, 3 story, basement, 70 x 110 ft. brick, steel, plain found., Stuyvesant and Prospect Aves. $150,000.

N J., Jersey City — APARTMENT — owner c/o C. Shilowitz, archt., Labor Bank Bldg., 5 story, basement, brick, steel, plain found. Kensington Ave. $150,000.

N. J., Jersey City—APARTMENT—C. Zerman, 157 Harrison St., East Orange, sketches two 5 story, basement, 117 x 129 ft., brick, steel, plain found., 252-278 Harrison Ave. $1,000,000. Engineer and architect not announced.

N. J., Jersey City—GARAGE—H. Burstyn & A. Heftler ,209 30th St., Woodcliff, sketches by C. Shilowitz, Labor Bank Bldg., 8 story, basement, rein.-con., brick, steel, plain found. Bergen Ave. and Academy St. $500,000.

N. J., Newark—GARAGE—Owner c/o F. Koenihsheger, archt., 48 Walnut St., 3 story, basement, 50 x 200 ft., rein.-con. brick, steel, plain found. $150,000.

N. J., Newark—GARAGE—Clinton Street Garage, Inc., 297 Market St., plans by G. Jones, 24 Commerce St., 6 story, basement, 55 x 120 ft., rein.-con., brick, steel, plain found. 65-67 Clinton St. $150,000.

N. J., Perth Amboy—ARMORY—State of New Jersey, Trenton, sketches by G. M. Ricci, 224 Smith St., 2 story, basement, brick, steel, plain found. Lewis Ave. $150,000.

N. J., Ventnor (br. Atlantic City) — APARTMENT — C. Froeb, Jr., Atlantic City, sketches by O. Schmidt, Union Natl. Bank Bldg., Atlantic City, 8 story, basement, brick, steel, plain found., Atlantic and Troy Aves. $250,000.

Pa., York—HOSPITAL and NURSES HOME—Ballinger Co., archts. and engrs., 105 South 12th St., Phila., bids late in August, hospital and nurses home, for York General Hospital, 905 South George St. $1,500,000. S. S. Goldwater, Mt. Sinai Hospital, New York, consult. Noted Mar. 29.

Pa., Phila.—HOSPITAL—Penn Treaty Hospital, S. A. Petner, pres., 4455 East Thompson St., plans hospital, Girard Ave. and Fletcher St. $150,000. Engineer and architect not selected.

N. C., Charlotte — ARMORY and CONVENTION HALL — City, plans by M. R. Marsh, 2 story, 100 x 200 ft., brick, steel, Cecil St. $150,000.

O., Cleveland—PARKING GARAGE—Thirteen Fifty Three Chester Co., M. Marmorstein, pres., plans by Humy Motor Ramp Co., 21 East 40th St., New York, 6 story, basement, 88 x 105 ft., rein.-con., brick, East 13th St. and Chester Ave., $350,000.

Ind., Indianapolis — APARTMENT — Mothershead & Fitton, 542 North Meridian St., 3 story, basement, 40 x 120 ft., rein.-con., brick, steel, 960 North Pennsylvania St. $150,000. Private plans.

Wis., Milwaukee—OFFICE—Northwestern Mutual Life Insurance Co., 210 East Wisconsin Ave., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., 8 story, basement, office, Mason St. $3,000,000.

Wis., Milwaukee—OFFICE—Northwestern Natl. Insurance Co., 168 East Wisconsin Ave., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., 6 and 8 story addition, 168 East Wisconsin Ave. $500,000.

Tex., El Paso—HOTEL—H. L. Hussman, c/o Hussman Hotel, plans by G. L. Frazer, El Paso, 9 story, 300 room capacity, rein.-con., brick, stone and steel, hotel, Mesa Ave. $500,000.

Tex., Houston — OFFICE—Southwestern Bell Telephone Co., 1101 Capitol St., 4 story top addition, office, 1101 Capitol St. $350,000.

Tex., McAllen—HOTEL—J. P. Morris, 809 Brady Bldg., San Antonio, 7 story, part basement, 60 x 90 ft., brick, rein.-con., hollow tile, concrete pile found., hotel, own forces. $150,000.

Tex., Mercedes—HOTEL—M. Hessel and Associates, Edinburg, sketches, 6 story, part basement, fireproof hotel, $250,000.

Colo., Pueblo—HOTEL—B. A. Shomaker and W. M. Whitsett, Box 111, Pueblo, plans by W. De Mordaunt, 738 First Natl. Bank Bldg., Pueblo, 5 story, brick, steel, concrete, fireproof, 9th and Main Sts. $150,000.

Calif., Hemet — HOTEL — Hemet Hotel Co., plans by O. L. Clark, Chapman Bldg., Los Angeles, 3 story, basement, brick, hotel, $150,000.

Calif., Huntington Park—HOTEL, STORE and THEATRE—N. Williams, plans by A. G. Bailey, 410 Hillstreet Bldg., Los Angeles, 6 story, basement, 72 x 114 ft., rein.-con., steel, Pacific Blvd., $250,000.

Calif., Los Angeles — APARTMENT — Owner, c/o R. A. Hill, archt., 1018 Pershing Sq. Bldg., sketches 13 story, basement, sub-basement, 120 x 150 ft., rein.-con., stone, incl. garage space for 100 cars, Wilshire Dist. $1,000,000.

Calif., Los Angeles—BANK and OFFICE—A. Kress, G. R. Dexter and E. R. Smith, Guarantee Bldg., Hollywood, plans by A. Curlett, 1012 Union Bank Bldg., 12 story, basement, 42 x 90 ft., rein.-con., incl. 1 story shop building, Hollywood Blvd. and Vine St. $500,000 or more.

Calif., Los Angeles—GARAGE—J. Toplitzsky, H. W. Hellman Bldg., plans by K. Macdonald, Jr., Spring Arcade Bldg., 12 story, 75 x 155 ft., rein.-con., Hill St., $150,000 or more.

Calif., Los Angeles—OFFICE—I. N. Van Nuys Building Co., plans by Morgan, Walls & Clemens, 1135 Van Nuys Bldg., 5 story, basement, sub-basement, 60 x 155 ft. addition, 719 South Spring St. $150,000.

Calif., Los Angeles — STORE and OFFICE—Wilshire Center Holding Co., plans by Morgan, Walls & Clements, 1135 Van Nuys Bldg., 2 story with 5 story tower, 140 x 280 ft., rein.-con., timber, Wilshire Blvd., $150,000 or more.

Calif., Los Angeles — STORES and OFFICES—Wilshire Center Holding Corp., sketches by Morgan, Walls & Clements, Van Nuys Bldg., 2 story (5 story, tower), 258 x 140 ft., brick, concrete, Wilshire Blvd. $150,000.

Calif., San Bernardino — HOSPITAL — Sisters of Incarnation, St. Mary's Hospital, Long Beach, plans Class "A" hospital, $500,000. Engineer and architect not selected.

Calif., San Francisco—APARTMENT—H. C. Baumann, archt., 251 Kearny St., 24 story, basement, Class "A" apartment, Green and Leavenworth Sts., for Western Management and Finance Co., Crocker 1st Natl. Bank Bldg., $750,000 or more.

Calif., San Francisco—APARTMENT—B. Liebman, 1555 Francisco St., plans two 3 story, basement, stucco, Scott and Jefferson Sts., $150,000.

Calif., San Francisco — BANK and OFFICES — American Trust Co., 464 California St., plans by C. R. Collupy, 464 California St., 2 story, rein.-con., Fillmore and O'Farrell Sts. $150,000. Noted Mar. 1.

Calif., San Rafael — HOTEL — Kernan Robson, San Anselmo, plans by F. H. Allen, 232 Main St., San Anselmo, 3 story, Class "A" hotel, Lincoln and 4th Aves., $200,000.

Que., Montreal—APARTMENT HOTEL—E. E. Workman, 445 Cote des Nieges Rd., plans by D. R. Brown, Beaver Hall Kill, 20 story, rein.-con., steel, stone front, fireproof, $7,000,000.

Que., Montreal—GARAGE—Zetland Garage Ltd., c/o A. J. Wright, engr., 223 Sherbrooke St. W., soon take bids 7 story, rein.-con., St. Henry St. $400,000. Private plans.

Ont., Toronto—APARTMENT—Eighty-Eight Broadway Ltd., c/o E. J. Hunter, 250 Heath St. E., plans by V. L. Morgan & Co., 317 St. Clements Ave., and soon take bids 3 story, basement, 45 x 170 ft., rein.-con., brick, steel, plain found., Broadway Ave. $150,000.

Ont., Toronto—APARTMENT—J. Laughlin, 249 Bellwoods Ave., 3 story, basement, rein.-con., brick, steel, stone, plain found., Atlas Ave. $160,000. Engineer and architect not selected.

Ont., Toronto—STORE and OFFICE—Robins Ltd., Natl. Bldg., plans by S. B. Coon & Sons, 4 St. Thomas St., 2 or 3 story, basement, rein.-con., brick, steel, plain found., Bellair St. $150,000.

Bids Desired

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. J., Atlantic City — APARTMENT — C. F. Wahl, c/o V. B. Smith, archt., Guarantee Trust Bldg., bids about Aug. 31, 6 story, basement, brick, steel, plain found., 33 South Panna Ave., $450,000.

N. J., Camden—BANK and OFFICE—Aug. 22, by Rankin & Kellogg, archts., 1805 Walnut St., 5 story, basement, 70 x 120 ft., rein.-con., brick, steel, plain found., Bway. and Market St., for Camden Safe Deposit & Trust Co., 224 Federal St. Noted Nov. 17, 1927.

N. J., Hackensack—GARAGE—H. V. Keenan, 29 State St., bids about Oct 1, 5 story, basement, rein.-con., brick, steel, plain found., State St., $200,000. J. L. & L. Tillack, 173 Main St., archt.

N. J., Irvington (br. Newark)—APARTMENT—See "Contract Awarded"

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Passaic—COMMUNITY CENTER—Ahavas Isarel, 171 Howard St., bids about Oct. 1, 5 story, basement, 100 x 150 ft., brick, steel, plain found. 41 Van Houten Ave., $150,000. Preiskel & Skvarla, 2 Lexington Ave., archts. Noted Aug. 9.

N. J., Perth Amboy—LOFT and STORE—G. M. Ricci, archt., 224 Smith St., taking bids 2 story, basement, 75 x 135 ft., brick, steel, plain found., New Brunswick Ave., for A. Kaufman, 239 State St., $150,000.

N. J., Teaneck — APARTMENT — See "Contracts Awarded."

N. J., West Orange — APARTMENTS—See "Contracts Awarded."

N. C., Raleigh—BANK—Raleigh Banking and Trustees, bids about Sept. 9, 3 story (ultimately 11), 66 x 114 ft. bank, $300,000.

La., New Orleans—BANK—Sept. 4, by M. H. Goldstein, archt., Hibernian Bank Bldg., 21 story, rein.-con., steel, wood pile found., Common St., for American Bank & Trust Co., Carondelet St. $1,500,000. Noted Feb. 23.

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Buildings—Commercial (Continued)

Pa., Waynesburg—HOSPITAL—Aug. 21, by Waynesburg Hospital Assn. and H. W. Altman, archt., Fayette Title & Trust Bldg., Uniontown, 3 story, basement hospital, 7th and 8th Sts. $250,000. Noted Mar. 29.

O., Columbus — SAFETY BUILDING — City of Columbus, W. H. Duffy, dir. of Serv., taking bids 5 story, basement, 17,000 sq.ft. floor space brick, stone, concrete, Water St. $600,000. Allied Architects Assoc., 82 West Broad St.

O., Elyria—THEATRE and HOTEL—J. Pekras, bids about Oct. 3, theatre and hotel, 150 rooms, etc. Eastau and Badad Sts. $150,000.

Ill., Chicago—STORE and OFFICE—Aug. 20, by A. S. Alschiler, Inc., archt., 28 East Jackson Blvd., 23 story, basement, 60 x 180 ft., steel, caisson found., 23-20 West Randolph St., for J. R. Thompson Co., 350 North Clark St.

Kan., Independence—HOSPITAL—Aug. 28, by Sisters of Mercy Hospital, 5 story, basement, 100 x 140 ft., rein.-con., brick, stone addition. Noted June 28.

Mo., St. Louis—OFFICE—Arlington Investment Co., c/o Manske & Bartling, archts., 410 North Euclid Ave., taking bids 15 story, basement, 19 x 106 ft., rein.-con., brick, stone, steel, terra cotta, 14th and Olive Sts. $750,000.

Tex., Ft. Worth—HOTEL—Aug. 29, by C. A. O'Keefe, 520 South Summit St., 18 story, basement, 100 x 100 ft., rein.-con., brick, steel and terra cotta, 5th and Main Sts. $700,000. Mauran, Russell & Crowell, 1620 Chemical Bldg., archts., and E. G. Withers, 401 Holmes Bldg., associate archt. Noted June 21.

Tex., San Antonio—OFFICE and GARAGE—Sept. 1, by J. M. Nix, 205 East Travis Bldg., 18 story, L-shaped, 136 x 114 x 168 ft., rein.-con., steel, plain found., office and garage, Navarro and College Sts., $1,500,000. H. T. Phelps, c/o Hicks Bldg., archt. Noted July 26.

Wash., Seattle — APARTMENT — W. Brust, archt., Republic Bldg., takes bids about Aug. 30, 5 story, basement, concrete, brick, steel, North 53rd St., for Wood Ridge Invest. Co., c/o archt. $500,000.

Wash., Vancouver — OFFICE — Vancouver Investment Co. takes bids about Aug. 19, 6 story, basement, 100 x 100 ft., rein.-con., plain found., 80th and Main Sts. $200,000. C. B. Lake, Longview, archt.

Calif., Los Angeles—HOSPITAL—Aug. 27, by Bd. Supervs. Los Angeles Co., 13 story, basement, sub-basement, 400 x 600 ft., rein.-con., steel, Mission Rd. $8,000,000.

Calif., Pomona — EXPOSITION — Aug. 27, by Supervs. Los Angeles Co., Los Angeles, 135 x 800 ft., rein.-con., exposition building. $160,000. Noted May 17.

Contracts Awarded

Mass., Boston—HEALTH UNIT—City, G. E. White Fund, city hall, 3 story, basement, brick, granite, limestone, plain found., health unit, High, Elm and Summer Sts. to Joseph Rugo, 80 Boylston St. $239,440. Noted June 26.

Mass., Boston—STORES and OFFICES—P. Basile, 20 Taft Place, Rosindale, 3 story, basement, brick, stone, plain found., stores and offices, Washington and Popular Sts., to Hub Constr. Co., 333 Washington St., Boston. Est. $155,000. Noted Aug. 2.

Conn., Norwalk—STORE and OFFICE—W. F. Bishop, Birch St., 4 story, basement, 75 x 100 ft., brick, stone, steel, office and store, Wall St. to W. Lyons, 9 Mechanic St. Est. $150,000. Noted June 5.

N. Y., Brooklyn — APARTMENT — Bedford Constr. Co., H. Lundenbaum, pres., 71 Court St., 6 story, 97 x 110 ft., brick, timber, Crooke Ave. and St. Paul Pl., separate contracts. $200,000. M. A. Cantor, 66 Court St., archt.

N. Y., New York—HOME—Peabody Home Corp., E. K. Warren, pres., 2064 Boston Rd., 5 story, basement, 50 x 140 ft., home, to Edward Corning Co., 145 East 45th St. Est. $250,000. Noted Aug. 2.

N. J., Atlantic City—HOTEL—Rankin & Kellogg, archts., 1805 Walnut St., Phila., Pa., 16 story, basement, rein.-con., brick, steel, addition, to Haddon Hall Hotel, plain found.; also 6 story, basement garage, North Carolina Ave. and Boardwalk, to Turner Constr. Co., 17th and Walnut Sts., Phila. Pa., for Leeds & Lippencott Co. Est. $6,000,000. Noted July 12.

N. J., Atlantic City — HOTEL — Hotel Morton, c/o W. M. Stanton, archt., Land Title Bldg., Phila. Pa., general contract 6 story, basement, brick, steel, plain found. to J. Mathis & Son, Guarantee Trust Bldg., Atlantic City. Est. $200,000.

N. J., Atlantic City — THEATRE — Embassy Theatre, c/o Hoffman & Henon Co., archts., 16th and Chestnut Sts., Phila. Pa., general contract 4 story, basement, rein.-con., brick, steel, plain found. Arkansas Ave. and Boardwalk, to C. P. Tilton, 4 South Virginia Ave. Est. $4,000,000. Noted July 12.

N. J., Irvington (br. Newark)—APARTMENT—N. Grandt & I. Sevada, 15 Fessenden Pl., Newark, 3 story, basement, 70 x 110 ft., brick, steel, plain found., Stuyvesant and Prospect Aves., separate contracts. $150,000.

N. J., Newark — APARTMENT — Gibbs Building & Constr. Co., 548 Rutherford Ave., Lyndhurst, 5 story, basement, 120 x 165 ft., brick, steel, plain found. 502-4 Summer Ave., separate contract. $260,000. Noted Aug. 9.

N. J., Newark — APARTMENT — S. Schwartzberg, 74 Shepard Ave., 5 story, basement, 100 x 120 ft., brick, steel, plain found. 56 West Kinney St., separate contract. $150,000.

N. J., Newark—APARTMENT—Webster Impvt. Co., 24 Branford Pl., 5 story basement, 80 x 130 ft., brick, steel, plain found., 789-91 Bway., $300,000, and 5 story, basement, 85 x 145 ft., brick, steel, plain found., 769-79 Bway., separate contracts. $200,000.

N. J., Orange—APARTMENT—The Bilt-Well Co., 135 Hill St., 4 story, basement, (2nd unit), 94 x 104 ft., brick, steel, plain found., Whitehall Pl. and Scotland Rd., by separate contracts. $160,000. Noted Aug. 2.

N. J., Summit — BANK — B. V. White, archt., 29 West 34th St., New York, 3 story, basement, 57 x 125 ft. brick, steel, plain found., Springfield Ave., to R. Hinnan, 6 Highland Ave., for Summit Trust Co., 367 Springfield Ave. Est. $150,000. Noted June 14.

N. J., Summit—OFFICE and STORE—R. S. Shapter, archt., 23 Maple St., general contract 5 story, basement, brick, steel, plain found., Springfield Ave. and Beechwood Rd., to Wigton-Abbott Corp., 552 West 23rd St., New York, for Summit Development Co., c/o archt. Est. $200,000. Noted May 10.

N. J., Teaneck—APARTMENT—Manor Arms, Inc., Cedar Lane, 3 story, basement, brick, steel, plain found., Cedar Lane, by separate contracts. $200,000.

N. J., West Orange—APARTMENTS—J. Anteloro, 45 Watson Ave., two 3 story, basement, brick, steel, plain found., 45-47 Watson Ave., separate contracts. $150,000. Noted Aug. 9.

Pa., Pittsburgh — FIRE and POLICE STATION — City Controller, 3 story, basement, 60 x 125 ft., brick, steel, concrete, to M. Parker, 3153 Ewart Pl., for City, Dpt. P. Safety. Est. $350,000. Noted July 26.

Pa., Phila. — HOSPITAL—Pennsylvania Hospital, 49th and Market Sts., 4 story, basement, irregular shaped, rein.-con., brick, steel, plain found., to Turner Constr. Co., 1700 Walnut St. Est. $1,000,000.

Tenn., Memphis—OFFICE—W. C. Hedrick, & R. S. Sterling, 1005 1st Natl. Bank Bldg., Ft. Worth, Tex., 29 story, basement, brick, 3rd and Madison St. to Bellows and McClay, contr. Co., Kirby Bldg., Dallas, Tex. Est. $2,000,000. Noted July 12.

Tenn., Memphis — WORK HOUSE — Shelby Constr. Co., 1 and 2 story, 200 x 300 ft., male prison; 100 x 150 ft., woman's prison; 75 x 260 ft., machine shop; 26 x 75 ft., tool and truck storage, Mullins Station to B. E. Buffalo, 658 East St. Est. $450,000.

Ky., Louisville—STORAGE GARAGE—H. J. Caperton, 419 West Jefferson St., 3 story, basement, 161 x 210 ft., brick, steel, stone storage garage, bowling alley, hall, Third and Guthrie Sts. to Castlewood Realty Co., McDowell Bldg. Est. $375,000.

Ind., Ft. Wayne — HOSPITAL — St. Joseph Hospital, general contract, 7 story, basement, 80 x 230 ft., rein.-con., brick, steel, to M. Irmscher & Sons, 1113 First Natl. Bank Bldg. Est. $750,000. Noted July 5.

Ill., Chicago—APARTMENT—Syndicate, general contract 13 story, basement, 85 x 100 ft., rein.-con., brick, stone, 2912 Commonwealth Ave., to Rosenthal, Mayer and Lewis, 77 West Washington St. Est. $1,500,000. Noted May 24.

Ill., Chicago — GARAGE — Fox & Fox, archts. 38 South Dearborn St., 5 story, basement, 80 x 140 ft. L shaped rein.-con., brick, stone, State and 11th Sts., to H. A. Hanson Co., 608 South Dearborn St., for C. J. Vopicka, 431 North Michigan Ave. Noted Apr. 12.

Minn., Minneapolis — HOSPITAL — Swedish Hospital, W. Mills, supt., 6th Ave. and 7th St., general contract 3 story, basement, rein.-con., brick, stone addition, to M. Madsen Co., 717 Natl. Bldg. Est. $350,000. Noted July 26.

Mo., St. Louis—COMMUNITY and CLUB—J. Heim, archt., 922 Holland Bldg., 3 story, basement, 115 x 185 ft., rein.-con., brick, stone, terra cotta, 2345 Lafayette St., to A. H. Haeseler Building & Constr. Co., Wainwright Bldg., for German Home, Inc. J. Toensfeldt. Est. $300,000. Noted July 26.

Mo., St. Louis — HOSPITAL — Missouri Baptist Sanitarium, 919 North Taylor Ave., 4 story, basement, 48 x 138 ft. and 43 x 58 ft., rein.-con., brick, stone addition, Taylor Ave., to Murch Bros., Constr. Co., Ry. Exch. Bldg. Est. $300,000. Noted May 10.

Mo., St. Louis—PASSENGER DEPOT—R. E. Mohr, archt., 1765 Ry. Exch. Bldg., 2 story, 50 x 100 ft. rein.-con., brick, stone, terra cotta depot and 2-track, 800 ft. train shed, to Dwight P. Robinson Co., Inc., 125 East 46th St., New York, for Wabash Ry. Co., R. H. Howard, ch. engr., Reading Exch. Bldg. Est. $350,000. Noted July 5.

Ark., Texarkana — CITY HALL — City, c/o clerk, general contract 3 story, basement, rein.-con., brick, stone, to Stewart-McGehee Constr. Co., Kahn Bldg., Little Rock, $231,200. Noted July 19.

Tex., San Antonio—THEATRE and OFFICE—Interstate Amusement Co., c/o K. Hoblitzelle, Dallas, general contract, superstructure 15 story, basement, 45 x 167 ft., and 7 story, 135 x 168 ft., theatre and office, Houston St., to American Constr. Co., Gulf Bldg., Houston, $600,000. Est. $2,500,000. Noted July 12.

Tex., Texarkana — CITY HALL — City, c/o S. C. Nancarrow, mayor, 3 story, basement, 114 x 140 ft., brick, stone, rein.-con., city hall to Stewart-McGehee Constr. Co., Kahn Bldg., Little Rock, Ark., $231,200. Noted May 3.

Wash., Seattle—APARTMENT—A. C. Dunlap, c/o C. Haynes, archt., Lloyd Bldg., 6 story, basement, fireproof apartment, incl. 40-car garage, 1741 Belmont Ave., to Pacific States Constr. Co., Lloyd Bldg. Est. $155,000.

Ore., Roseburg — COURT HOUSE — Douglas Co., G. K. Quinn, judge, general contract 3 story, basement, 80 x 140 ft., rein.-con., Court House Sq., to E. R. Metzger, Roseburg. $148,515. Noted June 21.

Calif., Long Beach — APARTMENT — C. E. Hamlin, 4 story, basement, brick, 64 apartments, Chestnut St., to W. Rohrbacher, Santa Ana. $155,500.

Calif., Los Angeles—APARTMENT—C. E. Williams, 908 South Hobart Blvd., 5 story, basement, 60 x 130 ft., brick, South Hobart Blvd., to Bard & Co., 315 East 9th St., Los Angeles, $150,000.

Calif., Los Angeles—APARTMENT—Ray Investment Co., part 4 and 5 story, 75 x 140 ft., rein.-con., brick, Alvarado Terrace, to W. Allen, 917 Pacific Natl. Bank Bldg., Los Angeles, $155,000.

Calif., Los Angeles — APARTMENT — T. V. Dutton, c/o contractor 5 story, basement, rein.-con., 5th St. and Burlington Ave., to Dutton The Home Fynder, 104 North Glendale Blvd., Glendale, $160,000. Noted June 14.

Calif., Los Angeles—APARTMENT—R. S. Anderson, c/o Finance Bldg., Brokerage Co., 912 Story Bldg., 4 story, 50 x 156 ft., brick, 1367 North Vermont Ave., to E. N. Frame, 11757 South Figueroa St., $150,000.

Calif., Los Angeles—APARTMENT HOTEL—Barco Investment Co., 656 South Los Angeles St., 12 story, basement, 95 x 135 ft. rein.-con., steel, Rossmore Ave., to W. D. Lee, 315 East 8th St., $500,000.

Calif., Los Angeles—LOFT—Fiske Tire Co. Inc., 1328 Sta. Fe. 3 story, 110 x 152 ft., rein.-con., 35th and Hope Sts., to J. M. Cooper 322 River-Strong Bldg., Los Angeles, $200,000.

Calif., Los Angeles — OFFICE and STORE — Richfield Oil Co., Bartlett Bldg., 12 story, basement, 121 x 175 ft., rein.-con., steel, 6th and Flower Sts., to P. J. Walker Co., Garland Bldg., $2,500,000.

Calif., Pasadena — HOTEL — Owner c/o Marston & Maybury archts., 10 story, basement, hotel, Colorado St. and Oak Knoll Ave., to Orndorff Constr. Co., 247 North Western Ave., Pasadena, $1,300,000.

Calif., San Bernardino—APARTMENT—Simon, Quinby Bldg., Los Angeles, 4 story, basement, 95 x 150 ft., brick, apartment, 6th and F. Sts., to Salih Bros., Quinby Bldg., Los Angeles, $150,000.

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Buildings—Commercial (Continued)

Calif., San Francisco — INFANT SHELTER—San Francisco Shelter, 2 story, frame, stucco, Ortega St. and 19th Ave., to G. P. W. Jensen, 320 Market St., San Francisco, $165,000.

Calif., San Francisco — STORE and LOFT — Seare-Roebuck Co., (represented by H. Rutherford), 2440 Bway. 3 story or more 100,000 sq.ft. floor space, Army, Valencia, Mission and Army Sts., to Scofield Eng. Co., 621 South Hope St., Los Angeles, est. $1,500,000.

B. C., Vancouver — OFFICE and GARAGE — Syndicate, c/o McCarter & Nairne, archts., 509 Richards St., 12 story, 105 x 120 ft. office, 4 story, 70 x 120 ft. garage, rein.-con., brick, stone, granite, plain found., Georgia and Hornby Sts., to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St. $1,200,000.

Buildings—Industrial

Proposed Work

Mass., Boston — FACTORY — Terkelsen Machine Co., 326 A St., Cambridge, plans by F. E. Leland, 238 Main St., Cambridge alterating and 2 story, brick addition, plain found., A St.

Mass., Cambridge — MANUFACTURING and STORAGE—Crane Co., 799 Boylston St., Boston, 5 story, 90 x 475 ft., brick, rein.-con., manufacturing and storage, Vassar St. To exceed $40,000.

Conn., Bridgeport—PLANT—Huntington Aircraft Corp., H. Huntington, pres., Newfield Bldg., plans 1 and 2 story, 40,000 sq.ft. airplane plant. To exceed $100,000.

Conn., Bristol—FACTORY—E. Ingram Co., 392 North Main St., plans by M. J. Unkelbach, 52 Main St., New Britain, 5 story, 50 x 162 ft., brick, North Main St. $100,000.

Conn., Hartford—BAKERY and OFFICE—Federal Bakeries, Inc., 218 Brady St., Davenport, Ia., plans by E. S. Holbrook, Davenport, Ia., brick, rein.-con., bakery and office, State St. To exceed $40,000.

N. Y., Brooklyn—COKE SCREENING PLANT—Brooklyn Union Gas Co., 176 Remsen St., plans by Koppers Constr. Co., Union Trust Bldg., Pittsburgh, Pa., 42 x 104 ft., Gardener Ave. $175,000.

N. Y., Brooklyn — FACTORY — C. H. Schultz Corp., 430 1st Ave., New York, plans by Francisco & Jacobies, 511 5th Ave., New York, three 5 story buildings, Berry and 11th Sts. $250,000.

N. Y., New York—SERVICE GARAGE—Arnold Constr. Corp., A. Bashein, pres., 261 Bway., plans by Moore & Landsiedel, 509 Willis Ave., 107 x 112 ft. brick and concrete garage Mott Ave. and 140th St. $40,000.

N. Y., New York—SERVICE GARAGE—Louis Held & Sons, Inc., 810 East 168th St., plans by Ginsberg, 222 East 42nd St., 1 story, 57 x 203 ft., brick and concrete, Whitlock Ave. and 165th St. $40,000.

N. Y., New York—SERVICE GARAGE—Richbach Realty Corp., H. Richbach, pres., 534 East 72nd St., plans by W. Shary, 41 Union Sq., 4 story, 93 x 105 ft., brick and concrete garage, 407 East 61th St. $75,000.

N. J., East Orange—WORK SHOP and STORE—Scher & Albert, Inc., 9 Clinton St., Newark, plans by F. G. Hasselman, 34 Prospect St., 1 and 2 story, basement, 60 x 110 ft., brick, steel, plain found. Harrison St. $65,000.

N. J., Newark—WAREHOUSE—General Tube Co., c/o S. Cohen, archt., 134 Branford Pl., 4 story, basement, brick, steel, plain found., $150,000.

N. J., Orange—MILK DISTRIBUTION—Newark Milk & Cream Co., c/o W. E. Lehman, archt., 972 Broad St., Newark, 1 story, basement, 50 x 400 ft., rein.con., brick, steel, plain found., Main St. $75,000.

N. J., Perth Amboy — FACTORY — D. Goldsmith, c/o G. M. Ricci, archt., 224 Smith St., 2 story, basement, 60 x 75 ft. brick, steel, plain found. East Ave. $40,000. Noted Aug. 2.

Mich., Detroit—GYPSUM PLANT—U. S. Gypsum Co., Penobscot Bldg. and Chicago, Ill., rein.-con., steel, plain found., Davison and River Rouge Sts. Private plans.

O., Cleveland — CLEANER — National Scewe & Mfg. Co., 2440 East 75th St., 1 story, 65 x 84 ft., brick, steel, 2440 East 75th St., $40,000. Private plans.

Mich., Ferndale (br. Detroit)—FACTORY—Steel & Tubes, Inc., 224 East 131st St., Cleveland, Ohio. (1st unit), 210 x 516 ft., concrete, brick, steel factory. Sessions Eng. Co., 228 North LaSalle St., Chicago, Ill., engrs.

Mo., Joplin—PLANT—Meeker Advertising Co., 3rd and Michigan Sts., plans by Smith & Van Pelt, Natl. Bank Bldg., 2 story, irregular shaped, brick plant. $75,000. Lockwood, Green & Co., 400 North Michigan Ave., Chicago, Ill., engrs. Noted May 3.

Mo., Kansas City—BOTTLING PLANT—Coco-Cola Bottling Co., 2540 Pennsylvania Ave., plans by H. Von Unerth, Finance Bldg., 1 and 2 story, basement, rein.-con., brick addition. $100,000.

Mo., Kennett—LIGHT and POWER PLANT—D. Stroud, city clk., postponed taking bids indefinitely, light and power plant, for City. Noted June 17.

Tex., Atreco (mail Port Arthur)—OIL REFINERY—Atlantic Refining Co., 260 South Broad St., Phila., Pa., plans oil refinery on Neches River. $500,000. Private plans.

Tex., Flatonia — FACTORY — Flatonia Crate & Box Co., c/o C. A. Wheeler, factory, incl., sawmill. $40,000. Private plans.

Calif., Los Angeles — FACTORY — Bastian-Morley Co., La Porte, Ind., plans brick, steel, factory, 1½ acre site, East 59th St.

Ont., Queenston—QUARRY PLANT—Queenston Quarries, Ltd., concrete and timber addition. $40,000.

Bids Desired

N. J., Elizabeth—MILL—C. G. Poggi & W Bragdon, archts., 275 Morris Ave., taking bids altering 2 story, basement, 70 x 200 ft., brick, steel, plain found., Spring St., for Hitchings Co., 701 Spring St., $150,000.

Mo., St. Louis—FOUNDRY—See "Contracts Awarded."

Tex., San Antonio — PUBLISHING PLANT—Aug. 31, by Express Publishing Co., Navarro, Sr. and H. S. Green, c/o Alamo Nat'l Bank Bldg., archt., 5 story, part basement, with 3 story tower, 141 x 188 ft., brick, terra cotta, stone, marble, Ave. E and 3rd St. $250,000. Noted May 3.

Calif., Vernon—OIL REFINERY—Swift & Co., 916 East 1st St., Los Angeles, taking bids 2 and 4 story, 114 x 212 ft. rein.-con., hollow tile, pressed brick, 15 acre site.

Contracts Awarded

Mass., Everett—FACTORY—G. B. Torngren, 712 Broadway, 2 story, brick, plain found., Garden St., to C. Hebrick, 139 Buckman St. Est. $40,000. Noted June 7.

Mass., Fall River — ICE MANUFACTURING PLANT — Ice Utilities Co., c/o Funk & Wilcox, archts., 26 Pemberton Sq., Boston, 1 story, 100 x 150 ft., brick, steel, plain found., Lowell St. to Marden & Orlando, 46 Cornhill, Boston. Est. $100,000.

Mass., Lawrence — MANUFACTURING—Champion International Co., Canal St., 1 story, 55 x 240 ft., brick, steel, mill constr., plain found., manufacturing addition, Canal St., to L. E. Loche & Son, 801 Bay State Bldg. Est. $100,000.

Mass., Quincy — FACTORY — A. Hale Rubber Co., Linden St., 1 story, cement, plain found., factory addition and alterations, Linden St., Atlantic Section to Clark & Smith, 13 Temple St. $40,000 or more.

Mass., Salem — PLANT — Owner c/o York Ice Mchy. Corp., engrs. 200 Causeway St., Boston, 1 story, 100 x 150 ft., brick, plain found., ice plant, Franklin St., to Pitman and Brown, 11 Washington St. Est. $100,000. Noted June 21.

Conn., New Britain—MANUFACTURING PLANT—Goss & De Leeuw Machine Co., Berlin St., 1 story, 100 x 175 ft., brick and steel addition, to Aberthaw Co., 80 Federal St., Boston, Mass.

Conn., Stratford — PLANT — Raybestos Co., S. Simpson, pres., Railroad Ave., Bridgeport, 1 story, 100 x 360 ft., brick plant, to W. J. Saugnessy, Jr., Inc., Fairfield Ave., Bridgeport, Conn. $40,000 or more.

Conn., Waterbury—FACTORY—Bristol Bros. Platts Mills, brick addition to Tracy Bros., 52 Benedict St. Est. $40,000. Noted Aug. 2.

Ala., Tuscaloosa—POWER PLANT—Gulf States Service Co., power plant on Black Warrior River, incl. 7,500 kw. steam turbine and three 1,000 hp. boilers, to United Engineers & Constructors Inc., Broad and Arch Sts., Phila., Pa. $1,000,000.

O. Cincinnati—POWER PLANT—Christ Hospital, Auburn Ave., 1 story, rein.-con., steel, plain found. Auburn St., to J. & F. Harig Co., Queen City Ave., $108,000.

O., Cleveland—FACTORY and OFFICE—McKinney Tool & Mfg. Co., E. W. McKinney, pres., Roseland Ave. and Arabelle Rd., 60 x 60 ft. factory, 40 x 40 ft. office, both 1 story, brick, steel, Roseland Ave., to A. H. Moss, Berea. Est. $50,000. Noted July 26.

O., Willoughby—FACTORY—Ohio Rubber Co., 1 and 2 story, 99 x 146 ft., brick, steel addition, to Austin Co., 16112 Euclid Ave., Cleveland. Est. $50,000.

Ind., Indianapolis — FACTORY—Federal Foundry Co., 502 South Harris St., 50 x 56 ft. carpenter shop addition, 50 x 200 ft. lumber shed, 50 x 50 ft. brass foundry, 40 x 80 ft. core room addition, 37 x 40 sand bin addition, 20 x 100 ft. new sand bin, two 36 x 100 ft. flask buildings, 40 x 50 ft. pattern shop, all brick, steel, to James C. F. Shafer Co., Smythe Bldg., Cleveland, O.

Mich., Detroit—ENGINEERING, etc.—Hupp Motor Car Co., 3641 East Milwaukee St., 8 story, basement, rein.-con., brick, to Everett Winters Co., 1651 East Grand Blvd. Est. $1,500,000.

Wis., Appleton—PAPER PLANT—Appleton Coated Paper Co., C. S. Boyd, pres., 1200 West Mead St., general contract 1 story, basement, 107 x 240 ft., brick, steel addition, plain found., to C. R. Meyer & Sons Co., 50 State St., Oshkosh. Noted June 21.

Wis., Milwaukee—FIRE DEPARTMENT REPAIR SHOP—Dpt. P. Wks., R. E. Stoelting, comr., masonry, concrete, timber and tile flooring, for 2 story, 100 x 140 ft. Fire Dpt. Repair Shop, to Packolski & Daligalski, 448 Mitchell St., $58,888; steel, iron, metal doors, to Milwaukee Structural Steel Co., 42nd and Watertown Plank Rd. $27,135.

Wis., Milwaukee — FACTORY—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., 3 story, basement, 108 x 302 ft., rein.-con., brick, steel addition, plain found., Park St. to Dohlman Constr. Co., 456 Bway. Noted July 19.

Mo., St. Louis—FOUNDRY Century Electric Co., E. S. Pillsbury, pres., 1806 Pine St., 1 story, basement, 242 x 262 ft., rein.-con., brick, steel, 3739 Market St., separate contracts and own forces. $200,000. Klipstein & Rathman, 316 North 8th St., archts. Noted Apr. 26.

Tex., Big Springs — OIL REFINERY PLANT—Big Spring Pipe Line Co., c/o C. Groff, Douglas Hotel, 5,000 bbl. capacity refinery plant near here. $100,000. Owner builds.

Wash., Wenatchee—COLD STORAGE—Wenatchee Cold Storage Corp., 4 and 5 story, basement, 168 x 270 ft., rein.-con., plain found., to Weldon Constr. Co., Seattle. $500,000.

Calif., El Monte—CREAMERY PLANT—Los Angeles Creamery Co., 2 story, 98 x 132 ft., rein.-con., El Monte St., to Carr & Bennett, c/o Los Angeles, Creamery, El Monte. $100,000.

Calif., Los Angeles — FACTORY — California Sanitary Canning Co., 1583 Industrial St., 1 story, 100,000 sq.ft. brick, steel, Long Beach Ave., to W. P. Neil Co., Inc., 4818 Loma Vista Ave.

Ont., Toronto—MILL—Canadian Paperboard Co., foot of Carlaw Ave., 1 story, basement 162 x 252 ft. factory, 1 story, basement, 70 x 320 ft. storage building, rein.-con., brick, steel, wood pile found., Commissioners St., to W. J. Trumble, 73 Adelaide St. W.

Buildings—Educational, Religious

Proposed Work

Mass., Lowell — PARISH HOUSE — St. Joseph's Roman Catholic Church, c/o H. P. Graves, archt., 40 Middlesex St., revised plans, 3 story, basement, brick, stone, plain found. Decatur Ave. $150,000. Noted July 5.

Mass., Marlboro—SCHOOLS—City, A. A. Martell, chn. comn., 18 Paris St., Hildreth and Bigelow Schools. $180,000. Engineer and architect not selected. Noted July 5.

Mass., Newton—SCHOOL—City, C. C. Chadwick, Pub. Bldg. Comr., City Hall, sketches by C. R. Greco, 11 Beacon St., Boston, 2 story, basement, brick, fireproof, plain found., Parkview Ave. near Cabot St. $150,000.

Mass., Norwood — HIGH SCHOOL — Town, L. Grant, supt. schools, plans by W. G. Upham, 700 Washington St., brick and steel, junior high school addition, Washington St. $175,000.

Mass., Somerville (br. Boston)—SCHOOL—City, L. M. Conwell, mayor, City Hall, school, Shore Dr., Purtian and Putnam Rds. $150,000 or more. Engineer and architect not selected.

Conn., Glastonbury — SCHOOL — Town School, Comn. Town Hall, plans 2 story, basement, school. $150,000.

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Buildings—Educational, Religious (Cont.)

N. J., Demarest — SCHOOL—Bd. Educ. Boro Hall, revised plans by E. Sibley, Bluff Rd., Palisades, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Dunellen—SCHOOL—Bd. Educ., Old New Market Rd., sketches by A. M. Korff, 203 Park Ave., Plainfield, 2 story, basement, brick, steel, plain found., Lincoln Ave. and 1st St., $150,000.

N. J., Hackensack—SCHOOL—Bd Educ., 355 State St., plans by A. E. Dore, 173 Main St., two 2 story, 50 x 120 ft. and 50 x 100 ft., brick, steel, wings, plain found., Grant St. and Fairmount Ave. $281,430. Noted July 19.

N. J., Princeton—DORMITORIES—C. C. Klauder, archt., 1429 Walnut St., Phila., Pa., soon lets contract one 4 story, basement, 135 x 152 ft. and other 3 story, basement, 78 x 154 ft., brick, steel, plain found., for Princeton University. $250,000.

N. J., Trenton—HIGH SCHOOL—Hamilton Twp. Comn., plans new High School. $500,000.

D. C., Wash.—SCHOOL—School Comrs. soon take bids elementary school, 19th and Columbia Rd., N. W., $500,000. A. L. Harris, municipal archt.

O., Parma (br. Cleveland)—SCHOOL—Bd. Educ. I. D. Siegfried, clk., election Nov. 6, $250,000, 2 story, basement, brick, steel, concrete, school. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

Mich., Coloma—SCHOOL—Bd. Educ., plans by Warren Holmes Powers Co., 112 East Allegan St., Lansing, 2 story, basement, 85 x 180 ft., rein.-con., brick, steel, plain found. $150,000.

Minn., St. Peter—DORMITORY—Gustavious Adolphius College, plans by W. M. Ingemann, 586 Endicott Bldg., St. Paul, 3 story, basement, 102 x 176 ft., rein.-con., brick, steel dormitory. $150,000.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., soon takes bids 3 story, 87 x 226 ft., rein.-con., brick, stone, Vandeventer St. between Shaw and Russell Blvds. $300,000. R. M. Milligan, c/o owner, architect and engineer.

Mo., St. Louis—SCHOOL—Mary Institute, Lake and Waterman Aves., preliminary plans rein.-con., brick, stone school (1st unit), Warson and Ladue Rds. near here. $300,000. Total $1,000,000.

Calif., Fullerton — CHURCH — Fullerton Methodist Episcopal Church soon lets contract 1 and part 2 story, rein.-con., steel, incl. auditorium, 800 seating capacity, Sunday school, assembly classroom, etc., Fullerton St. $150,000. Allison & Allison, 1005 Hibernian Bldg., Los Angeles, archts. Noted June 16, 1927.

Ont., Brantford—TECHNICAL SCHOOL—A. K. Bunnell, secy. Bd. Educ., 3 story, basement, 75 x 120 ft., brick, steel, concrete, Brant Ave., $185,000. Noted Mar. 22.

Ont., Windsor—INSTITUTE—Bd. Educ., plans by Cameron & Ralston, Bartlett Bldg., and soon take bids 3 story, basement, concrete, brick, steel, stone, incl. 20 rooms. $250,000.

Bids Desired

N. Y., Brooklyn—HIGH SCHOOL—Aug. 21, by W. C. Martin, archt. and Supt. School Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 227, Edward B. Shallow Junior High School, 16th Ave., 65th to 66th Sts, for Bd. Educ., 500 Park Ave., New York. Noted July 19.

N. Y., Irondequoit—SCHOOL—Aug. 24, by Bd. Educ., Titus Ave. and Cooper Rd., rein.-con., stone, steel school, Rawlinson and Burwell Rds. Gordon & Kaelber, 311 Alexander St., Rochester, archts.

N. J., Boonton — ELEMENTARY and HIGH SCHOOL — Aug. 17, by Bd. Educ., 714 A Main St., 2 story, basement, elementary, 1 story, basement high school, 119 x 135 ft., brick, steel, addition, plain found. Maple and Lathrop Aves. $300,000. Noted Jan. 5, 1927.

N. J., Newark — CHURCH — Czecho-Slovak Lutheran Church of Holy Trinity, c/o F. Koenigsherger, archt., 48 Walnut St., bids about Oct. 1, 1 story, basement, brick, steel, plain found. 14th St. and Avon Ave. $150,000. Noted June 9.

La., Mansura — SCHOOL — Sept. 4, by Avoyelles Parish School Bd., Marksville, 2 story, rein.-con., brick, stone, rein.-con., found., school $150,000. Noted Aug. 9.

Ill., Elmhurst—SCHOOL ADDITION—School Dist. 45 and 46, c/o I. A. Stone, secy., 422 South Fairview, bids about Sept. 20, 2 story, basement, rein.-con. brick, stone addition to York high school, St. Charles Rd., $350,000. J. C. Llwellyn, 38 S. Dearborn St., Chicago, archt.

Ore., Le Grande—SCHOOL—State Bd. Educ., Salem, takes bids about Sept. 18, auditorium, gymnasium, administration, laboratory buildings, for State Normal School. $175,000. Bennes & Hertzog, Portland, archts.

Ore., Portland—CHURCH—M. H. Whitehouse, archt., Ry. Exch. Bldg., takes bids about Oct. 2, 2 story, basement, 100 x 150 ft., rein.-con., steel, plain found. Columbia and West Park Sts., for Christian Scientist Church. M. Holland, chn. building com. $200,000.

Calif., Los Angeles—CHURCH—Marston & Maybury archts., 25 South Euclid Ave., Pasadena, taking bids rein.-con., church, County Club Dr., for Wilshire Crest Presbyterian Church. $130,000 (ultimate $225,000 or more).

Contracts Awarded

Mass., Chicopee—SCHOOL—City, J. J. Desmond, supt., 3 story, basement, brick, stone high school, McKinstry and Chicopee Sts., to D. A. Sullivan & Son, 78 Main St., Northampton, Mass. $233,000.

Mass., Framingham—SCHOOLS—Town, J. J. Slattery, chn. comn., altering and constructing two 2 story, basement, brick, additions, plain found., to I. P. Rocheford, 465 Market St., Rockland. Est. $150,000. Noted July 26.

Mass., Roxbury (sta. Boston)—ADMINISTRATION — Simmons College, H. LaFavour, 300 Fenway St., 3½ story, basement, 65 x 135 ft., brick, stone, plain found., 360 Fenway St., Roxbury, to J. M. & C. J. Buckley, 183 Essex St. Est. $150,000. Noted July 12.

Conn., Groton—HIGH SCHOOL—Town, C. G. Barnum, chn. bldg., com., 2 story, basement, 140 x 145 ft., brick, plain found high school to A. F. Smiley Constr. Co., 202 Oak Hall Bldg., Pawtucket, R. I. Est. $225,000. Noted June 21.

Conn., New Haven—HIGH SCHOOL—Bd. Educ., 3 story, 160 x 180 ft., stone, brick and steel, junior high school to National Constr. Co., 152 Temple St. $729,340. Noted July 19.

N. J., Glen Ridge—SCHOOL—Bd. Educ., 235 Ridgewood Ave., general contract 2 story, basement, brick, steel, plain found. Linden Ave. and Hawthorne St., to Beyea Constr. Co., 973 Bway., Union City, $93,000. Noted June 21.

N. J., New Brunswick — CHURCH — Roman Catholic Church of St. Mary's of Mt. Virgin, P. Mugnano, pastor, Sanford St., 2 story, basement, 65 x 145 ft., brick, steel, plain found., 196 Sanford St., to J. P. Hallahan, Inc., 6092 Drexel Rd., Phila., Pa. Est. $150,000.

N. J., Roselle (Ind. br. Elizabeth)—HIGH SCHOOL—Bd. Educ., Chestnut St., general contract, altering and constructing 2 story, basement, 195 x 208 ft., brick, steel, addition, plain found. 6th Ave. and Chestnut St., to W. A. Jensen, 643 Linden Ave., Woodbridge, $318,000. Noted Aug. 2.

N. J., Somers Point—SCHOOL—School Bd., J. L. Bradley, secy., 2 story, basement, 58 x 150 ft., and 43 x 45 ft., rein.-con., brick, steel, plain found., to J. Champion, Ocean City, $126,362. Noted Apr. 19.

Pa., Altoona — SCHOOL — School Dist. E. N. Decker, secy., 1500 6th Ave., general contract Keith Junior High School, 3 story, basement, 200 x 250 ft., brick, steel, concrete, 13th St., to J. C. Snyder, Altoona. Est. $800,000. Noted June 21.

Pa., Ambridge—HIGH SCHOOL—School Dist. and W. W. Williams, archt., Fitzsimmons Bldg., Pittsburgh, 2 story, basement, brick, steel Junior High School, Duss Ave., to Cook-Anderson Co., Beaver $208,490. Noted July 19.

Pa., Pittsburgh — SCHOOL — Bd. Educ., Fulton Bldg., general contract 2 story, basement, addition to Brookline School, Woodburne Ave., to Construction Corp. of Pittsburgh, Smallman St. $159,945; heating, plumbing, to Weldon & Kelly Co., 1801 Locust St. $57,445. Noted June 28.

Pa., Tyrone — HIGH SCHOOL — School Dist. of Tyrone, general contract 2 story, basement, school, to J. Drass, Hollidaysburg. Est. $150,000.

Ala., Montgomery — HIGH SCHOOL — City, general contract 3 story, rein.-con., steel, brick, high school incl. gymnasium South Court St., to Algernon Blair, 11 South Lawrence St. $719,875.

Ill., Peoria—Y.M.C.A., 121 North Monroe St., general contract 5 story, basement, 90 x 170 ft., rein.-con., brick Y.M.C.A. to W. M. Allen Son & Co., Jefferson Bldg., $224,128. Noted Apr. 26.

Wis., Appleton—GYMNASIUM—Child & Smith, archts., 720 North Michigan Ave., Chicago, Ill., general contract 1 story, basement, 135 x 177 ft. gymnasium, to Appleton Constr. Co., I.O.O.F. Bldg.; structural steel, to Lakeside Bridge & Steel Co., North Milwaukee; reinforcing, to Concrete Engr. Co., Milwaukee; cut stone, to Illinois Cut Stone Co., Champaign, Ill.; lannon stone, to Harmon Bros., Lannon; tile roofing, to Federal Cement Tile Co., 608 South Dearborn Ave., Chicago, Ill., for Lawrence College. Est. $250,000. Noted June 21.

Tex., Beaumont—HIGH SCHOOLS—Bd. Educ., c/o M. E. Moore, Weiss Bldg., junior high school on North St., and Royal St., each 2 story, 50 x 50 ft., incl. 1 story 50 x 108 ft. gymnasium, 1 story, 30 x 75 ft. cafeteria, brick, rein.-con. and stone, to H. Weber, Pearlstein Bldg., $157,094 est. $190,000. Noted June 28.

Calif., Burbank—HIGH SCHOOL—Burbank City High School Dist., Junior High School, to B. F. Farley, 143 South San Fernando Blvd., $131,889. Noted May 31.

Calif., Los Angeles—DORMITORY and CHAPEL—Loyola University, 3 story, basement, 50 x 245 ft., rein.-con., Palisades del Ray, to McNeil Co., 860 Avalon Blvd., $200,000.

Sask., Moosejaw—NORMAL SCHOOL—Dpt. Educ., Provincial Bldgs., Regina, 3 story, basement, 190 x 200 ft., incl. chemistry and physics laboratories, Elm St., to A. W. Cassidy & Co. Est. $350,000.

Federal Government Work

Proposed Work

Pa., Pittsburgh — LOCKKEEPERS — U. S. Engrs. Office, plans lockkeepers houses lock No. 6, Allegheny River.

D. C., Wash.—HANGAR—Spec. 5660—Bureau of Yards and Docks, Navy Dpt., plans hangar and railroad track at Naval Air Station, Sand Point.

N. C., Wilmington—STEEL BARGES—U. S. Engrs. Office, War Dpt., plans constructing, testing and delivering 2 steel barges.

Tenn., Memphis — STEEL BARGES — Mississippi River Comn., 1st and 2nd Dists. plans 82 Standard steel barges.

Ill., Chicago—DREDGING—U. S. Engrs. Office, War Dpt., plans dredging in Calumet Harbor and River.

California—DREDGING—U. S. Engrs. Office, San Francisco, War Dpt., plans clamshell dredging 26 ft. channel project San Joaquin River and Stockton Channel.

California — DREDGING — U. S. Engrs. Office, San Francisco, plans dredging in Sinsum Bay Channel.

California—ROAD—C. H. Sweetser, dist. engr., U. S. Bureau P. Rds., 451 Market St., San Francisco, rejected bids July 24, grading, graveling San Marcos Extension Project 56 Natl. Forest Highway. Will readvertise. Noted Aug. 2.

Bids Desired

N. Y., Brooklyn—STEAM ENGINE—Spec. 5630—Aug. 22, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing steam engine.

N. Y., Buffalo—DREDGING—Sept. 10, by U. S. Engineer's Office, Federal Bldg., dredging and rock excavation in Buffalo Harbor, Erie Co.

Va., Norfolk—DREDGING—Aug. 30, by U. S. Engineer Office, maintenance dredging in southern and western branches of Elizabeth River, Norfolk Harbor; adv. E. N.-R. Aug. 16.

N. C., Fort Bragg—BARRACKS—Sept. 6, at office Constructing Quartermaster, 1 field artillery Battalion Barracks and 8 field regimental barracks; adv. E. N.-R. Aug. 16. Noted July 26.

La., New Orleans—DREDGING—Sept. 4, (extended date) by U. S. Engineer Office, Poland and Dauphine Sts. dredging in Little Caillou Bayou; adv. E. N.-R. Aug. 16. Noted Aug. 9.

Fla., Pensacola — REFRIGERATING EQUIPMENT — Spec. 5595 — Aug. 22, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerating equipment at Naval Hospital, Naval Air Station. Noted Aug. 2.

Ia., Oskaloosa—POST OFFICE—Aug. 30, by Treas. Dpt. at office of Supervising Archt. Wash., D. C., remodeling and enlarging post office.

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Federal Government Work (Continued)

Arkansas—EARTHWORK—Aug. 23, by Mississippi River Comn., 1st and 2nd Dists., McCall Bldg., Memphis, Tenn., constructing 610,500 cu.yd. earthwork in Lower St. Francis Levee and White River, Levee Dists. in Woodruff, Prairie and Monroe Counties.

Colorado—ROAD—Aug. 21, by Bureau P. Rds., Custom House, Denver, grading 4.35 mi. Sect. "B," Dolores-Rico Natl. Forest Highway Project. Montezuma Co. J. W. Johnson, Denver, dist. engr.

C. Z., Coco Solo—SEAPLANE HANGAR —Spec. 5661—Sept. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., seaplane hangar.

Bids Received

Connecticut—DREDGING—U. S. Engineer Office, Providence, R. I., Aug. 3, dredging, 1,005,100 cu.yd. in Thames River from Morris & Cummings Dredging Co., 15 Moore St., New York, at $0.2174 per cu.yd. Noted July 5.

New Jersey — DREDGING — U. S. Engineers, 2nd Dist., Army Bldg., New York, N. Y., dredging in Hackensack River, from Atlantic Gulf & Pacific Co., 13 Park Row, New York, N. Y., at 0.2289 per cu.yd. Noted Aug. 2.

Neb., Omaha—WATER PIPING—Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 6, water piping in Post Office, from Lynch Bros., Omaha, $7,450. Noted July 26.

Contracts Awarded

N. H., Portsmouth—AIR COMPRESSOR —Spec. 5619—Bureau Yards & Docks, Navy Dpt., Wash., D. C., reciprocating air compressor, to Hardie Tynes Mfg. Co., 800 North 28th St., Birmingham, Ala., $37,250. Noted Aug. 2.

N. Y., Buffalo—PIER—U. S. Engineer Office, concrete superstructure on Bird Island Pier, to F. G. Hanssel, Elliott Sq., $61,120. Noted Aug. 2.

Va., Fort Humphreys—BARRACK—At office Constructing Quartermaster 3 engineer company barrack buildings, to J. C. Curtis, Denbigh, Va., $196,617. Noted July 12.

La., New Orleans — POWER PLANT — U. S. Engineer Office, 4th Mississippi River Dist., complete diesel electric power plant, to Sulzer Bros. Diesel Engine Co., St. Louis, Mo., $21,740. Noted July 5.

Ind., Ft. Benjamin Harrison — BARRACKS — Constructing Quartermaster, 2 barracks, to Mead Constr. Co., 906 Lemcke Bldg., Indianapolis, $351,366. Noted Aug. 9.

Ill., Great Lakes—HEATING MAINS—Spec. 5487—Bureau Yards & Docks Navy Dpt., Wash., D. C., heating mains at Naval Training Station Hospital, to M. L. Miller & Co., 1744 Sheridan Rd., North Chicago, Ill., $29,805. Noted July 19.

Texas — DREDGING — U. S. Engineer Office, Galveston, dredging, constructing dam and levee in Brazos River, Diversion Channel, to Atlantic Gulf & Pacific Co., 15 Park Row, New York, N. Y. Noted May 10.

Unclassified

Proposed Work

AMUSEMENT PARK—**High Point, N. C.** —Amusement Park Co., S. Lampell, secy.-treasurer, 26 acre amusement park, incl. dance hall, swimming pool, etc., between High Point and Greensboro. $100,000.

GRAIN ELEVATOR—**Minneapolis, Minn.** —Archer-Daniels Midland Co., 29th Ave. S. E., Great Western R.R. tracks, plans rein.-con. grain elevator, incl. conveying equipment, Mississippi River at foot Washington Avenue Bridge. $35,000. Private plans.

AIRPORT — **Lincoln, Neb.** — City purchased site and plans airport near here. $100,000. D. L. Erickson, city engr.

SWIMMING POOL — **Donna, Tex.** — E. Benidict, Donna, rein.-con. swimming pool Pipers Lake, near here. $40,000. Private plans.

NATURAL GAS SYSTEM—**San Saba, Tex.**—Brown Gas Co., San Saba, installing natural gas system, incl. mains, laterals, etc. $35,000. Owner builds. Private plans.

AIRPORT—**Waco, Tex.**—City, c/o M. E. McAdams, mgr., soon takes bids airport. $75,000. Noted June 28.

UNDERPASS and PAVING—**Manzanola, Colo.** — Colorado State Hy. Dpt., L. D. Blauvelt, engr., and Atchison, Topeka & Santa Fe R.R. Co., H. W. Wagner, ch. engr., plans underpass and paving 1 mi. Santa Fe Trail, $60,000.

FISH HATCHERY—**Rye, Colo.**—R. G. Parvin, state comr. Denver, Pueblo, Chapter, Izaak Walton League and C. W. Porter, 2119 East Routt Ave., Pueblo joint owners, plan trout hatchery and retaining pond with 5,000,000 fish capacity.

BATH HOUSE and SWIMMING POOL —**Brea, Calif.**—City Council, taking bids 45 x 105 ft. bath house-swimming, 10 x 45 ft. stucco, wading pool.

AIRPORT—**Inglewood, Calif.**—City of Los Angeles, plans municipal airport, incl. hangars, administration building, slips lighting system, etc. Mine's Field, $300,000 appropriated.

WHARF—**San Pedro, Calif.**—Los Angeles Harbor Comn., 30 x 320 ft. creosoted wood piles and cedar decking, 20 x 66 ft. frame ramp, and 3 dolphins 8 piles each. G. F. Nicholson, Berth 90, San Pedro, engr.

FENDER SYSTEM—**San Pedro, Calif.**—City Los Angeles Harbor, Comn., plans fender system and replacement of mooring fastenings at Fish Harbor wharf, Terminal Island, G. F. Nicholson, Berth 90, San Pedro, engr.

LIGHTING SYSTEM—**Ventura, Calif.**—Ornamental street lighting system in various sections of city. To exceed $25,000.

Bids Desired

TEST BORINGS—**New York**—Aug. 28, by Bd. Water Supply, G. J. Gillespie, pres. Municipal Bldg., New York, test borings on land in Towns of Wawarsing and Gardiner, Ulster Co. and Fishkill, Dutchess Co.; adv. E. N.-R. Aug. 16.

SUBWAY—**Brooklyn, N. Y.**—Aug. 28, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5-B, Route 109, Branches 1 and 2.

SUBWAY—**Brooklyn, N. Y.**—Aug. 31, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5, Route 107, under Schermerhorn St. from Court to Bond Sts.

REFRIGERATION EQUIPMENT — **Rome, N. Y.** — Sept. 12, by Dpt. Mental Hygiene, Albany, refrigeration equipment for Rome State School; adv. E. N.-R. Aug. 16.

DREDGE HULL — **Syracuse, N. Y.** — Aug. 30, by Dpt. P. Wks., Div. Canals & Waterways, Albany steel dredge hull to Barge Canal Terminal. T. F. Farrell, comr.; adv. E. N.-R. Aug. 16.

GASOLINE PUMPING ENGINE, etc.—**Breckeville, O.** — Aug. 21, by Village 1 gasoline combination pumping engine, hose wagon, chemical 500 gal per mile.

STOKERS and FORCED DRAFT EQUIPMENT—**Cleveland, O.**—Aug. 17, by City, in market for stokers, forced draft equipment and laundry machinery.

GRADE CROSSINGS ELIMINATION—**Columbus, O.**—Aug. 25, by Norfolk & Western R.R., W. P. Wiltswe, ch. engr., Roanoke, Va., grade crossings elimination work inside and outside, incl. paving, etc., and the work relocating the tracks of Columbus, Indiana and Eastern Traction Co. Estimated total cost $4,371,000.

CAST IRON WATER PIPE—**Chicago, Ill.** —Aug. 20 by City, Room 406, City Hall, furnishing and delivering f. o. b. cars at various city pipe yards, 1,920 tons 8- and 12-in. c.i. water pipe. R. E. Wolfe, comr. P. Wks.

SNOW FENCE, IRON POSTS, etc.—**Hastings, Minn.**—Sept. 5, by J. M. Lengenfeld, aud. Dakota Co., 84,000 ft. slat snow fence, eight thousand and four hundred 6.5 ft. angle iron posts with anchors.

BOILER, etc.—**Sacramento, Calif.**—Aug. 22, by State Architect, Pub. Wks. Bldg., Sacramento, one 300 hp. water tube boiler and miscellaneous heating and gas house equipment, at Sonoma State Home, Eldridge, $30,000—one 250 hp. water tube boiler and miscellaneous heating and gas house equipment at Mendocino State Hospital, $25,000. G. B. McDougall, state archt.

WHARF—**Bagotville, Que.**—Aug. 23, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing wharf.

WHARF—**St. Flavie, Que.**—Aug. 22, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., constructing wharf.

Contracts Awarded

GRADE CROSSING ELIMINATION—**New York**—Pub. Serv. Comn., Albany, elimination of Delaware & Hudson R.R. tracks in Bethlehem, Albany Co., to F. H. Clement & Co., Bethlehem, Pa. $86,067, and Penfield—Landing Rd. crossing of New York Central R.R., Brighton, Monroe Co., to William M. Ballard, Inc., Syracuse, $130,620. Noted May 5, 1927.

BORINGS—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, borings on Route 108, along Northern Blvd. Bway., Queens Blvd. and Kew Gardens Rd., to Sprague & Henwood, 32 Pearl St., New York, $7,700. Noted July 19.

SUBWAY—**New York, N. Y.**—Bd. Transportation, 49 Lafayette St., Sect. 1-A, Route 8, of 14th Street Eastern Rapid Transit R.R., to D. C. Serber, 1123 Bway., $3,160,000. Noted Aug. 2.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 175th, 181st, 190th Street-Overlook Terrace Stations, to Charles Meads & Co., 217 West 14th St. $605,000. Noted July 19.

HIGH TENSION LINE—**Anderson, Ind.** —Indiana Genl. Service Co., Muncie, high tension electric line, to Hoosier Eng. Co., 325 South Jersey St., Indianapolis, $350,000.

GRAIN ELEVATOR — **Omaha, Neb.** — Illinois Central Ry., A. F. Blaess, ch. engr., Chicago, Ill. 24-tank, rein.-con., grain elevator, 192 ft. high, 1,200,000 bu. capacity, to L. A. Stinson Co., 332 South La Salle St., Chicago, Ill. $500,000.

CULVERTS, etc.—**Missouri**—See "Railways."

TRAIN SHED—**St. Louis, Mo.**—See "Buildings Commercial."

COLORED LIGHT SIGNAL SYSTEM—**Texas**—See "Railways."

OIL PIPE LINE—**Texas**—Texas Pipe Line Co., (Texas Co., 720 San Jacinto St., Houston, parent organization), 33 mi. 8 in. welded oil pipe line from Dallas to Waxahachie, to Sheenan Bros., Waxahachie. $90,000.

PIPE LINE—**Pecos, Tex.**—West Texas Gas Co., Amarillo, laying gas pipe line, incl. mains, distributing system $45,000. Owner builds. Private plans.

PIER—**Goderich, Ont.**—Dpt. P. Wks., Ottawa, constructing north pier, to Jackson Constr. Co., Sorel, Que., $30,000.

TRACKWORK, GRADING, etc.—**Hamilton, Ont.**—Canadian Natl. Rys., New Union Sta., Toronto, T. T. Irving, ch. engr., trackwork, grading, culverts, bridges in connection with new station, to R. C. Huffman Constr. Co., 331 Bay St., Toronto, $400,000. Noted Jan. 5. Under "Buildings Commercial."

Materials

Bids Desired

ASPHALTIC SAND—**Brooklyn, N. Y.**—Aug. 22, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 10,000 cu.yd. asphalt sand and 4,500 cu.yd. 1½ in. coarse aggregate, either sand or broken stone.

TIES AND TIMBER—**New York, N. Y.** —Aug. 24, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., supply of treated ties and untreated ties and contact rail protection boards (No. 9) for use in constructing rapid transit R.R.

STEEL—**Phila., Pa.**—Aug. 23, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., steel for sub-station structure, Contr. 67.

STEEL PLATES, SHAPES or BARS—**Phila., Pa.**—Aug. 21, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., steel plates, shapers or bars, Contr. 68.

SNOW FENCE and STEEL POSTS—**Willmar, Minn.**—Aug. 24, by J. W. Haines, aud. Kandiyohi Co., 50,000 ft. snow fence and 5,500 steel fence posts.

Bids Received

STREET SIGN BRACKETS and PIPE—**Milwaukee, Wis.** — Central Bd. of Purchases, J. W. Nicholson, purch. agt., 600 sign brackets to Werra Aluminum Fdry. Co., Waukesha, $1,392—750 tons 6 in. Class C water pipe, to United States Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., $31,125—950 tons 8 in. and 75 tons 12 in., to Clay-Morgan Pipe & Fdry. Co., $40,138 and $3,169 respectively—225 tons 16 in., to A merican Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill., $9,506. Grand total $85,330.

See proposal advertising on page 142

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UNIT PRICES

Summaries of bids gathered by field correspondents or contributed by readers

Sewer—Louisville, Ky.

Commissioners of Sewerage, Board of Trade Building, opened bids Mar. 16, Whitney Ave.-Berry Blvd. Sewer, Sect. "A," Contract 37. Involves 3,177 lin.ft. 8 ft. x 6 ft. 6 in. rectangular reinforced-concrete sewer and 2,624 lin.ft. 6 ft. x 6 ft. 8 in. semi-elliptical reinforced-concrete sewer. Sixteen bids were submitted, difference between low and average 21 per cent. Lowest four and highest bidders are: (A) Cannell-Conrad Constr. Co., Todd Bldg., (awarded contract); (B) L. B. Fugitt, Chicago, Ill.; (C) Henry Bickel Co.; (D) Longley & Co., Inc.; (E) Bates & Rogers Constr. Co.

	A	B	C	D	E
3,173 lin.ft. earth excavation and backfill	$7.00	$10.00	$10.90	$10.00	$22.10
2,624 lin.ft. earth excavation and backfill	7.50	9.00	8.65	12.00	19.50
Earth excavation and backfill (lump sum)	111.75	200.00	140.00	150.00	545.00
Earth excavation and backfill (lump sum)	669.60	800.00	1,164.00	1,500.00	1,560.00
Earth excavation and backfill (lump sum)	150.00	300.00	300.00	300.00	600.00
Earth excavation and backfill (lump sum)	240.00	250.00	425.00	350.00	760.00
3,227 cu.yd. class "A" concrete masonry	15.64	12.00	15.00	16.00	20.10
1,376 cu.yd. class "A" concrete masonry	19.00	15.50	18.00	17.00	23.60
510 cu.yd. class "A" concrete masonry	22.00	17.50	25.00	25.00	27.70
60 cu.yd. class "C" concrete masonry	14.00	8.25	16.00	20.00	29.45
6 cu.yd. brick masonry	25.00	22.00	30.00	40.00	90.00
12 sq.yd. vit. brick lining of inverts	5.00	3.75	5.00	4.00	5.25
787,300 lb. reinforcing bars	.038	.044	.04	.045	.0525
49,400 lb. reinforcing bars	.045	.045	.045	.06	.0525
50 cu.yd. earth excavation below sewer	2.00	1.35	3.00	4.00	5.00
50 cu.yd. gravel refill	3.00	2.70	3.00	4.00	6.00
A. S. T. M. clay pipe, 24 in. or smaller, $3,876.92	45%	55%	50%	50%	45%
Laying with Cement Mortar:					
460 lin.ft. 6 in.	.25	.30	.25	.25	.40
10 lin.ft. 8 in.	.25	.35	.35	.30	.50
10 lin.ft. 10 in.	.25	.35	.36	.40	.65
10 lin.ft. 12 in.	.25	.40	.37	.50	.75
379 lin.ft. 15 in.	1.00	.52	.38	.60	.90
426 lin.ft. 18 in.	1.25	.58	.45	.70	.95
16 lin.ft. 21 in.	1.00	.60	.55	1.00	1.15
10 lin.ft. 24 in.	1.00	.65	.60	1.50	1.30
500 lin.ft. 6-in. underdrain	.40	.87	.68	.40	.65
500 lin.ft. 8 in. underdrain	.50	1.05	.88	.60	.85
10 M. ft. B. M. sheeting, bracing	40.00	35.00	35.00	5.00	55.00
2,700 sq.yd. macadam pavement	1.00	1.50	1.00	1.00	2.10
7 sq.yd. concrete pavement	3.60	3.45	3.00	2.50	4.25
Cleaning up (lump sum)	500.00	2,000.00	100.00	10.00	1,300.00
Net totals	$171,604	$173,349	$186,816	$199,472	$294,478
Progress and completion, $25.00 per day	3,500	3,000	6,000	4,000	6,000
Number of days	140	120	240	160	24
Gross totals	$175,104	$176,349	$192,816	$203,472	$300,478

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Sewer— Detroit, Mich.

Ten bids were opened by Department of Public Works, Mar. 5, for sewer in Calvary Ave. from Fort to Christiancy St., difference between low and average 27 per cent. Lowest four and highest bidders are: (A) Blanck & Gargaro, 40 Seven Mile Rd., E., (awarded contract); (B) G. R. Cooke; (C) Department of Public Works, Construction Division; (D) S. A. Healy; (E) Oakwood Construction Co.

	A	B	C	D	E
2,346 lin.ft. 12 ft. cylindrical sewer	$58.00	$23.00	$18.00	$125.00	$125.00
17 ft., 6 ft. 3 in. connection	65.00	30.00	25.00	200.00	75.00
31 ft., 5 ft. 6 in. connection	65.00	32.00	25.00	200.00	60.00
2 standard manholes	70.00	25.00	20.00	150.00	300.00
Totals	$137,267	$154,175	$154,209	$165,565	$296,985

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Dam—Pittsburgh, Pa.

Bids were opened by U. S. Engineer Office, June 11, constructing Deadman Island Dam, Ohio River, from (A) Dravo Contracting Co., Dravo Bldg., (awarded contract); (B) U. G. I. Contracting Co., 1401 Arch St., Philadelphia. Unit bids follow:

	A	B
1,585 lin.ft. cofferdam	$173.00	$210.00
170,936 cu.yd. common excav.	.40	1.00
5,502 cu.yd. rock excav.	6.00	7.00
16,582 sq.ft. rock channeling	1.00	2.00
65,360 cu.yd. conc.	9.00	10.00
134 cu.yd. conc. paving	15.00	20.00
9,833 cu.yd. fill	.30	.90
102 cu.yd. riprap	8.00	8.00
697 cu.yd. dorrick stone	6.00	8.00
1,428 lin.ft. round piles, timber	.80	1.00
1,544 sq.ft. sheet piles, steel	1.50	2.00
1,948 lb. structural steel	.15	.12
51 lb. iron castings	.40	.12
763 lin.ft. 2-2½ in. steel pipe	1.00	1.00
Totals	$994,935	$1,252,534

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Paper mill, Mobile, Ala., International Paper Co., New York, plans, $5,000,000.

Schools, New York, N. Y., Bd. of Educ., plans, total, $3,950,000.

Stores and office, New York, N. Y., F. J. Schoonmacher, take bids late in September, $3,250,000.

Store, J. Eaton Co., Ltd., Toronto, Ont., plans, $2,500,000.

Sewage system, Tacoma, Wash., plans, $2,223,816.

Roads, Gainesville, Tex., Cooke County, bond election Sept. 11, $2,000,000.

Apartment, Chicago, Ill., Syndicate, c/o R. Steif & Co., archts., soon takes bids, $1,500,000.

Irrigation system, Rio Grande City, Tex., Starr County Water Impvt. Dist. 1, voted bonds, $1,500,000.

Roads, Colorado, State Hy. Dpt., Denver, plans, $1,500,000.

Waterworks, Phoenix, Ariz., plans, $1,500,000.

Theater, Hackensack, N. J., Stanley Fabian Corp., plans, $1,000,000.

Airport, East St. Louis, Ill., St. Louis Air Transport & Terminal Co., preliminary plans, $1,000,000.

Hotel, theater and store, Elyria, O., J. Pekras, plans, $1,000,000.

Hotel, Seattle, Wash., T. H. Gowman, sketches, $1,000,000.

Waterworks, Seattle, Wash., Water Dpt., plans, $1,000,000.

Theater, Quebec City, Que., N. L. Nathanson, plans, $1,000,000.

Bids Desired

Railway, California, Southern Pacific R.R. Co., San Francisco, bids about Sept. 6, $3,000,000.

Roads, Ohio, Aug. 31, by H. J. Kirk, Dir. Hys., Columbus, $1,900,000.

Contracts Awarded

Store and office, Chicago, Ill., Syndicate, c/o K. M. Vitzthum & Co., archts., to John Griffiths & Son Co., $8,000,000.

Bank and office, New York, N. Y., American Exchange-Irving Trust Co. to Marc Eidlitz & Sons, $5,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 103.

Apartment, Chicago, Ill., A. J. Thomas, archt. for owners, to O. W. Rosenthal-Cornell Co., $4,000,000.

Produce terminal, Providence, R. I., Produce Wholesale Food Terminal, c/o Jenks & Ballou, archts. to Turner Constr. Co., $3,000,000.

Paper mill, Dalhousie, N. B., International Paper Co., New York, N. Y., to Domill Construction Co., Montreal, Que., $3,000,000.

Harbor development, St. John, N. B., St. John Harbor Comrs. to Atlas Construction Co., Montreal, Que., $2,500,000.

Hotel, Chicago, Drake Towers Building Corp., to B. H. Marshall Construction Co., $2,000,000.

Apartment, New York, N. Y., Caul Realty Corp., to Earl & Calhoun, $1,600,000.

Office, St. Louis, Mo., Plaza Realty Co., to Boaz-Kiel Construction Co., $1,500,000.

Apartment, New York, N. Y., Three Hundred Fifty Central Park West Corp., separate contracts, $1,250,000.

Printing plant, Chicago, Ill., A. S. Alschuler, Inc., archt., for owners, to G. L. Arquette & Co., $1,200,000.

Stores and apartment, New York, N. Y., B. M. House & Son, separate contracts, $1,000,000.

Apartment, New York, N. Y., J. Sager, separate contracts, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Fla., Daytona Beach—Purchasing additional electric pumping unit for waterworks. $7,383. E. Wheeler, city mgr.

O., Wooster — Bd. Control soon takes bids constructing concrete plant, $45,000. A. Redgl, Wooster, engr.

Tex., Big Springs—City, plans improving waterworks, incl. extending distribution system, pumping equipment, etc. $35,000. Address M. Montin, city engr.

Tex., Corpus Christi—Water & Gas Supply Dist., c/o H. Carter, 718 Elizabeth St. and E. E. Ludewig, 1324 4th St., constructing water system $40,000 and gas system, $35,000 in district south of Del Mar, supplying Aberdeen and Del Mar.

Wash., Seattle—Water Dpt., W. Severyns, supt., plans improving waterworks, 5 mi. pipe line between Volunteer Park and Maple Leaf Reservoirs, tunnel under Lake Washington Canal, $160,000. Total est. $1,000,000. W. D. Barkhuff, city engr.

Ariz., Phoenix—Waterworks. $1,500,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

Ont., Toronto—Scarborough P. Utilities Comn., 1664 Kingston Rd., soon takes bids duplication present filtration plant, incl. building, filter basins, coagulating basins, reservoir and filtering equipment, 1 m.g.p.d. capacity, for Scarborough Twp. $50,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Bids Desired

Mass., Cambridge (br. Boston)—Sept. 5, by City, J. J. Scully, chn. Water Bd. 1 story, brick pumping station, plain found., Lake View Ave. and Worthington St. $100,000. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted May 17.

N. Y., Buffalo — Sept. 4, by G. Fisk, comr. P. Wks., Municipal Bldg., mains at Airport, Genesee Rd. C. E. P. Babcock, city engr. Noted Aug. 9.

N. Y., Niskayuna — Aug. 30, by Bd. Waters Comrs. Water Dist. 3, at office R. W. Peters, atty., 432 State St., Schenectady, waterworks. W. W. Chadsey, Parker Bldg., Schenectady, engr.; adv. E. N.-R. Aug. 23.

Fla., Miami—Aug. 27, by City, 3 additional wells, 21 x 30 ft. steel tank, laying Redwood pipe line, alternate bids for 60 x 60 ft., or 120 x 120 ft. dorr basin, in Hialeah.

Md., Hyattsville — Aug. 31, at office Washington Suburban Sanitary Comn., Evans Bldg., New York Ave. N. W., Wash., D. C., watermains and sewer, Contr. 72-W and S; adv. E. N.-R. Aug. 23.

Mich., Detroit — Sept. 5, by Bd. Water Comrs., 176 East Jefferson Ave., pumping unit for northern yard tank. G. H. Fenkell, ch. engr.; adv. E. N.-R. Aug. 23.

Minn., Hibbing—Aug. 27, by G. O. Kolstad, village recdr., 2 m.g. concrete reservoir. J. C. Taylor, Hibbing, engr. Noted Aug. 16.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Minn., Winona—Sept. 1, by H. Magnus, secy. Bd. Municipal Works, improving waterworks, artesian well 16 in. top and 12 in. bottom diam., 500 ft. deep, 2 deep well centrifugal pumps.

Mo., St. Louis—Sept. 18, by Bd. P. Serv., City Hall, rein.-con. heating tunnel between high pressure engine and filter houses, pipe trench between above tunnel and coagulant house, and between coagulant house and 2 sludge pump houses. $23,000; iron railing around wet well at Chain of Rocks Engine House, $800. L. Day, City Hall, comr.

S. D., Yankton—Sept. 11, by J. W. Summers, city aud., pump houses, pumps, water treatment plant, service discharge, etc. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs. Former bids rejected. Noted July 26.

Ark., Helena—See "Contracts Awarded."

Tex., Dallas—Sept. 7 by City, c/o M. G. James, secty., two 15 m.g.d. turbine driven pumping units complete, three 15 m.g.d. motor driven pumping units complete with motors, two 1,000 kw. turbo-generators complete with all auxiliaries, three 300 hp. water tube boilers; 32 m.g.p.d. water purification plant, incl. basins, buildings, etc.; filter piping, equipment, etc. D. Morey, Jr., 415 Praetorian Bldg., engrs.; adv. E. N.-R. Aug. 23. Noted Aug. 16.

Okla., Henryetta — Aug. 27, by City Clerk, purification plant, pump house, filter equipment. $90,000. T. J. Embee, 522 East 12th St., Okmulgee, engr.

Colo., Colorado Springs — Broadmoor Hotel Co., c/o C. L. Tutt, Mining Exch. Bldg., taking informal bids reservoir, 64,000 yd. clay embankment, 36 ft. high, 1 mi. 24 in. probably iron pipe in Fisher Canon, near here. C. H. Bryson, 803 Cheyenne Rd., Colorado Springs, engr.

Calif., Colusa—Sept. 3, by B. L. McCue, city clk., 150,000 gal. steel water tank, tower.

Calif., Oakland — Directors East Bay Municipal Utility Dist., taking bids and open same about Sept. 7, South Spillway, Schedule 1, Jackson Creek Spillway and Dike, Schedule 2, Pardee Reservoir Outlet Tower, Schedule 3.

Contracts Awarded

Mass., Boston—Dpt. P. Wks., rein.-con. conduit in Davenport Brook, Dorchester, to T. J. O'Connell, 75 Claymoss Rd., Brighton. Est. $18,000.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., sub-surface booster pumping station, West 246th St., to Turbine Equipment Co., 30 Church St., $22,790. Noted July 26.

N. Y., St. George—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Barlow, Detroit, Greenwood, Hamilton, Hillcrest, Maplewood, Muller, Oswald, Rhett, Stobe, Washington, Winant Aves., to Empire Contg. Co., 1072 Castleton Ave., Port Richmond, $16,425. Noted Aug. 2.

See proposal advertising on page 111

Constr. News page 97

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

La., Mansfield—J. S. Ament, engr., 20,000 ft. new water lines, to H. M. Silver, Mansfield, engr. Est. $14,190. Noted July 25.

O., Cincinnati—Hamilton Co., 26,110 ft. 6 and 8 in. c.i. mains in West Supply Line 94, Dists. 2, 4, 5 and 6, to Movl Constr. Co., 123 East 6th St., $42,395.

Wis., Milwaukee—Watermains in Cedar St. to Kehrein Bros., 1096 23rd St., $22,500.

Ark., Helena—West Helena Water Co. c/o North American Water Works Corp., 39 Bway., New York, 250,000 gal. storage reservoir, addition to power plant, by own forces. $50,000. Noted Aug. 9.

Sewers

Proposed Work

N. Y., Buffalo—G. F. Fisk, comr. P. Wks., plans 15,201 ft. 15 in. vitr. sewer in Towpath on Westside Erie Canal. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., New York—Bd. Estimate & Apportionment, City Hall, authorized construction sewage disposal plant (1st unit of series to eliminate sewage from New York Harbor), Wards Island. $35,000,000. Total $100,000,000. Noted Dec. 15, 1927.

N. Y., Syracuse—Plans 17,000 ft. sewers in Salt Springs Dist. $47,000. N. F. Pitts, Jr., State Tower Bldg., engr.

N. J., Hillside (br. Elizabeth) — Twp. Com., Township Hall, sanitary sewers in Young Ave., Wolf and Saeger Places, $25,000. C. Luster, 286 North Broad St., twp. engr.

N. J., Linden—City Council, constructing trunk sewer, from Linden to Roselle, $150,000. A. E. Cooley, City Hall, Roselle, engr.

N. J., Newton — Town Council, will expend $80,000 for reconstruction of sewage system.

N. J., Orange—Bd. Comrs., City Hall, rein.-con., sewers in Wigwam Brook, $30,000. J. Crane, City Hall, engr.

Ind., Laporte — Bd. Wks. storm sewer, $65,000. A. Schultz, city clk.

Tex., San Juan — City, plans sewerage system. $75,000. Address A. A. Martyn, city secy.

Wash., Tacoma—City Council plans sewerage system, main trunk sewer along South Tacoma Way and Union Ave. and 6 branch sewers. $2,223,816. C. E. Putnam, city engr.

Calif., Long Beach—Sewerage system in California Heights Dist. etc. To exceed $500,000. A. H. Adams, city engr.

Calif., Maywood — Plans vitr. sewage system in Western Section of city. To exceed $100,000. V. Wood, American Bank Bldg., Los Angeles, engr.

Ont., Hamilton—City Council, extending 1 mi. Gage Ave. Storm Sewer, concrete or brick, $150,000. W. L. McFaul, City Hall, engr.

Bids Desired

N. Y., Buffalo—Sept. 4, by G. Fisk, comr. P. Wks., Municipal Bldg., 15 in. vitr. sewer in Towpath, West side Erie Canal; 6 and 8 in. sanitary sewer at Buffalo Airport. C. E. P. Babcock, Municipal Bldg., city engr. Noted Aug. 23.

N. Y., Dunkirk — Sept. 4, by Common Council, sewage disposal plant, intercepting sewer, lake wall. F. K. Wing & Co., 1314 Prudential Bldg., Buffalo, consult. engrs.; adv. E. N.-R. Aug. 23.

N. Y., Long Island City—Aug. 30, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Sutphin Blvd., Jamaica, 109th (Sutter), 102nd, Garfield, 21st (Wolcott) and Ely Aves.; 50th (Fitting), 62nd, 30th, 70th (Ramsey), 127th Sts.

N. Y., Orangeburg — Sept. 12, by Dpt. Mental Hygiene, Capitol, Albany, storm and sanitary sewers at Rockland State Hospital. L. M. Farrington, secy.; adv. E. N.-R. Aug. 23.

N. Y., Thiells—Aug. 29, by Dpt. Mental Hygiene, Capitol, Albany, sewage disposal system, Letchworth Village; adv. E. N.-R. Aug. 23.

N. Y., Tuckahoe (Ind. br. Yonkers)—Aug. 30, at office town Clerk, Village Hall, enlarging, improving and repairing Midland Ave. drains in Eastchester, Bronxville and here. A. W. Smith, 107 Lake Ave., engr.; adv. E. N.-R. Aug. 23.

N. J., Haddon Heights—Sept. 4, by Boro Council, Boro Hall, sewerage system additions, 2 pumping stations; adv. E. N.-R. Aug. 23.

Pa., Phila.—Aug. 29, by Dpt. P. Wks., Bureau of Engineering, A. Murdock, dir., main sewers in Butler and Salmon Sts.; branch sewers.

O., Canton—Bd. Control bids about Oct. 9, sanitary sewers in Monument Rd., $57,550. W. E. Sarver, City Hall, engr.

O., Columbus—Aug. 28, by W. H. Duffy, dir. Serv., 3,060 ft. 66 and 72 in. monolithic concrete or brick and concrete sewers, 4,740 ft. 30 to 60 in. rein.-con., or vitrified sewers in Northwood Ave., engr. est. $120,000.

O., Cuyahoga Falls—Bd. Control bids about Oct. 13, storm sewers in North side of city. $350,000.

O., Twinsburg—City Comrs. Akron, bids about Sept. 8, sewers, sewage treatment plant, etc. $74,000. C. D. Barstow, Akron, engr.

Ind., Indianapolis—Aug. 27, by Bd. P. Wks., sewers in Randolph and Minnesota streets, Keystone and Villa Aves.

Ill., Chicago—Sept. 6, by Bd. Trustees Sanitary Dist. of Chicago, 910 South Michigan Ave., Division P, 16 trunion type air operated dump cars. T. J. Crowe, pres.; adv. E. N.-R. Aug. 23.

Wis., Loyal—Aug. 31 (extended date), by Village, W. Meyer, clk., sanitary sewerage system, disposal plant, 23,000 lin.ft. 8- to 12-in. pipe, 60 manholes, Imhoff tank, sludge bed. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs. Noted Aug. 9.

N. D., Jamestown — Aug. 28, by City Clerk, sewage disposal plant. $120,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted July 26.

Calif., Los Angeles—Sept. 5, by Bd. P. wks., 9,600 lin.ft. semi-elliptical concrete, brick or pre-cast sewers in Sect. 33, of North Outfall Sewer, (city will furnish material).

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres., Brooklyn Boro, Boro Hall, sewers in Duryea Pl., Elm Ave. and Rockaway Parkway, to Marmill Constr. Co., 1780 Pitkin Ave., $1,316 and $6,396 respectively; 53rd St. and Lenox Rd., to S. Guerriero Co., 1024 66th St., $2,427 and $1,022 respectively; 11th Ave., to R. Nazzaro, 1550 62nd St., $1,425; Avenue V, to Del Mel Constr. Co., Inc., 7624 15th Ave., $495. Grand total $13,081. Noted July 5.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Picvac Constr. Co., sewers in 26th Ave. $7,364; to Catapano & Ambrosio, 1016 60th St., West 6th St. $5,511, Troy Ave. $4,022; to S. Guerriero, 1024 66th St., East 7th St. $6,298, West 8th St. $3,628, West 4th St. $3,298; to R. Nazzaro, 1550 62nd St., Walsh Court, $4,705, East 4th St. $1,807; to Tomasetti Contg. Co., 1074 60th St., Avenue O, $1,603; to Del Mel Constr. Co., 7624 15th Ave., 20th Ave., $1,450. Grand total $39,686. Noted July 12.

N. J., Bergenfield—Joint Bd. Council, Boro Hall, sewage treatment plant in Bergenfield and Dumont, to Bruns & Hall, Park Ave., Dumont, $18,490.

N. J., Millburn—Twp. Comn., Municipal Bldg., trunk sewer in West of Rahway River, to Romano & Saggese, 181 Glen Ridge Ave., Montclair, $75,308. Noted July 5.

Pa., Ambridge — Boro, Boro Bldg., sewers, Contr. 1 Plan 14, to W. J. Gilligan, Latrobe $31,957. Noted July 26.

Ky., Louisville—Commissioners of Sewerage, Bd. of Trade Bldg., 3rd and Main Sts., Highland Park-Beechmont Sewer Contr. 40, to A. A. Davis & Co., 405 Westover Bldg., Kansas City, Mo., $400,000. Noted June 21.

Ky., Paducah—E. R. Bradshaw, comr. P. Wks., sewerage system in Western Zone 4-A, to Merkle Contg. Co., 413 City Bank Bldg., Kansas City, Mo. $358,063. Noted July 26.

O., Cleveland Heights (br. Cleveland)—To Janashek & Callow 13606 Union Ave., Cleveland, sewers and water mains in Woodview Ave. $3,942—Renfield Ave. $11,150—Keystone Ave. $10,135—Quarry Ave. $12,189. Grand total $37,416. Noted Aug. 2.

O., Columbus—W. H. Duffy, dir. Service, Olentangy-Scioto intercepting sewer Sect. 3, Contr. 13, to Pittsburgh Foundation Co., Keystone Bldg., Pittsburgh, Pa. $302,823. Noted July 19.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., sewer in 14th St. and Morgan Ave., to Wenzel & Henoch, 498 27th St., $8,423 and $2,365 respectively—Center St. and Greenfield Ave., to J. B. Forrestal Co., 215 15th St., $324 and $337 respectively—14th and Grand Sts., to Czerwinski Constr. Co., 816 Clinton Ave., $501 and $1,023 respectively — Lapham St., to J. G. Holton, 345 27th Ave., $730—30th Ave., to Klump & Johnston, St. Francis, $2,117—and 20th St., to Wisconsin Sewer Constr. Co., $1,644. Grand total $23,961.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., to General Contractors, 86 48th St., sewer in Burnham St. $548, 59th St. $4,021, Sunbury Court $7,468, 34th Ave. $5,630, 33rd Ave. $8,835; to Wenzel & Henoch, 498 27th St., Center St. $96,179, East Ohio Ave. $7,938, Row south of Wisconsin Ave. $11,372, 22nd Ave. $6,075; to J. Brogan & Sons, 16th St. and North Ave., Center St. $61,225; to Dervos & Holquist, 457 Mineral St., Lapham St. $669, Summit Ave. $398; to P & L Co., 1107 Humboldt Ave., Ruth Court $1,393, 61st St. $8,825; to Mierswa Constr. Co., 582 20th St., St. Paul Ave. $5,713, 35th Ave. $5,069. Grand total $231,358.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to T. G. Holton, 345 27th Ave., sewers in Dousmann St. $1,085, Morton Dr. $1,293, Lapham St. $3,623, Oklahoma Ave. $7,559—to Czerwinski Constr. Co., 816 Clinton St., Lincoln Ave., $243—to Ribbens Bros., 2415 Richards St., Notre Dame Court, $2,854—to Klump & Johnston, St. Francis, 64th St. $8,821—to Wenzel & Henoch, 498 27th St., Wells St. $1,977. Grand total $27,455.

Mo., St. Louis—Bd. P. Serv., City Hall, Sect. 2, Southwestern Joint Sewer, 5,390 ft. 18 in. to 15 ft. rein.-con. horseshoe, brick, segmental block and tile pipe, to Frazier-Davis Constr. Co., Arcade Bldg., $237,796; Sect. 3 same sewer, 18,200 ft. 12 in. to 9 ft. pipe, to Riley Contg. Co., 110 North 7th St. $289,782. Noted July 12.

Tex., Quitaque—Mayor, improving waterworks to Panhandle Constr. Co., Lubbock, $37,661. Noted June 12.

Calif., Culver City—P. H. Jarrett, city clk., sewers in Sepulveda Blvd. Storm Drain to Braun, Bryant & Austin, 6244 Washington Blvd., Culver City, $195,756. Noted Aug. 16.

Calif., Los Angeles—Supervs. Los Angeles Co., 3.91 mi. cement sewers in Miramonte Park (Impvt. 657), to Cogo & Rados, 3274 Descanso Dr., Los Angeles, $47,325.

Calif., Southgate—Cement sewers in Home Garden Dist. (A. & I. 4), to Chutuk, Kordich & Vukojevich, 3518 Percy St., Los Angeles, $441,375. Noted Aug. 2.

Ont., Picton—Picton P. Utilities, brick and concrete pump house, to Homer White & Co., $15,200; pressure filter equipment, to W. J. Westaway Co. Ltd., Hamilton, $8,000; electric centrifugal pumping equipment, to Goldie McCulloch Co., Ltd., Galt, $6,118; c.i. pipe and fittings, to Gartshore Thompson Pipe & Foundry Co., Hamilton, $7,332. Grand total $36,650. Noted June 14.

Ont., Toronto—City Council, sewer in Lane south of Danforth, to P. Corrodi, 19 Hocken St., $818; sewer in Lane west of Christie St., to A. Damica, 1443 Dufferin St., $1,608; sewer in Lane west of Sellers Ave., to Ronco Bros., 224 Rosemount Ave., $1,475; sewers in Elora Rd., Eglinton Ave., Sect. D. E. and Soudan Ave., Sect. D. E., to W. E. Taylor, 22 Falcon St., $19,141; Kennedy Park Pumping Station and sewer in Birchview Crescent, to W. R. Worthington Constr. Co., Roselawn Ave., $20,060; sewer in Oakview Crescent, to Dileo & Co., 239 Bellwoods Ave., $1,976; sewer in Eglinton Ave. Sect. E. F., to Natl. Contg. Co., 52 Imperial St., $10,649. Grand total $55,727.

Ont., Toronto — For 8 in. and up vitr. tile sewers in Sheldrake Blvd. and Commissioners St. Sects. A, B, C, D and E, to W. E. Taylor, 22 Falcon St., $31,306 and $3,739 respectively; sewer in Legan Ave., to city by day labor, $10,826; sewer in Merton St. Sects. A and B, to Natl. Contg. Co., 52 Imperial St., $10,187; sewer in Cleveland St., Sects. B and C, to P. Corradi, 19 Hocken Ave., $7,878. Grand total $63,936.

Ont., Toronto—Scarborough Twp., sludge sewage disposal plant, concrete and general construction, Contr. A, to J. A. Wickett, 16 Salter St., $40,600; mechanical grit equipment, digesters and clairifier, Contr. B, to Dorr Co., 330 Bay St., $18,358; diffuser plates, Contr. H, to Laurie & Lamb, 42 St. Sacrament St., Montreal, Que., $1,410; glass covering for sludge beds, Contr. K, to King Constr. Co., 40 Dover Court Rd., $3,700. Grand total $64,068.

Ont., Toronto — W. D. Annis, clk. Scarborough Twp., South Trunk Sewer, Contr. G., to Grant Contr. Co., 47 Wellington St. E., $26,850; Contr. H, to G. Simone, 10 Coleridge Ave. $24,410; Wardin Ave. Storm Overflow, Contr. K, to McGuire Constr. Co., 52 Winson Ave., $68,800; concrete pipe, to John E. Russell Co. Ltd., Reford Bldg. Grand total $120,060. Noted July 26.

Waste Disposal

Bids Desired

N. C., Charlotte—Aug. 29, by Bd. Comrs., City Hall, 120 ton incinerator, etc.

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High-Early-Strength

Universal Concrete

is made with the usual

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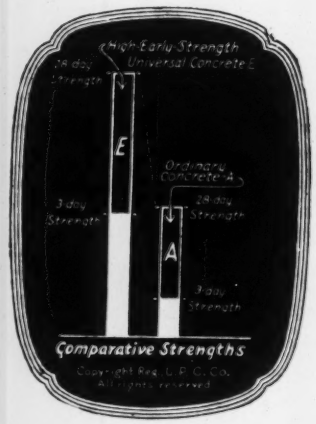
Altho *High-Early-Strength* Universal Concrete gives decidedly *unusual* results, it is made with the *usual* labor, *usual* materials, *usual* equipment and *usual* Universal cement—all applied according to fully tested methods. It is not necessary to buy, stock and handle a special cement at premium prices. There is but one grade of Universal cement and that grade—the grade used on other construction—is used in making *High-Early-Strength* Universal Concrete.



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Without obligation, send me detailed information on methods for securing strong concrete in *3 days* with the *usual* materials, *usual* equipment, *usual* labor and *usual* Universal cement.

Name .....

Address ..... **ENR 8-23-28**

Waste Disposal (Continued)

Contracts Awarded

N. J., Asbury Park—City Comrs., City Hall, A. G. King, clk., incinerator, to Pittsburgh-Des Moines Steel Co., 50 Church St., New York, $130,000. Noted June 28.

Bridges

Proposed Work

N. Y., Syracuse—Plans 60 x 100 ft. wide bridge, Blaine St. and Midland Ave. $37,000. N. F. Pitts, Jr., State Tower Bldg., engr.

N. J., Jersey City — Pennsylvania R.R. T. J. Skillman, ch. engr., Broad St. Sta., Phila., Pa., reconstructing 2 concrete and steel bridges Baldwin Ave., $50,000. Private plans.

O., Cleveland — City, rein.-con., steel bridge, West 117th St., $300,000. R. Hoffman, City Hall, engr.

Calif., San Jose — Plans bridge over Guadalupe River, San Fernando St., $24,000, and bridge, Los Gatos and Park Ave. $18,000. W. D. Lotz, 1040 Benton St., San Jose, engr.

Bids Desired

N. Y., Buffalo—Sept. 4, by Bd. Supervs. Erie Co., bridge over Eighteen Mile Creek, Southwestern Blvd., east of North Evans. G. Diehl, Ellicott Sq., engr. Noted July 12.

New Jersey—Aug. 28, by Joint Bds. Freeholders Morris and Essex Counties, Court House, Somerville, Davidson's Bridge over Passaic River, on road between Basking Ridge and Millington; adv. E. N.-R. Aug. 23.

Pa., Ebensberg—Aug. 29, by H. L. Cannon, controller Cambria Co., Court House, two 36 ft. concrete girder beam span bridge, over Susquehanna River at Garman, 22 ft. with 5 ft. sidewalk.

D. C., Wash. — Sept. 20, by District Comrs., District Bldg., steel girder bridge in line of M St. N. W. crossing Rock Creek; adv. E. N.-R. Aug. 23.

Ohio—Aug. 31, by H. J. Kirk, dir. Hys., Columbus, constructing bridges in Ashland, Champaign, Clinton, Crawford, Delaware, Erie, Highland, Huron, Madison, Mahoning, Muskibgum, Paulding, Pickaway, Richland, Tuscarawas, Union, Van Wert, Wayne, Defiance and Henry Counties. Engr. est. $780,000.

Indiana—Aug. 30, by J. D. Williams, dir. State Hy. Comn., Indianapolis, bridge, Road 29-M, Clinton Co.—2 bridges, Road 25-G, Fulton Co.—extending bridge, Road 2-B, Lake Co.—bridge, Road 67-H, Morgan Co.—bridge, Road 56-P, Switzerland Co.

Michigan — Sept. 6, by C. L. Cowgill, resident engr., Plymouth, Bridge 1 of 81-9-8, C2 and 3, two 55 ft. span steel deck girder, Washtenaw Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 12, by H. G. Oakes, resident engr., Cadillac, Bridge 1 of 45-5-1, C-1 and 2, two 24 ft. and one 50 ft. steel deck girder, Leelanau Co., for State Hy. Dpt., Lansing.

Illinois—Aug. 28, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, rein.-con., steel bridges jn Cook, Henry, Cass, Morgan, Henderson, Hancock, Pike, McLean, Johnson, St. Clair, Madison, Randolph, McClain, McHenry, Vermilion and Lake Counties. F. T. Sheets, hy. engr.

Wisconsin and Michigan—Sept. 11, by Wisconsin and Michigan State Hy. Comns., City Hall, Marinette, Wis., Interstate Grade Separation, Contr. 4, and bridge, Contrs. 5 and 6, for Trunk Line Bridge 1 of 55-7-21, Marinette Co., Wis. and Menominee Co., Mich.; adv. E. N.-R. Aug. 23.

Washington — Sept. 4 ,by State Hy. Comn., Olympia, 162 ft. steel thru truss span bridge over Coweeman River, State Rd. 1, Federal Aid Project 147-C, near Kelso—two 171 ft. steel thru truss span bridge with 75 ft. concrete I-beam approaches over Kalama River, State Rd. 1, Federal Aid Project 147-D, near Kalama, both Cowlitz Co. S. J. Humes, hy. engr.

Calif., Merced—Aug. 29, by C. H. Purcell, Pub. Wks. Bldg., Sacramento, state hy. engr., reconstruction of one 306 ft. steel swing span, one 70 ft. steel truss span and one 170 ft. timber trestle bridge over San Joaquin River near here, in Merced Co.

Calif., Nicolaus—Sutter Co. (Yuba City) bids about Sept. 1, repairing portion bridge over Feather River. $30,000. W. C. Shearer, Yuba City, co. engr.

Calif., Redding—Sept. 5, by State Hy. Dpt., Sacramento, three 38 ft. span rein.-con girder bridge on concrete bents and abutments with wing walls, one over Indian Creek 42 mi. west of here one 60 ft. and one 39 ft. span on concrete bent and abutments with wing walls, over Grass Valley Creek, 35 mi. west of here. C. H. Purcell, Sacramento, engr.

Calif., Roseville—Aug. 29, by City Council, 2 rein.-con., girder type bridges over Southern Pacific R.R. $11,750. Cost will be borne by railway company. H. B. Hammill, 381 Bush St., San Francisco, engr. Noted June 14.

Contracts Awarded

New York—A. W. Brandt, comr. Highways, Albany, **(e.e. means engineers estimate)** bridge in Jefferson Co., to L. W. Williams, Mexico, $102,446 e.e. $140,192; bridge in Greene Co. from I. V. A. Huite, 178 Riverside Dr., New York, $44,092 e.e. $50,441; bridge in Schenectady Co. to R. E. Weber, Schenectady, $19,305 e.e. $24,202. Grand total $165,843. Noted July 26.

N. Y., Buffalo—City, City Hall, R. J. Reidpath, 333 Jackson Bldg., engr. to Independent Bridge Co., Neville Island, Pittsburgh, Pa. repairing Seneca Street Viaduct $21,400; Hamburg Street Viaduct $114,400 and Michigan Ave. Viaduct $59,900. Grand total $195,700.

Pa., Waynesburg—Comrs. Greene Co., two 75 ft. concrete span bridge over Ten Mile Creek, to Pittsburgh Foundation Co., Keystone Bldg., Pittsburgh. $34,944.

Alabama—State Hy. Comn., Montgomery, bridges in Wilcox Co. and Coosa and Chilton Counties, to J. Graham, Montgomery, $101,471 and $15,121 respectively—Blount Co. to W. C. McCoy, Lafayette, $57,827—Dallas and Lowndes Counties to T. P. Wright, East Point, Ga., $40,095—Fayette Co. to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, $17,994—Talladega Co. to A. H. Singer, Lafayette, $16,052—Jackson Co. to S. C. Cox, Clanton, $40,848. Grand total, $289,408. Noted July 26 under "Streets and Roads."

O., New Boston (sta. Portsmouth) — Concrete span bridge over Millbrook lake to connect Rhoades Ave. and Gallia St., to Universal Contr. Co., Portsmouth, $74,370.

Michigan—At Saginaw Co. Road Office, Saginaw, Reward Bridge 1 of 73-10-22, C-1, two 70 ft. spans, Saginaw Co., Contr. 1, to Massillon Bridge Co., Massillon, O., $9,530; Contr. 2, to Colman & Harding, Detroit, $46,535, for State Hy. Dpt., Lansing. Noted July 19.

Wisconsin—State Hy. Comn., Madison, Newville Bridge, Div. Job 1177, Rock Co. to P. J. Dunlap, Mt. Horeb, $59,384.

Wisconsin—State and Jackson Co. Hy. Comns., La Crosse, Sims Bridge, Project B-5563, and Scott Bridge and Cattle Pass, Project 5094, to H. Turner & Son, Wauzeka $3,248 and $5,858 respectively—Polleys Bridge, Project 5094, to Metzger & Son, Blair $13,958—Melrose-Irving Bridge, Project 5113, to J. O. Fischer, Wausau $14,140—shale surfacing 1.1 mi. Northbend-Melrose Rd., Project 5094, to G. B. Palmer Co., 1130 Baker Bldg., Minneapolis, Minn. $10,457. Grand total $47,661.

Missouri — State Hy. Comn., Jefferson City, to List & Weatherly, Kansas City, 80 ft. arch, ten 40 ft. rein.-con. deck girder spans, over Spring River overflow, $33,038, 77.5 ft. 100 ft. 122.5 ft. arch, seven 40 ft. rein.-con. deck girder spans, over Spring River, $49,137, eleven 35 ft., two 45 ft. rein.-con. deck girder spans over Missouri Pacific R.R. tracks, $38,589, all Jasper Co.—to Carte-Harlin Constr. Co., West Plains, three 40 ft. rein.-con. deck girder spans over Clubb Creek, $9,865, four 20 ft. rein.-con. slab spans, over Clubb Creek overflow, $6,594, two 6 ft. rein.-con. slab spans over creek, $886, all Bollinger Co.—to John Spitcaufsky, Kansas City, two 9 ft. rein.-con. slab spans, over Haines Creek, $1,932, two 10 ft. rein.-con. slab spans over Clubb Creek, $2,879, two 11 ft. rein.-con. slab spans over Wisdom Creek, $2,436, 40 ft. rein.-con. deck girder spans over Corman Creek, $5,453, all Benton Co.—to A. A. Davis, Kansas City, 35 ft., 40 ft., 45 ft. rein.-con. deck girder spans over Portopen Bay, $9,825, three 30 ft. rein.-con. deck girder spans over D.D.18, $6,858, 45 ft. rein.-con. deck girder spans over D.D.37, $4,333, all New Madrid Co.—to G. W. Condon, Omaha, Neb., two 25 ft., eight 40 ft. rein.-con. deck girder and one 120 ft. steel truss spans over 102 River, $38,229, three 20 ft. rein.-con. slab spans over 102 River overflow, $5,675, Nodaway Co., 80 ft. steel truss, two 40 ft. rein.-con. deck girder spans, over Squaw Creek, D.D., Holt Co., $16,640—to Penzel & Lemaster, Jackson, two 50 ft., one 40 ft. rein.-con. deck girder spans over railroad tracks, $13,333, one 80 ft. steel truss, two 45 ft. rein.-con. deck girder spans, $16,106, Cape Girardeau Co.—to A. P. Poirot, Belleville, Ill., two 10 ft. rein.-con. slab spans over creek, Iron Co., $3,025—to Millers Garage, Inc., St. Louis, five 30 ft. rein.-con. deck girder spans over Flat River, St. Francois Co., $16,773. Grand total $281,607. Noted June 21.

Texas—G. Gilchrist, State hy. engr., Austin, **(e.e. means engrs. est.)**, bridge in Milam Co. to Thomas & Ratliff, Rogers, $94,074 e.e. $111,600—Kent Co. to Gaines & Yoakum, 519½ West Main St., Oklahoma City, Okla., $48,237 e.e. $60,000—McCulloch Co. to McKeown & Wood, Stephensville, $21,167 e.e. $26,000—Harris Co. to S. Starkey, 304 Stewart Bldg., Houston, $22,973 e.e. $36,000. Grand total $186,451. Noted July 26.

Colorado — Denver & Rio Grande Western R.R. Co., A. O. Ridgeway, ch. engr., Denver, rein.-con. girder bridge, casting rein.-con. girders and installing rein.-con. piers and abutments, to Pueblo Bridge & Constr. Co., 810 East 8th St.; installation by own forces.

Dams

Bids Desired

N. J., Oakhurst—Sept. 7, by Ocean Twp., Mechanics Hall, constructing, widening 2 culverts, dam, Wickopecko Dr., Wanamassa. J. W. Seaman, 210 Bway., Long Branch, engr.; adv. E. N.-R. Aug. 23.

Railways

Proposed Work

Pennsylvania — Bellefonte Central R.R. Co., V. S. Jodon, pres. and genl. mgr., Bellefonte, 6 mi. extensions between Struble and Fair-Brook, Center Co. $138,020-$150,000.

Florida—Florida East Coast Ry., L. C. Frohman, principal asst. engr., St. Augustine, 9.5 mi. branch line from Belgrade-Chosen to point on west bank Miami Canal to terminate at Lake Harbor, on Lake Okeechobee.

Texas — Texas-New Mexico Ry. Co., (subsidiary Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., Dallas), plans constructing 58 mi. railway in Ward and Winkler Counties.

California—Turlock & Eastern R.R. Co., (recently incorporated) W. F. Beard, 726 10th St., Modesto, pres., plans 5 mi. railway between Turlock and Cortez, on the line of Atchison, Topeka and Santa Fe. $250,000.

Bids Desired

Massachusetts — Aug. 29, by Transit Dpt., 1 Beacon St., Boston, Sect. 5 A, Dorchester Rapid Transit, incl. ¾ mi. 2 track surface railway, roadbed, drainage systems, concrete retaining walls, bridges, paving, grading, etc., for City.

Colorado—See "Contracts Awarded."

California — Southern Pacific R.R. Co., G. W. Boschke, ch. engr., 63 Market St., San Francisco, bids about Sept. 6, grading 97 mi. of new line, as a cut-off between Alturas, California and Klamath Falls, Oregon, $3,000,000.

Contracts Awarded

Colorado — Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Missouri Pacific Bldg., St. Louis, Mo., 2,816 ft. switch track, 45 acre stockyards, incl. loading and branding chutes, feed racks, 2,500 gal. water storage tank, water pipe line, pens, alleys in Haswell, day labor. $25,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Charlestown (sta. Boston)—Glendale Coal Co., 47 Medford St., plans pile and timber bulkhead and fill solid in Mystic River. $25,000. Private plans.

Conn., Stamford—W. G. McCullough, co. Fougner & Gautier, engrs., 103 Park Ave., New York plans dredging, filling, sea walls, yacht basin, etc. $250,000.

N. Y., Buffalo—Dredging Scajaguada Creek 1,900 ft. up stream from mouth, to 10 ft. below lake level. C. E. P. Babcock, Municipal Bldg., city engr.

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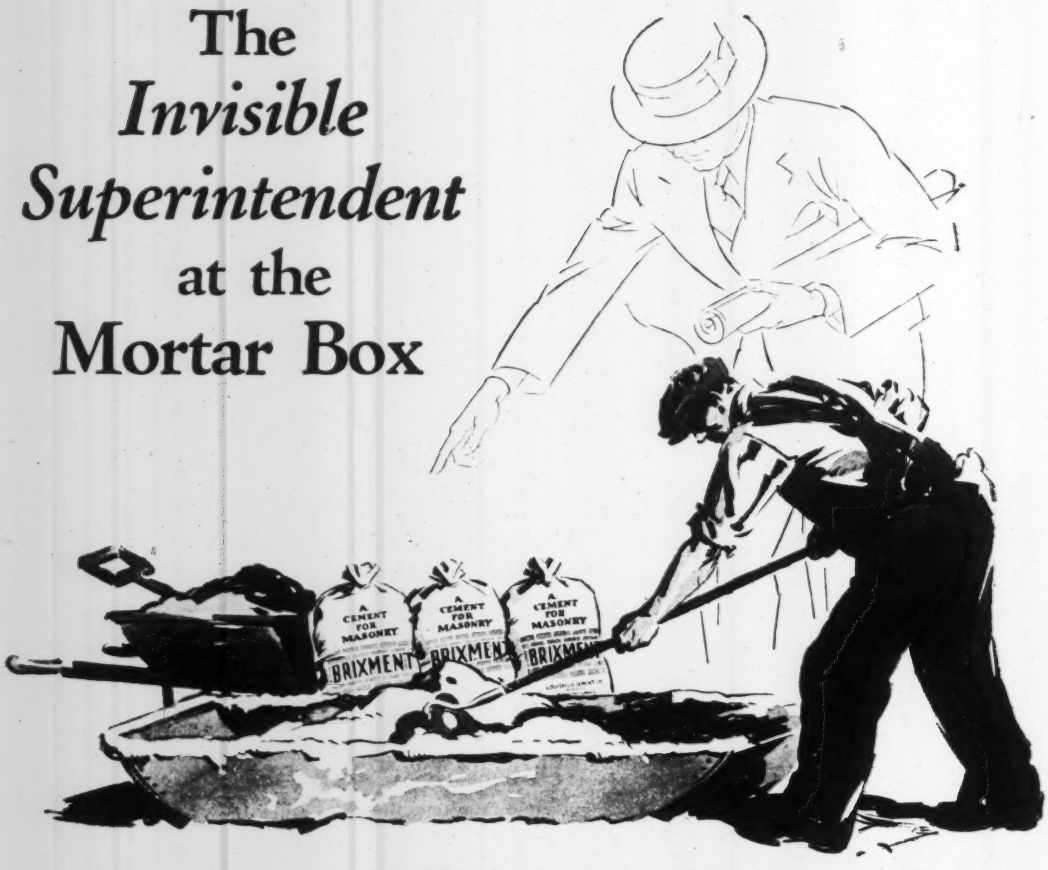
The *Invisible Superintendent* at the Mortar Box



Assures the Mix You Specify

EVEN when the architect specifies the ideal mix for portland-cement-and-lime mortar, he has no assurance that his specifications will be accurately followed unless his superintendent is constantly at the mortar box. . .The proportion of lime may be increased for the sake of plasticity or the mix may be over-sanded. In either case the strength of the mortar is impaired.

The use of BRIXMENT, however, is your assurance that all mortar will be uniform in strength and color and that specifications will be accurately followed. If over-sanded, BRIXMENT mortar works short and, since there is no lime in the mix, the necessary plasticity can be secured only by using the proper amount of BRIXMENT. *Handbook on request.* Louisville Cement Co., *Incorporated,* Louisville, Kentucky.

District Sales Offices: 1610 Builders Building, *Chicago;* 301 Rose Building, *Cleveland;* 602 Murphy Building, *Detroit;* 1015 Chestnut St., *Philadelphia.*

BRIXMENT

for Mortar and Stucco

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Ark., Osceola—Sub-District 1, of Dist. 11, Mississippi Co., c/o R. E. L. Wilson, Jr., bids in November, 30,000 acres drainage system. $30,000. Noted Aug. 2.

Tex., Donna — J. A. Almirall, 53 Park Pl., New York, Valley Orchards Co. Inc., Donna, in charge developing 320 acres incl. cement pipe irrigation system and graveled streets. $60,000. Private plans.

Calif., Merced — Dos Palos D.D., Dos Palos, plans 9,000 acres in and about town of Dos Palos. (Dist. will be formed by County Supervs. to finance project). $50,000.

Ont., Zurich—Hay Twp., A. F. Hess, Clk., drainage improvements. $30,000. R. Patterson, Goderich, engr.

Bids Desired

O., Van Wert—Aug. 30, at office Auditor Van Wert Co., straightening, deepening, widening Ditch 1086, Pleasant Ridge and Hoaglan Twps., incl. 103,237 cu.yd. excav., laying 3,490 ft. 4- to 24-in. tile. $36,536. T. K. Priddy, co. surv.

Tex., Galveston—See "Unclassified."

Calif., Westley — See "Contracts Awarded."

Bids Received

Illinois — Division of Waterways, Dpt. Purchases & Constr., State House, Springfield, Aug. 8, gate and valve operating machinery for Marseilles Canal, Starved Rock, Dresden Island, and miter lock, taintor gates for Brandon Rd. and Dresden Island Locks, from Independent Bridge Co., Neville Island, Pittsburgh, $340,222 and $970,385 respectively.

Contracts Awarded

Mass., Cohasset — Commonwealth of Massachusetts, Dpt. P. Wks., Boston, dredging in Cohasset Harbor, to J. S. Packard Dredging Co., Turks Head Bldg., Providence, R. I., $10,695.

Ill., East St. Louis — Bd. Park Comrs. East St. Louis Park Dist., 929 Missouri Ave., St. Louis, Mo., dredging 1,845,000 cu. yd. excav., to Minneapolis Dredging Co., 2129 University Ave. S.E., Minneapolis, Minn., at $0.152 per cu.yd. Noted July 19.

Ill., Lawrenceville—England Pond D.D., levee work, incl. 436,512 cu.yd. excav., sluiceways, concrete forebay, to F. C. Morgan, 215 E. N. Y. 200, Indianapolis, Ind., $39,076. This corrects report in Aug. 9 issue.

Tex., Mission — C. Campbell, irrigating 600 acre tract, laying 12, 14 and 18 in. concrete pipe. $75,000. Owner builds. Private plans.

Wis., Kenosha—See "Unclassified."

Wash., Seattle—See "Streets and Roads."

Calif., Westley—West Stanislaus Irrigation Dist., 300,000 sq.ft. canal excav. for concrete lining, day labor. W. F. Wooler, Patterson, ch. engr.

Ontario — Dpt. P. Wks., Parliament Bldgs., Ottawa, dredging at Hamilton and Owen Sound, to Randolph Macdonald Co., Crown Office Bldg., Toronto, $18,000; Bruce Mines, to Soo Dredging Co., 604 Queen St., Saulte Ste Marie, $27,000; Bying Inlet, to R. G. Weddell, Trenton, $15,000; pier reconstruction at Kincardine, to Henry & Ross, Kincardine, $21,500. Grand total $81,500. Noted May 31.

Ontario — S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging at Cobourg, to Natl. Sand & Material Co., Welland, $15,-400; Port Hope, to R. G. Weddell, Trenton, $11,760; repairing harbor at Port Burwell, to J. Clifford, Embro, $12,982. Grand total $40,142. Noted July 26.

N. B., St. John—St. John Harbor Comrs., (1st unit) harbor development, incl. 800,000 yd. dredging, 800 ft. pier, to Atlas Constr. Co., 37 Belmont St., Montreal, Que. Est. $2,500,000. Noted June 28.

Streets and Roads

Proposed Work

N. Y., New York—Bd. Estimate & Apportionment, City Hall, approved $10,000,-000 appropriation, elevated highway along Hudson River from Canal to 59th Sts. J. Miller, pres. Manhattan Boro. Noted Oct. 28, 1926.

Tex., Ft. Worth—City, plans expending $1,000,000 paving streets during next 12 months. D. L. Lewis, city engr.

Colorado — State Hy. Dpt., Denver, paving 26 mi. between Pueblo and Colorado Springs. $1,500,000. L. D. Blauvelt, Denver, State Hy. engr.

Wash., Seattle—Bd. P. Wks. returned bids unopened regrading Denny Hill Dist. $1,600,000. W. D. Barkhuff, city engr. Noted May 17.

Bids Desired

New York — Sept. 7, by A. W. Brant, comr. Hys., Albany, improving roads in Chautauqua, Cortland, Nassau, Onondaga, Orange, Suffolk and Ulster Counties; reconstructing roads in Cattaraugus, Erie, Oneida, Onondaga, Orange, Ulster Counties; bridges in Delaware, Essex, Warren and Wyoming Counties; drainage system in Nassau Co.; adv. E. N.-R. Aug. 23.

N. Y., Brooklyn—Aug. 29, by J. J. Byrne, pres., Brooklyn Boro, Boro Hall, grading, granite block on concrete paving Grand Ave.; grading, sheet asphalt on concrete paving Linden Blvd., Avenue M, Crown and Marginal Sts.

N. Y., New York—Aug. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving 8th Ave. from Greenwich Ave. to 28th St., 8th Ave. from 28th to 48th Sts., 8th Ave. from 48th to Columbus Circle, 5th Ave.; granite block on concrete widening 110th St.; asphalt block on concrete paving Fort Washington Ave.

N. Y., New York—Aug. 31, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., grading, sewer work in Concourse Yard, West 206th St., Navy and Jerome Aves. for Rapid Transit R.R.

N. Y., Rye — Aug. 29, at office W. H. Selzer, village clk., Municipal Hall, Purchase St., rein.-con. paving Redfield St., Beck, Forest and Stuyvesant Aves.; tar, asphaltic macadam or penetration method paving Newberry Pl. and Hewlett St. J. A. Ehler, village engr.; adv. E. N.-R. Aug. 23.

N. J., Toms River—Aug. 28, by Bd. Freeholders Ocean Co., Court House, rein.-con. paving State Hy. Route 37, Point Pleasant-Seaside Heights Rd., Sects. 1 and 2. H. C. Shinn, Municipal Bldg., Lakewood, co. engr.; adv. E. N.-R. Aug. 23.

N. J., West New York—Aug. 28, by Bd. Town Council, Municipal Bldg., grading, bituminous concrete on concrete paving Lincoln Pl. $25,000. F. J. Oleri, 650 Bergenline Ave., engr. Noted July 4.

Pennsylvania—Aug. 30 and Aug. 31, by State Hy. Comn., Harrisburg, grading, one course rein.-con. paving projects in Beaver, Berks, Blair, Bucks, Chester, Clearfield, Crawford, Cumberland, Delaware, Erie, Indiana, Jefferson, Lebanon, Lancaster, McKean, Montgomery, Northampton, Susquehanna, Tioga, Venango, Wayne, Westmoreland, York Counties. J. L. Stuart, secy. hy. comn. adv. E. N.-R. Aug. 23.

Pa., Phila.—Aug. 28, by Dpt. P. Wks., Bureau of Hys., Schedule A, grading 227,-960 cu.yd.; Schedule B, paving (assessment work); Schedule C, improving country roads; Schedule D, asphalt repaving; Schedule E, redressed granite block repaving; Schedule F, curbing, footway work. A. Murdock, dir.

Maryland — Aug. 28, by State Roads Comn., Baltimore, penetration macadam paving 0.5 mi. Contr. M-116, Montgomery Co. J. N. Mackall, chn.

Maryland — Aug. 28, by State Roads Comn., Baltimore, concrete shoulders on 0.13 mi. Contr. M-17-A, Montgomery Co.—grading 4.74 mi. Contr. CE-67, Cecil Co. J. N. Mackall, chn.

Md., Baltimore—Aug. 29, by Bd. Awards, concrete paving 7,350 sq.yd. streets Contr. 480. N. L. Smith, highways engr.

W. Va., Wheeling — Aug. 30, by Bd. Comrs. Ohio Co., concrete paving 8,000 lin.ft. Glenns Run-Cherry Hill Rd. T. C. Stevenson, clk.

Ala., Birmingham—A. J. Hawkins, city engr., takes bids about Sept. 1, paving 5,000 ft. 27th Ave. N., 77th St. and sections of other streets, $121,100.

Miss., Columbia—Sept. 3, by Bd. Supervs. Marion Co., grading, brick or concrete paving 0.5 mi. roads, 18 ft. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Laurel—Sept. 5, by Bd. Supervs. Jones Co., grading, culverts, bridges, Bermuda sodding 5.421 mi. Laurel-Ellisville Rd. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Oxford—Sept. 7, by Bd. Supervs. Lafayette Co., grading, graveling 8.5 mi. roads, 18 ft. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Starkville — Sept. 6, by Bd. Supervs. Oktibbeha Co., grading, removing old curbing, recurbing, concrete paving 29,-286 sq.yd. roads. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Tenn., Knoxville—Aug. 27, by City, W. W. Mynatt, dir. P. Wks., curbing, guttering, paving streets, also widening, paving Henley St.; adv. E. N.-R. Aug. 23.

Ohio—Aug. 31, by H. J. Kirk, dir. Hys., Columbus, grading, paving Athens, Butler, Champaign, Cuyahoga, Franklin, Fulton, Hamilton, Hancock, Holmes, Lorain, Licking, Medina, Portage, Seneca, Wood and Crawford Counties. Engr. est. $1,900,000.

O., Columbus—Aug. 25, by F. L. Donnally, clerk Franklin Co., water bound macadam paving 0.21 mi. Chase Ave. Sharon Twp. engr. est. $6,296—3.057 mi. David Taylor Rd. Jefferson Twp. engr. est. $60,238—bituminous macadam paving 0.154 mi. Northwest Blvd., Clinton Twp. engr. est. $6,949.

O., Columbus—Aug. 29, by F. L. Donnally, clk. Franklin Co., 5 in. waterbound macadam paving 11,000 sq.yd. Truro Twp., est. $12,200—10,000 sq.yd. Mifflin Twp., est. $11,647.

Ind., Anderson — Comrs. Madison Co., taking new bids in September paving 1½ mi. Harrison St., 30 ft. $42,000. A. B. Steele, Anderson, engr. Former bids rejected.

Ind., Decatur—Sept. 5, by Comrs. Adams Co., macadam paving Herman Bunck Rd. in Preble Twp. Jeff Crum Rd. in Kirkland Twp. M. Jaberg, Decatur, aud.

Ind., Indianapolis—Aug. 22, by Bd. P. Wks., bituminous paving Ruckle St., Washington Blvd. and College Ave.

Ind., Liberty—Sept. 3, by Comrs. Union Co., concrete paving Samuel Hull Rd. $38,-500. G. B. Howsen, Liberty, aud.

Michigan — Aug. 30, by E. R. Benkert, resident engr., Port Huron, concrete paving and widening 1.009 mi. MO74-31, C-1, and 0.994 mi. MO74-13, C-1, Sanilac Co., for State Hy. Dpt., Lansing.

Michigan — Sept. 13, by C. L. Cowgill, resident engr., Plymouth, concrete paving 1.088 mi. MO50-6, C-1, 20 ft., Macomb Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 12, by R. W. Roberts, resident engr., Saginaw, concrete paving 3.577 mi. MO9-11, C-1, and 2.831 mi. MO9-16, C-1, 20 ft., Bay Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 20, by H. G. Oakes, resident engr., Cadillac, improving 1.395 mi. MO15-8, C-1, 20 ft., Charlevoix Co., for State Hy. Dpt., Lansing.

Illinois—Aug. 29, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving 129.64 mi. roads in Edgar, Fayette, Winnebago, Schuyler, Cook, Kendall, Lake, Kane, Cass, Morgan, Carroll, JoDaviess, Henry, Henderson, Hancock, Pike, McClain, Madison, St. Clair, Randolph, Perry, Shelby, Moultrie, Macom and McHenry Counties—grading 22.56 mi. roads in St. Clair, Cook, Henry, Pike, Cass and Morgan Counties. F. T. Sheets, ch. hy. engr.

Ill., Fox Lake—Bids about Sept. 1, 80,-000 sq.ft. sidewalks. $33,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Wis., Milwaukee—Aug. 25, by Dpt. P. Wks., R. E. Stoelting, comr., grading, sidewalks, paving 7 alleys, 10 streets, Fiebrantz, Park Hill and St. Paul Aves.

Ia., Council Bluffs — Sept. 4, at office Auditor Pottawattamie Co., 19,500 cu.yd. excav. and placing in embankment, 44,400 units overhaul. E. E. Cook, Council Bluffs, co. engr.

Ia., Keokuk — Aug. 31, by H. B. Blood, city clk., warrenite, asphalt, asphaltic concrete, 6 in. rein.-con. resurfacing 26,040 sq.yd. 7th, 9th, 11th and Franklin Sts. $51,784. C. J. Nelson, City Hall, engr.

Ia., Sac City—Aug. 28, by Auditor Sac Co., graveling 10.75 mi. secondary roads. M. A. Varley, Sac City, co. engr.

Ia., Spirit Lake — Aug. 27, by Auditor Dickinson Co., graveling 23.5 mi. roads. R. A. Furman, Spirit Lake, co. engr.

Minn., Minneapolis—Sept. 4, by A. P. Erickson, aud. Hennepin Co., asphaltic concrete or concrete paving 0.7 mi. Superior Blvd., 20 ft. $28,910-$19,618. W. E. Duckett, hy. comr.

Kan., Eureka—Sept. 17, by Clerk, Greenwood Co., grading, culverts, 4.355 mi. U. S. 54-Federal Aid Project 239-F, 30 ft., Kansas Engr. Co., 601 Kansas St., Topeka, engrs.

Kan., Hays—Sept. 7, by Clerk Ellis Co., 13,356 cu.yd. sand gravel surfacing U. S. 40-S-Kansas Project 536, 30 ft. C. J. Larditach, engr.

Kan., Kingman—Sept. 6, by Clerk Kingman Co., grading, culverts 8.187 mi. U. S. 54-Federal Aid Project 341-E, 36 ft., C. C. Martin, engr.

Kan., Norton—Sept. 13, by Clerk Norton Co., grading, culverts, 5.397 mi. U. S. 36-Federal Aid Project 345-B, 30 ft., J. P. Boesche, Norton, engr.

Mo., Higginsville — Aug. 28, by R. A. Buscher, city clk., 6 in. concrete paving 8,368 sq.yd. Blackstone and Boggs Sts. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Mo., St. Louis—Aug. 28, by Bd. P. Serv., City Hall, rein.-con. paving Arsenal and Bamberger Sts.—asphalt paving Macklind St., Blair and Compton Ave.—vibrolithic

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concrete paving Veronica St. W. W. Horner, City Hall, engr.

Mo., St. Louis—Sept. 11, by Bd. P. Serv., City Hall, grading, concrete paving 11,450 sq.yd. Alleys in City Blocks 1033, 1323, 3964, 5125, 5514, 5595 and 5743. $31,490. W. W. Horner, city engr.

Tex., Mission—Sept. 19, by Hidalgo Co. Rd. Impvt. Dist. 5, c/o A. W. Cameron, judge, Edinburg, concrete paving 60 mi. roads, incl. Lomita Blvd., 18 ft. $1,500,000. P. S. Devine, Edinburg, co. engr.

Colorado — Aug. 22, by State Hy. Dpt., Denver, paving 1.224 mi. and overhead crossing, south of Aguilar Las Animas Co., $50,000—paving 1.633 mi. at Aguilar, Las Animas Co., $50,000. L. D. Blauvelt, Denver, engr.

Colorado — Aug. 28, by State Hy. Dpt., Denver, **(F.A.P. means Federal Aid Project)** grading 3.663 mi. Hy. 19, F.A.P. 293-C, Ouray Co.—2.39 mi. Sect. 1, Montezuma Co.—grading, concrete paving 0.921 mi. Hy. 2, F.A.P. 287-D, Contr. Div. 2, Weld Co.—gravel surfacing 4.833 mi. Hy. 106, F.A.P. 147-B, Montezuma Co.—600 ft. rock filled bulkhead bank protection at bridge, Hy. 13, F.A.P. 282-A, reopened, Moffat Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

N. M., Clovis—City, c/o R. V. Miller, secy., taking bids grading, curbing, guttering, alternate types paving 6 streets. $68,000. Devlin Eng. Co., First Medical and Professional Bldg., Amarillo, Tex., engr.

Washington — Sept. 4, by State Hy. Comn., Olympia, **(S.R. means State Road, F.A.P. Federal Aid Project)**, grading 195,000 cu.yd. S.R. 2, F.A.P. 114-E, 157,490 cu.yd. S.R. 3, F.A.P. 165-A, Kittitas Co., 111,550 cu.yd. S.R. 4, Ferry Co.; screened gravel resurfacing 4,360 cu.yd. S.R. 8, Klickitat Co. S. J. Humes, state hy. engr.

California — Aug. 29, by C. H. Purcell, Sacramento, state hy. engr., grading, oil treated crushed stone or gravel surfacing 22.1 mi. hy. between Hopkins Well and Black Butte, Riverside Co.—widening asphaltic concrete paving 6.1 mi. hy. between Tulare and Plaza Garage, Tulare Co.

California—Sept. 5, by State Hy. Comn., Sacramento, grading, concrete paving 11.4 mi. Sonoma Co.—grading, crushed gravel or stone surfacing 2.5 mi. Nevada Co.—0.8 mi. San Joaquin Co.—grading, asphalt concrete paving Madera Co. C. H. Purcell, Sacramento, engr. Noted Aug. 9.

Calif., Los Angeles — Taking new bids grading, curbing, guttering, 8 in. concrete paving 258,020 sq.ft. Beverly Blvd., between Harper Ave. and Norwich Dr. Former bids rejected. Noted July 12.

Calif., Los Angeles—Sept. 4, by Supervs. Los Angeles Co., curbing, walks, guttering, 5 in. disintegrated granite on 6 in. concrete paving Wilshire Blvd., between Federal and Veteran Aves. To exceed $25,000.

Calif., Rio Linda—Sacramento Co. taking bids grading, asphaltic concrete paving 2½ mi. Hartman Rd., near here. $30,000. C. W. Deterding, co. engr.

Calif., San Diego—Sept. 4, by Common Council, concrete curbing, guttering, sidewalk, 6 in. concrete paving 202,692 sq.ft. College and other streets.

Calif., South Gate—City Trustees, taking bids grading, curbing, walks, 5- to 7-in. compressed concrete paving 190,844 sq.ft. Admore Ave. E. M. Lynch, Central Bldg., Los Angeles, engr.

Bids Received

New York—A. W. Brandt, comr. Highways, Albany **(e.e. means engineers estimate)** from C. H. Earle, Inc., Rockville Center, concrete and bituminous macadam paving Jones Beach Causeway, Nassau Co., $1,116,558 e.e. $1,171,410; 4.33 mi. road Nassau Co. $484,949 e.e. $694,731, 0.32 mi. road Nassau Co. $101,402 e.e. $130,108, 0.28 mi. road Nassau Co. $14,052 e.e. $15,705; from S. B. Easton, Albany, 3.46 mi. road in Albany Co. $172,880 e.e. $236,990, from Malloy Constr. Co., Inc., 24 Henry St., Schenectady, 0.62 mi. Schenectady Co. $18,123 e.e. $21,838; from Riteway Constr. Co., 299 Bway., New York, 0.16 mi. road in Montgomery Co. $12,626 e.e. $13,148; from Lane Constr. Co., 37 Colony St., Meridan, Conn., $429,450 e.e. $573,446; from J. Mascetti Co., Torrington, Conn. 4.13 mi. road in Dutchess Co. $195,065 e.e. $279,032; from R. E. Weber, Schenectady, 3.6 mi. Columbia Co. $216,906 e.e. $285,566. Grand total $2,762,071. Noted July 26.

Contracts Awarded

Vermont—State Hy. Dpt., State House, Montpelier, rein.-con. paving hy. in Berlin and Montpelier to Central Constr. Co., Essex St., Lawrence, Mass. $36,838.

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Massachusetts—Dpt. P. Wks., State House, Boston, bituminous macadam paving 17,925 ft. hy. in Richmond and West Stockbridge, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $123,964—3,175 ft. in Georgetown, to J. E. Watkins, 41 Pow Wow St., Amesburg, $26,703—5,126 ft., Methuen, to L. C. Cyr, 45 Melrose St., Lawrence, $27,522—9,785 ft., Ayer to Greenough Constr. Co., South Acton, $52,483—6,705 ft. Holden, to Guaranty Constr. Co., Shirley, $51,011—13,375 ft. Abington and Whitman, to Interstate Highway Constr. Corp., 200 Hancock St., Quincy, $75,304—7,500 ft. Lowell to Indianhead Constr. Co., Lowell, $44,151—gravel and bituminous macadam paving 3,131 ft. Royalston to Warner Bros. & Goodwin Inc., Sunderland, $16,167—rein.-con. paving 4,108 ft. Malden and Medford to J. H. Fannon, West Somerville, $44,963—Grand total $462,268. Noted Aug. 2.

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, grading, etc. Sept. 2 hy. in Malden and Melrose to Interstate Highway Constr. Co., 200 Hancock St., Quincy, $17,290—Sect. 3 to J. H. Fannon, 30 Powder House Terrace, Somerville, $12,320.

Mass., Boston—Dpt. P. Wks., sheet asphalt paving Washington St. Boston Proper to Central Constr. Co., 228 Southampton St. Est. $25,000—Becket St., Ward 16 to S. J. Tomasello, 11 Cushing Terrace, Dorchester, $18,250. Est. $25,000.

Mass., Boston—J. H. Sullivan Comr. Dpt. P. Wks., sheet asphalt paving Ogden St. to A. G. Tomasello & Son Inc., 250 Stuart St., $25,734. This corrects report in Aug. 16 issue.

Mass., Brookline (br. Boston) — Bd. Selectmen, Town Hall, sheet asphalt paving Brookline Ave. to Warren Bros. Inc., 54 Pearl St., Boston. Est. $25,000. Noted Aug. 2.

N. Y. Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to J. C. Dempsey, 516 Prospect Ave., grading Alabama Ave. $2,550; asphalt paving Dahill Rd. $9,079; East 18th St. $9,838; East 39th St. $9,629—to R. Lynster, 454 East 49th St., grading East 43rd St. $8,091; Milford St. $1,769—to G. M. Mandato, 201 Neck Rd., West 4th St. $4,213—to D. J. McCoy Asphalt Co., Avenue N and East 57th St., asphalt paving Empire Bldg., $29,662; Milford St. $5,699—to B. Turecamo Contg. Co., 8706 16th Ave., Avenue T $3,716; West 10th St. $8,182; West 11th St. $6,259; 58th St. $6,545; 63rd St. $6,482—to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., 9th Ave. $4,081—to C. R. Contg. Co., 2266 Gravesend Ave., bituminous macadam paving West 5th St. $8,366. Grand total $123,858. Noted July 5.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to T. Lynster, 454 East 49th St., grading Berriman St. $3,801, Montauk Ave. $4,814, to Castle Bros., Johnson Pl., East 46th St. $2,141, Kings Highway $3,759, to T. Scot, 671 Halsey St., Quentin Rd. $2,163, to J. A. Nicosia, 63rd St. $2,214, to C. R. Contg. Co., 2266 Gravesend Ave., 76th St. $3,121; to M. J. Grant, 125 Montague St., granite block paving Morgan Ave. $27,135; to D. J. McCoy, Avenue U and East 57th St., sheet asphalt paving Avenue A $8,229, Church Ave. $7,621, East 46th St. $4,088, East 51st St. $5,210, East 51st St. $10,992, East 91st St. $2,897, Lott Ave. $4,858, Montauk Ave. $6,048, Schenectady Ave. $7,273, 76th St. $6,099, 77th St. $2,955, 90th St. $2,252, to Meehan Paving Co., 90 West St., New York, Adams St. $16,909, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., East 4th St. $3,434, 3rd Ave., $30,221, 78th St. $7,574, to B. Turecamo Contg. Co., 8706 16th Ave., East 98th St. $8,490, Kings Highway $22,301, Linden Blvd. $78,738, 63rd St. $5,393, to Cranford Co., 52-9th St., Nostrand Ave. $48,851. Grand total $279,579. Noted June 28.

N. Y., Buffalo—Erie Co., improving Erie Co. Home Rd. 157, to Liberto & Cerullo, 141 Bway., Depew, $21,900—Southwestern Blvd., to P. J. Knickerberg, 619 McKinley Parkway, $209,330—rein.-con. paving Transit Rd., Part 4, to Stanell, Mumm & Beals, Camp Rd. and Erie R.R., Hamburg, $103,500—Transit Rd., Part 1, to Holmes & Murphy, Orchard Park, $124,700. Grand total $459,430.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Blvd., grading Carolin and Bliss Sts., to Welsh Bros. Contg. Co., 27 Purbis St., $3,226 repairing bulkhead and jetties at Beach 19th St., Far Rockaway, to W. H. Gahagan Realty Co., Inc., 147 Remsen St., Brooklyn, $10,630—boardwalk from 56th to Beach 81st Sts., to Montros Contg. Co., 2920 Voorhies Ave., Brooklyn, $394,429. Grand total $408,285. Noted July 26.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., paving road to and around Pumping Station, 179th St. and Amsterdam Ave. to T. O'Dowd, 2086 Washington Ave., $13,500. Noted July 26.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, to Rago Bros., Union Bldg., paving Center St. $131,494; Court St. $31,588—to C. T. Hookway Constr. Co., Weiting Bldg., Broad St. $71,067; Westmoreland Ave. $20,335; Clinton St. $47,565. Grand total $302,049. Noted July 12.

New Jersey—State Hy. Comn., Trenton, grading 9 in. rein.-con., paving 89,198 sq.yd. Route 17, Sect. 5 (Route 2, Revision of 1927) North Arlington to Rutherford Rd. Bergen Co., to Pizzimenti Bros., Edgewood, $509,764—9 in. rein.-con. paving 62,539 sq.yd. Route 5, Sect. 19-A, Dover to Denville, in Morris Co., to H. F. Starn, Inc., 1131 Federal St., Camden, $2,594. Noted July 26.

N. J., Cresskill—Bd. Boro Council, Boro Hall, paving Jefferson Ave., to Burns & Hall, Park Ave., Dumont, $51,817.

N. J., Ft. Lee—Bd. Boro Council, Bergen Co., Boro Hall, improving McElroy, Virginia and Anderson Aves., McCloud Dr., to J. J. McGarry, Gorge Rd., Edgewater, $344,938.

N. J., Ft. Lee—Bd. Council, Boro Hall, improving Tom Hunter Rd. and Mohegan Way., to Maceri & Cutrupi, 2184 Hudson St., Ft. Lee, $34,413.

N. J., Hackensack — Bergen Co., Court House, penetration macadam paving Summitt Ave., to T. Adametz, Market St., East Paterson, $59,997.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., to Utility Constr. Co., 5 Spring St., 3 in. sheet asphalt on 6 in. concrete paving Brookside and Loretta Ave., $27,950—Delevan, Ward and Rutgers Sts. $26,375—Mary St., $23,874. Grand total $80,099. Noted Aug. 2.

N. J., Summit—City Council, City Hall, curbing, sheet asphalt on 6 in. concrete paving Edgar, St. Blackburn Pl., Lewis and Greenfield Aves., to Lopiete Asphalt Co., 423 Amherst St., East Orange, $131,240. Noted June 21.

N. J., Verona (Ind. br. Montclair)—Boro Council, Boro Hall, penetration macadam paving Church St., to Osborne & Marsellis Co., Bellevue Ave., Upper Montclair, $25,000.

Pa., Pittsburgh—General contract repaving Reedsdale St., to M. O'Herron Co., South 1st and McKean Sts. $45,200; grading, curbing, paving Traymore Ave., to Booth & Flinn, Ltd., 1920 Forbes St. $28,700.

Pa., Pittsburgh—Grading, curbing, paving Ashton Ave. between Mansion and Elizabeth Sts., to J. J. McQuaide Co., Magee Bldg.—Fallowfield St. between Coast and Catalpa Sts., to Mensinger Co., 1201 Vickroy St. $26,862—repaving Frankstown Ave., to M. O. Herron Co., South 1st and McKean Sts. $24,420.

Maryland — State Roads Comn., Baltimore, graveling 2.5 mi. Calvert Co., to Southern Maryland Contg. Co., 14 East Lexington St., Baltimore, $20,920; concrete paving 1 mi. Frederick Co., to Poffinberger & Mause, Myersville, $24,598. Noted July 26.

Md., Baltimore — Bd. Awards, concrete paving 11,850 sq.yd. Contr. 475, to Ward & O'Connell, 3114 Presbury St., $26,982. Noted Aug. 2.

Florida—State Roads Dpt., F. A. Hathaway, chn., Tallahassee, broken stone paving Project 687-B, Lake Co., to W. P. McDonald Constr. Co., Lakeland, $190,053—Project 53-C, Lake Co., to Manly Constr. Co., Ocola, $59,409. Noted July 19.

Fla., Fernandina—Concrete curbing, guttering, double surface treating on 7 in. lime rock paving streets, to Manly Constr. Co., Ocala, $92,115.

Alabama—State Hy. Comn., Montgomery, grading 22.65 mi. hy. in Winston Co. to Bessemer Eng. & Constr. Co., 2109-5th Ave., N., Birmingham, $184,209—13.28 mi. Jackson Co. to C. A. O. Constr. Co., Daytona Beach, Fla., $232,043—17.31 mi. Blount Co. and cement concrete paving 16.43 mi. Coosa and Chilton Counties to W. C. McCoy, Lafayette, $111,928 and $164,367 respectively—15.4 mi. Blount and Jefferson Counties to Hopper-Winston, Auburn, $201,537 and approach to Keller Memorial Bridge, to City of Decatur, $6,432. Grand total $900,516. Noted July 26.

Ky., Fulton—Grading, curbing, paving 39,325 sq.yd. Dist. 3, and 23,023 sq.yd. Dist. 4, to Carey Reed Co., 575 North Front St., Memphis, Tenn., $188,000.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, widening, brick paving 0.119 mi. Huron Co., to A. J. Baltes, Norwalk, $21,817—0133 mi. Athens Co., to F. H. Beckler, Athens, $23,233—concrete paving 5.120 mi. and 0.919 mi. both in Richland Co., to R. R. Heffner, Celina, $115,666 and $28,621 respectively, waterbound macadam paving 3.322 mi. Delaware Co., to Edwards Constr. Co., Sunbury, $55,014—5.83 mi. Wood Co., to W. S. Flarety, Woodville, $133,155, and

Streets and Roads (Continued)

concrete paving 7.196 mi. Fayette Co., to C. O. Baldwin, Hillsboro, $115,737. Grand total $493,243. Noted Aug. 9.

O., Akron—F. E. Swineford, dir. Service, granite and stone curbing, sidewalks, vitr. brick paving 6,900 sq.yd. Campbell St., to McAlonan Bros., 506 Woodland Ave., $44,-185 asphalt paving 9,200 sq.yd. Hawkins Ave. and Texaco paving 6,400 sq.yd. Glenwood Ave., to Thorpe Constr. Co., 610 Hippodrome Bldg., Cleveland, $45,213 and $31,-623 respectively—concrete paving 6,100 sq.yd. Vinita Ave. et al. and Texaco paving 7,950 sq.yd. Dover St., to T. E. McShaffrey Constr. Co., 173 South Forge St., $36,748 and $45,461 respectively—improving Eva Ave. et al. to J. W. Hurak, 617 Brown St., Akron, $26,667. Grand total $230,797. Noted July 26.

O., Cleveland — Comrs. Cuyahoga Co., stone curbing, grading, 3 in. brick paving 30,800 sq.yd. Green Rd. Sect. B, to F. B. Stein, Babbitt Rd., Euclid, $172,382—3 in. brick paving 61,450 sq.yd. Green Rd. Sect. A, to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $346,130. Noted Aug. 9.

O., Columbus—W. H. Duffy, dir. Service, concrete paving alley north Patterson Ave. and alley west 5th St., to C. & G. Constr. Co., 1381 Essex St., $4,479—alley north of Sullivan Ave., to Federal Paving Co., 208 South High St., $1,975—asphalt paving Burgess Ave., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., $17,946—4,190 sq.yd. Richardson Ave., to Clevelnad Trinidad Paving Co., Grand Theatre Bldg., $17,-085—grading, curbing, paving 4,760 sq.yd. Norwood Ave., to A. W. Burns, Constr. Co., 424 Woodland Ave., $21,202. Grand total $62,687.

O., Euclid (br. Cleveland)—To Gould & Maybach, 16311 Saranec Rd., Cleveland, curbing, vitr. brick paving East 227th St. $9,705—Maydale St. $13,057 and Roberts Ave., $13,052. Grand total $35,814.

O., Massillon—Paving Tremont Ave. and 17th St. S.W. to Urban Bros. Co., Massillon, $56,742 and $43,309 respectively.

O., New Boston (sta. Portsmouth) — Grading, widening, curbing, sheet asphalt concrete paving Gallia St., Sect. B, to S. Monroe & Sons, Portsmouth, $15,554 — Gallia St., Sect. C, to Frowine Bros., Portsmouth, $20,272—Rhodes Ave. Sect. A, and Rhodes Ave. Sect. B, to Kelly Bros., Portsmouth $14,445 and 61,490 respectively. Grand total $111,761. Noted Sept. 8.

Indiana—J. D. Williams, dir. State Hy. Dpt. Indianapolis, concrete paving 10.469 mi. State Rd. 27, Allen Co., to Grace Constr. & Supply Co., Ft. Wayne, $187,801. Est. $244,572. Noted May 10.

Ind., Anderson — Bd. Wks., sidewalks and streets in Meadowville addition, to E. E. Lyst Co., New Bank Bldg., $74,185.

Ind., Anderson — Madison Co., concrete paving 1½ mi. Pitt and Dewey Sts., to W. McVaugh, Anderson, $30,080.

Ind., Bedford—Concrete paving 13th St., to W. J. Nees Constr. Co., Frankfort. $15,-207; K St., to Sherrill & Blackwell Co., Bedford, $10,597.

Ind., Bedford—Lawrence Co., crushed stone paving Lawrenceport Rd., to Harding Road Co., Loogootee. $36,355; stone paving Hunter Rd., to O. P. Truley, Bedford, $6,300. Noted July 26.

Ind., Bloomington—Monroe Co., crushed stone paving Bastin and Mercer Rds., to Bloomington-Stone Co., Bloomington, $50,-495; Stewart Rd., to Monroe Co. Stone Co., Bloomington, $14,355. Grand total $64,850. Noted Aug. 2.

Ind., Brazil—Clay Co. stone paving Duncan Rd., to LaSalle & Gibbons, Clay City, $13,182; brick paving Levi Louderback Rd., to Underwood & Sheehan, Brazil, $35,171. Noted July 26.

Ind., Valparaiso — Porter Co., concrete paving Grinder, Bauer and Lidster Rds., to W. St. Clair, Valparaiso, $87,680. Noted Aug. 2.

Ind., Vincennes—Knox Co., concrete and asphalt paving Frank Culbertson Rd., to Lenahans & Konen, Vincennes, $158,517.

Michigan—R. A. Beers, resident engr., Kalamazoo, graveling 8.84 mi. MO8-18, C-1, 18 ft., Barry Co., to L. D. Cool, Hastings, for State Hy. Dpt., Lansing, $97,843. Noted July 12.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 1.131 mi. MO54-16, C-1 and MO54-17, C-1, 20 ft., Mecosta Co., to Willits Bros., New Buffalo, for State Hy. Dpt., Lansing, $53,855. Noted July 19.

Michigan—C. H. Green, resident engr., Alpena, concrete paving 1.803 mi. MO16-16, C-1, 20 ft., Cheboygan Co., to Goldberg Constr. Co., Mackinaw City, for State Hy. Dpt., Lansing, $67,510. Noted July 19.

Michigan—G. D. Tramp, resident engr., Crystal Falls, graveling 7.803 mi. FO7-3, C-1, 18 ft., to Herman Holmes, Crystal Falls, $190,971, 7.803 mi. FO7-3, C-1, 18 ft., to Hill & Belknap, East Tawas, $41,237, both in Baraga Co., for State Hy. Dpt., Lansing.

Michigan—A. R. Schaefer, resident engr., New Berry, graveling 3.098 mi. MO17-4, C-1, both 18 ft., Chippewa Co., to C. G. Bridges, Norway, $82,048 and $79,585 respectively, for State Hy. Dpt., Lansing. Noted June 28.

Ill., Carrollton—Bd. Local Impvt., grading, curbing, 7 in. rein.-con. paving 3,952 sq.yd. Dist. 1, and 10,510 sq.yd. Dist. 2, to McElwee & Rogy, 826 South Adams St., Peoria, $10,894 and $28,523 respectively. Noted July 19.

Ill., La Harpe — Grading, curbing, 7 in. rein.-con. paving 25,027 sq.yd. Main St., to Jansen & Schaefer, Pekin, $59,434. Est. $68,717. Noted July 19.

Ill., Monmouth—Concrete paving 5 blocks East Boston Ave., East 1st and North 7th Sts., to W. Hayes & Son, Chicago. Est. $28,416. Noted July 5.

Wisconsin—State Hy. Comn., Eau Claire, grading 1.68 mi. Federal Aid Project 395-C, Merrillan-Humbird Rd., Clark Co., to W. J. Wolf, Eau Claire, $23,272; graveling same road, to L. R. Pierce Co., Appleton, $6,775.

Wisconsin—State Hy. Comn., Eau Claire, grading 1.68 mi. Federal Aid Project 395-C, Merrillan-Humbird Rd., Clark Co., to W. J. Wolf, Eau Claire, $23,272; graveling same road, to L. R. Pierce Co., Appleton, $6,775.

Wis., Antigo—For 7 in. rein.-con. paving 18,000 yd., to Schuette Constr. Co., Manitowoc $46,171.

Wisconsin—State Hy. Comn., Lancaster, concrete paving 6,160 sq.yd. Job 9309, North Madison St., Lancaster, to A. R. Coffeen, Decorah, Ia. $13,893—6,852 sq.yd. Job 9310, Arena-Mazomanie Rd., to J. L. Frame, Blue Mounds $26,886—crushed rock surfacing, 4,500 cu.yd. Job 9187, Nelson Dewey Park Rd., to Watson & Jenkins, Cobb $8,820—and 7,830 cu.yd. Job 3982C, Platteville-Mineral Point Rd., to Cuba City Constr. Co., Cuba City $15,660. Grand total $65,259.

Wisconsin—State Hy. Comn., Madison, concrete surfacing 148,110 sq.yd. Sheboygan-Kiel Rd., Project 2807, to Wilson Constr. Co., Appleton $200,158.

Wisconsin—State Hy. Comn., Madison, concrete paving 15,963 sq.yd. Dubuque-Platteville Rd. Project 451-A and 9294, Grant Co., to Uhlrich-Paley Co., Dubuque, Ia. $79,719—37,438 sq.yd. County Trunk Hy. Z, Outagamie Co., to Valley Eng. & Constr. Co., Appleton $81,105—crushed graveling 3,593 cu.yd. Gordon Underpass, Federal Aid Project 377-E, Douglas Co., to A. E. Tilseth, Menomonie $28,089—and 7,128 cu.yd. Solon Springs-Rockmont Rd., Project 377-B, to V. Nelson, Superior $12,-813. Grand total $201,726.

Wisconsin—See "Bridges."

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Bartel-Maurer Co., 925 Muckego Ave., grading, sheet asphalt paving Ohio Ave. $2,715—to White Constr. Co., 68 East Wisconsin Ave., Greenfield Ave. $51,-441, Superior St. $13,922, Wells St. $25,289 —to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Market St. $15,741, and Wells St. $15,116. Grand total $124,214. Est $126,460. Noted July 12.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to J. P. Mohlberg, 818 Capitol Dr., grading, concrete paving Fiebrantz Ave. $374, 1 alley $17,532—to Eastern Constr. Co., 878 Franklin Pl., Limis St. $1,427, 20th St. $2,099, and 5 alleys $12,039. Grand total $36,332.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., grading, concrete paving 4 alleys, to N. Harris, Girard and St. Albian Sts. $22,389—5 alleys, to J. C. Bluhm & Son, 1299 Achilles Pl. $12,763—2 alleys, to Eastern Constr. Co., 878 Franklin Pl. $17,812—and 1 alley, to Schwerm Bros., 50 Lee St. $5,185. Grand total $58,149.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., concrete paving 1 alley, to Eastern Constr. Co., 878 Franklin Pl. $3,025 —4 alleys, to Schwerm Bros., 50 Lee St. $28,615—2 alleys, to J. C. Bluhm, 299 Achilles Pl. $3,503—3 alleys, to N. Harris, Girard and St. Albian Sts. $11,036—1 alley, to Bodeman Constr. Co., 691 48th St. $700. Grand total $46,879.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., concrete paving East Ohio Ave., to R. H. Gumz, 831 13th Ave. $1,887 —East Euclid Ave., to F. W. Blodgett, 521 Newton Ave. $5,801—St. Paul Ave., to J. C. Bluhm, 1299 Achilles Pl. $6,225—Winton Dr., to Czerwinski Constr. Co., 816 Clinton St. $7,320—Auer Ave., to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave. $15,-328. Grand total $36,566. Noted July 26.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Bartel-Maurer Co., 925 Muckego Ave., grading, sheet asphalt paving Ohio Ave. $2,715—to White Constr. Co., 68 East Wisconsin Ave., Greenfield Ave. $51,-441, Superior St. $13,922, Wells St. $25,289 —to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Market St. $15,741, and Walls St. $15,116. Grand total $124,214. Est. $126,460. Noted July 12.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to J. P. Mohlberg, 818 Capitol Dr., grading, concrete paving Fiebrantz Ave. $374, 1 alley $17,532—to Eastern Constr. Co., 878 Franklin Pl., Limis St. $1,427, 20th St. $2,099, and 5 alleys $12,039. Grand total $36,332.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., grading, concrete paving 4 alleys, to N. Harris, Girard and St. Albian Sts. $22,389—5 alleys, to J. C. Bluhm & Son, 1299 Achilles Pl. $12,763—2 alleys, to Eastern Constr. Co., 878 Franklin Pl. $17,812—and 1 alley, to Schwerm Bros., 50 Lee St. $5,185. Grand total $58,149.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Czerwinski Constr. Co., 816 Clinton St., grading, paving Cleveland Ave. $12,818, Morgan Ave. $26,383, 36th St. $14,299—to Gumz & Switalski, 831-13th Ave., 11th Ave. $16,848, 33rd Ave. $21,692 —to J. C. Bluhm & Son, 1299 Achilles Pl., 44th St. $5,257, 25th St. $7,467—to A. J. Koch, 1297 Cramer St., St. Paul Ave. $7,-539—to F. W. Blodgett, Inc., 521 Newton Ave., 39th St. $19,195—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., 5th St. $6,004. Grand total $207,422.

Minn., Red Wing — C. T. Taylor, aud. Goodhue Co., grading 75,232 cu.yd. Job 2802, State Aid Rd. 21, to Nelson, Mullen & Nelson, 355 Gateway Bank Bldg., Minneapolis $41,695.

Minn., St. Paul—K. L. Fieseler, city purch. agt., paving Hamline Ave. between Randolph St. and Edgecombe Rd., to C. F. Scuffey Equipment Co., 212 Dakota Bldg. $57,347. Noted July 12.

Minn., St. Paul—Curbing, 3 in. asphaltic concrete paving St. Clair St. between Fairview and Cleveland Aves., to Feyen Constr. Co., 277 Burgess St. $26,680.

Kan., Beloit — Mitchell Co., grading, 2 bridges, 2.146 mi. Project 649—2,209 mi. Project 660, to Mead & Hardman, Alton, $33,442.

Kan., Columbus—Cherokee Co., chat surfacing, 2 bridges, 7.596 mi. Center Star Rd., to Maxwell Constr. Co., Columbus, $35,714.

Kan., Holton—Jackson Co., grading 7.555 mi. Rd. K-24, to Thomson & Co., Holton, $64,600. Noted July 19.

Kan., St. Johns — Clerk Stafford Co., grading, sanding, surfacing 5.303 mi. U. S. 50-S Project 566, to L. W. Rexroad, Saliner, $28,693. Noted July 5.

Kan., Seneca—Nemaha Co., grading 5.612 mi. Rd. K-9, Project 592, to Interstate Concrete Co., Fairbury, Neb., $35,786.

Wyoming—State Hy. Comn., Cheyenne, grading, surfacing 10.8 mi. State Project 725, Albany Co., to A. H. Reed, Cheyenne $27,821; crushed rock surfacing 24.139 mi. State Project 727, Stillwater Co., to T. J. Tobin Constr. Co., Madison, S. D., $65,188.

Missouri — State My. Comn., Jefferson City, (**R. means Route**) to Carte-Harlin Constr. Co., West Plains, 24 ft. grading 1.623 mi. R. 51-A, Sect. 2, Bollinger Co. $22,458—to J. Spitcaufsky, Kansas City, 30 ft. grading 4.733 mi. R. 65, Sect. 395-E, $48,027 and 4.732 mi. R. 65, Sect. 295-F $27,182, both Benton Co.—to A. A. Davis & Co., Kansas City, 0.288 mi. R. 61, Sect. 140, Pemiscot Co. $1,728, 4.038 mi. Sect. 40-B $26,856, 3.289 mi. Sect. 40-C $21,183, New Madrid Co.—to G. W. Condon, Omaha, Neb., 0.183 mi. R. 1, Sect. 14-A, Holt Co. $2,140, 0.473 mi. R. 18, Sect. 308-A, Nodaway Co. $6,385—to A. W. Mosley, Kansas City, 2.52 mi. R. 65, Sect. 295-D, Benton Co. $10,462—to Penzel & Lemaster, Jackson, 0.582 mi. R. 61, Sect. 289-C, Cape Girardeau Co. $25,709—grading, 18 ft. graveling 1.653 mi. R. 63, Sect. 110-C, Phelps Co. $29,600—to C. E. Hamilton, Carbondale, Ill., grading 1.135 mi. R. 25, Sect. 211-C, Stoddard Co. $1,838, 18 ft. concrete paving same road $16,786, grading and portland cement concrete paving 3.835 mi. R. 25, Sect. 197-B, Stoddard Co. $62,356—to List & Weatherly, Kansas City, 18 ft. chats surfacing 1.413 mi. R. 71, Sect. 305-A, Jasper Co. $45,043—to Millers Garage, Inc., St. Louis, grading, 18 ft. portland cement concrete paving 1.673 mi. R. 32, Sect. 34 $49,899, concrete paving 0.098 mi. R. 32, Sect. 35, $2,548, St. Francois Co., 18 ft. graveling 4.128 mi. R. 4, Sect. 302-A, $8,782, 4.795 mi. R. 4, Sect. 302-B $15,900, 4.48 mi. R. 4, Sect. 302-C $13,980, all Putnam Co.—to M. C. W. Constr. Co., Jackson, 2.803 mi. R. 51, Sect. 208-B, Bollinger Co. $12,808—to Graham Bros., Leeds, 4.372 mi. R. 24, Sect. 301-C, Monroe Co. $27,-017. Grand total $478,690. Noted July 5.

Mo., Kansas City—For 3 in. vitr. brick paving Independence Blvd., between Admiral Blvd. and Benton St., to Hoover Bros. Constr. Co., 1300 West 18th St. $62,-126. Noted May 10.

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Streets and Roads (Continued)

Mo., Plattsburg—T. F. Downey, city clk., City Hall, grading, curbing, 7 in. concrete paving Main, Locust and Maple Sts., to E. D. Tyner Constr. Co., 14th and Elm Sts., Kansas City $22,450. Est. $25,526.

Mo., Richmond Heights (mail St. Louis) —To Carlon Constr. Co., 3516 Greenwood Ave., 7 in. rein.-con. paving 2,190 sq.yd. Goff Ave. $7,183, 5,133 sq.yd. Warner Ave. $7,475, 4,334 sq.yd. Williams Ave. $14,807, 2 in. asphaltic macadam wearing surface on limestone paving LaVeta Ave. $8,645, 3,041 sq.yd. Highland Terrace $9,946—to C. M. Berry Constr. Co., 7370 Manchester Ave., Maplewood, 7 in. rein.-con. paving 1,293 sq.yd. Delta Ave. $5,326, 2,725 sq.yd. Claytonia Terrace $9,400—to Independent Asphalt & Constr. Co., 5523 Manchester Ave., St. Louis, 7 in. rein.-con. 363 sq.yd. asphaltic concrete paving 1,209 sq.yd. McKain Ave. $4,935. Grand total $67,717.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, concrete paving 9 alleys, to Joseph Kesl & Sons, Title Guaranty Bldg. $26,765—4 alleys, to Perkinson Bros. Constr. Co., 3237 Carter Ave. $12,391—4 alleys, to Eyermann Contg. Co., 1210 South Grand Blvd., $11,787—4 alleys, to Alfred Lewald, Inc., 6025 West Cabanne Ave. $14,674—and 4 alleys, to Skrainka Constr. Co. Security Bldg., $14,650. Grand total $80,267. Noted June 28.

Mo., St. Louis—Bd. P. Serv., City Hall, to Trinidad Asphalt Mfg. Co., 600 South Teresa Ave., warrenite bitulithic paving 7,630 sq.yd. Cates Ave. $50,632, 8,215 sq.yd. Clemens Ave. $33,275, 2,585 sq.yd. Glasgow St. $10,669, 2,400 sq.yd. Laurel St. $10,476, and 8,480 sq.yd. Oak Hill $68,551. Grand total $173,603.

Mo., St. Louis—To C. A. Moreno, Sydicate Trust Bldg., vibrolithic concrete paving 1,880 sq.yd. Hoffman Ave. $9,691, 965 sq.yd. Montrose Ave. $2,883 and asphalt paving 2,940 sq.yd. Texas Ave. $19,195. Grand total $31,769.

Mo., St. Louis—Bd. P. Serv., City Hall, to Central Paving & Constr. Co., Ambassador Theatre Bldg., warrenite bitulithic paving 2,665 sq.yd. Delmar Ave. $8,244, 3,720 sq.yd. McCausland Ave. $16,704, 2,000 sq.yd. Terry Ave. $10,066, 1,505 sq.yd. Neosho St. $10,198, and 635 sq.yd. Geyer Ave. $12,631—to Trinidad Asphalt Mfg. Co., 600 South Theresa Ave., asphalt paving 2,170 sq.yd. 22nd St. $37,825—to Bridges Asphalt Paving Co., 1470 Kentucky Ave., asphalt paving 5,815 sq.yd. 23rd St. $37,844. Grand total $133,512.

Mo., St. Louis—Bd. P. Serv., City Hall, asphalt paving 1,465 sq.yd. Blair Ave. and 1,840 sq.yd. Penrose St., to Trinidad Asphalt Mfg. Co., 600 South Teresa Ave. $14,196 and $14,000 respectively—warrenite bitulithic paving 18,100 sq.yd. Enright St. and 2,385 sq.yd. Sulphur St., to Granite Bituminous Paving Co., Ry. Exch. Bldg. $121,831 and $17,126 respectively—amiesite paving 6,960 sq.yd. Cora Ave., to Webb-Boone Paving Co., 5103 Fyler Ave. $45,843. Grand total $212,996.

Ark., Little Rock — Asphaltic concrete paving 17,250 sq.yd. Impvt. Dist. 493, to P. F. Connelly, Paving Co., Home Insurance Bldg., $18,112. Noted Apr. 5.

Ark., Magnolia — Bd. Comrs., Street Impvt. Dist. 1, R. S. Warnock, chn., grading, curbing, 6 in. rein.-con., paving, to McGuire & Cavender, Clinic Bldg., Texarkana, $38,851. Noted Aug. 2.

Ark., Magnolia — Comrs. Street Impvt. Dist. 4, H. D. Hutcheson, chn., grading, 6 in. rein.-con., paving 15,500 sq.yd., to McGuire & Cavender, Clinic Bldg., Texarkana, $41,802.

Ark., Magnolia — Comrs. Street Impvt. Dist. 3, c/o J. G. Hendrickson, chn., grading, curbing, guttering, 6 in. rein.-con. paving 7,800 sq.yd., to McGuire & Cavender, Clinic Bldg., Texarkana, $20,735. Noted May 31.

Texas — G. Gilchrist, state hy. engr., Austin, **(e.e. means engrs. est.)**, to S. F. Vann, P.O. Box 267, Trinity, grading and bridging 15.099 mi. hy. Victoria Co. $53,385 e.e. $45,000—9.965 mi. Wilson Co. $52,653 e.e. $63,000—5.74 mi. Karnes Co. $30,307 e.e. $45,000—to J. Thompson, San Augustine 2.37 mi. Hardin Co., $66,766 e.e. $72,000—to Tibbetts Constr. Co., 714 Neil P. Anderson Bldg., Ft. Worth, 8.218 mi. Young Co., $34,691 e.e. $35,000—to Thomas & Ratliff, Rogers, 4.555 mi. Milam Co., $34,145 e.e. $36,000—to H. E. Denny 218 Sidney St., Houston, 7.721 mi. Jackson Co., $31,316 e.e. $37,800—to D. H. Purvis & Son, P.O. Box 706, Ft. Worth, 9.553 mi. Cherokee Co. $59,859 e.e. $61,400—to Epperson Bros., P.O. Box 421, Sherman, 8.448 mi. Anderson Co., $28,565 e.e. $34,200—to Carey Bros., Anson, 20.579 mi. Baylor Co. $93,363 e.e. $108,000—to J. A. Greathouse, 1706 West 6th St., Austin, 12.848 mi. Goliad Co., $30,269 e.e. $32,600—to Womack Constr. Co., P.C. Box 664, Sherman, 37.23 mi. Hale Co., $69,465 e.e. $81,000—to J. S. Moore & Sons, Lufkin, 7.84 mi. Henderson Co., $46,336 e.e. $50,400—to Martin Bros., Beaumont, 2.028 mi. Harris Co. $63,011 e.e. $36,000 and grading and shell surfacing 5.473 mi. Calhoun Co. $66,418 e.e. $63,000—to H. K. McCollum, 1507 Ft. Worth Natl. Bank Bldg., Ft. Worth, one course asphalt surfacing 17.8 mi. Trinity Co. $28,071 e.e. $26,500 and 22.6 mi. Jasper and Newton Counties $35,548 e.e. $32,000—12 mi. Potter Co. $25,027 e.e. $26,000—to Dodds & Wedegartner, P.O. Box 858, San Benito, concrete paving 9.749 mi. Anderson Co. $208,323 e.e. $216,000—to J. C. Feild, P.O. Box 245, Denison, 9.684 mi. Jones Co. $215,690 e.e. $216,000—to F. P. McElwrath, Corsicana, 1.067 mi. Navarro Co. $25,619 e.e. $25,000—to K. S. Heath, 27 Alberta Court, San Diego, Calif., 9.844 mi. Wharton Co., $209,454 e.e. $216,000—to Southwestern Bitulithic Co., P.O. Box 266-Sta. A., San Antonio, 10.257 mi. Taylor Co., $237,247 e.e. $234,000. Grand total $1,745,528. Noted July 26.

Tex., Commerce—Bd. Comn., C. T. England, city secy., concrete curbing, guttering, and concrete paving 11,411 sq.yd., to Janes Contg. Co., 805 Trunk Ave., Dallas, $34,256. Noted July 26.

Tex., Texhoma (mail Strafford)—For 2 in. brick on 4 in. concrete paving various streets to J. Stanton & Son, Leavenworth, Kan., $49,829. Est. $50,000.

Tex., Weslaco—Concrete paving 70,000 sq.yd. to Brown & Root, Georgetown, Ga., $135,000. Noted June 14.

Colo., Denver — Dpt. Impvt. & Parks, grading, curbing, crushed gravel surfacing South Denver Impvt. Dist. 10, to M. E. Carlson, 4483 Newton St., $92,724—asphaltic concrete paving South Capitol Hill Impvt. Dist. 15, to Levy Constr. Co., Symes Bldg., $34,499. Noted July 19.

Idaho—State Hy. Comn., Boise, grading 46,100 cu.yd. Project 4-B, Custer Co., to Ryberg, McHugh & Cowley, Boise, $27,385—4.6 mi. Project 117-B, Teton Co., to Butler Bros., Driggs, $6,191—6.234 mi. Project 141-B, Twin Falls Co., to C. A. Robinson, Twin Falls, $63,775—grading, crushed rock surfacing 7.949 mi. Project 40-A, Washington Co., to Joslin & McAllister, Spokane, Wash., $33,149. Grand total $130,499.

Idaho—State Hy. Comn., Boise, crushed graveling 9,400 cu.yd. Project 84-C, Bingham Co., to Girard McConkie, Soda Springs $22,793—crushed rock surfacing 8.172 mi. Project 124-A, Bonner Co., to W. J. Doust, Spokane, Wash., $29,030—12.422 mi. Project 130-A, Clearwater Co., to J. F. Konen, Lewiston, $47,252. Grand total $99,075.

Nevada—State Hy. Comn., Carson City, asphaltic fuel oil on Federal Aid Project 101A, B, 87 A and 83, Clark Co., to J. Casson, Hayward, Calif. $36,025.

Arizona — State Hy. Comn., Phoenix, grading 5.7 mi. Federal Aid Project 87-C and Federal Aid Project 15, to Lee Moor Contg. Co., El Paso, Tex., $35,456 and $14,498 respectively. Noted July 19.

Washington—State Hy. Comn., Olympia, grading 65,800 cu.yd., Asotin Co., to Gumaer & Straalsund, Parsons Hotel, Spokane $36,760—graveling 2,740 cu.yd. Kitsap Co., to McHugh & Coluccio, 1450 Elliot Ave., W., Seattle $29,841—water bound macadam paving 17,000 cu.yd. Jefferson Co., to C. E. Martin, R.F.D. 3, P.O. Box 160, Seattle $29,722. Grand total $96,423.

Washington—State Hy. Comn., Olympia, grading 65,800 cu.yd., Asotin Co., to Gumaer & Straalsund, Parsons Hotel, Spokane $36,760—graveling 2,740 cu.yd. Kitsap Co., to McHugh & Coluccio, 1450 Elliot Ave., W., Seattle $29,841—water bound macadam paving 17,000 cu.yd. Jefferson Co., to C. E. Martin, R.F.D. 3, P. O. Box 160, Seattle $29,722. Grand total $96,423.

Wash., Enumclaw—City Council, paving 14 blocks Washington St. to Adler & Ruth, Tacoma, $25,676.

Wash., Seattle—Filling Kenyon St., to Puget Sound Bridge & Dredging Co. Central Bldg. $34,453.

Wash., Yakima — For 6 in. one-course concrete paving 13 blocks 16th, 17th, 18th, South and Bonnie Doone Aves. to G. M. Savage Co., 401 East 11th St., Tacoma, $43,441.

Ore., Portland — City Council paving 8,500 ft. Front St., to F. J. Gregory, Portland $37,555; Ainsworth Ave. between 17th and 33rd Sts., to Municipal Paving Plant, Portland $34,017.

California — State Hy. Comn., Sacramento, grading, concrete paving 3.5 mi. San Mateo Co., to H. W. Rohl Co., 722 West 7th St., Los Angeles, $661,373—grading, crushed gravel surfacing 6.3 mi. Mariposa Co., to Basich Bros. Constr. Co., 3788 South Vermont St., Los Angeles, $166,784. Noted Aug. 16.

California — State Hy. Comn., Sacramento, crushed gravel surfacing 6 mi. road between Butte City and East Boundary, in Glenn Co., to Hemstreet & Bell, Marysville, $13,325. Noted July 12.

Calif., Auburn — A. S. Fleming, clk., Placer Co., grading, paving 5 mi. of streets and roads on east side of Lake Tahoe, to F. L. Carson, 693 Sutter St., San Francisco, $84,589. Noted Aug. 9.

Calif., Los Angeles — Grading, curbing, guttering, oiled roadway 307,801 sq.ft. 8 in. concrete paving 470,285 sq.ft. Riverside Dr., to A. M. Peck, 4568 Finley Ave., Los Angeles, $152,405. Noted Aug. 16.

Calif., Los Angeles—Grading, concrete, asphaltic concrete paving Q. St., to G. H. Oswald, 366 East 58th St., Los Angeles, $152,830.

Calif., Los Angeles — Asphalt and concrete paving Ave. 50, to G. H. Oswald, 366 East 58th St., Los Angeles, $150,201.

Calif., Lynwood—For 6- to 8-in. vibrolithic concrete paving 242,460 sq.ft. Twenty-Abbott Rd., to R. O. Peters, 930 North Magnolia Ave., Whittier, $87,365.

Calif., Merced — Merced Co. asphaltic concrete paving Le Grande Rd., to Valley Paving & Constr. Co., Visalia, $52,800. Noted Aug. 9.

Calif., Oakland—Grading, vibrolithic concrete paving Excelsior Ave. and Hopkins Sts., to Oakland Contr. Co., Latham Sq. Bldg., $86,659. Noted July 19.

Calif., Redwood City—W. A. Price, city clk., grading, curbing, guttering, warrenite on 3 in. broken stone surfacing King and Iris Sts., to Peninsula Paving Co., Standard Oil Bldg., San Francisco, $102,602. Noted Aug. 2.

Calif., San Bernardino — Supervs. Los Angeles Co., asphaltic concrete paving Merrill Ave. and Carbon Canyon Rd., to Southwest Paving Co., Washington Bldg., Los Angeles, $97,400. Noted June 28.

Ontario—Toronto and York Roads Comn., 57 Adelaide St. E., Toronto, concrete paving 6.8 mi. County Rd. from Schombert to Nobleton, to Dufferin Constr. Co., foot of Bathurst St., Toronto, $180,000.

Ontario—Town of Sudbury, International Nickel Co. and Mond Nickel Co., tarvia macadam paving 2 mi. road from Sudbury to Frood Mine, to Gustina & Zettler, Box 696, Sudbury. Est. $25,000. Noted July 5.

Ontario — Dpt. Northern Development, Parliament Bldgs., Toronto, 16.8 mi. roadway between Smooth Rock Falls and Driftwood, to Cochrane Constr. Co., Cochrane, $86,143. Noted July 5.

Ont., Aurora—Concrete curbing, guttering, bitulithic on concrete paving 11,000 sq.yd. streets, to Warren Bituminous Paving Co., 54 University Ave., Toronto. Est. $50,000.

Ont., Cremore—J. H. Hood, town clk., asphalt paving Main St., to Godson Contg. Co., 203 Richmond St. W., Toronto. Est. $35,000.

Ont., Kitchener — Asphalt on concrete paving 10,000 sq.yd. streets, to Standard Paving Co., Central Chambers, Ottawa; concrete paving 8,242 sq.yd. streets, to P. Bergmann, Box 24, Waterloo. Est. $50,000. Noted July 19.

Ont., Mimico—Concrete curbing, guttering, asphaltic concrete on concrete paving 7,000 sq.yd. streets, to Lowes Constr. Co., Brown Bldg., New Toronto, $34,095.

Ont., Niagara Falls—H. H. Beam, secy. Niagara Falls Suburban Area Com., 968 Robert St., 3 in. asphalt and concrete paving 44,080 sq.yd. McLeod Rd., Stamford Twp., to Law Constr. Co., Ltd., Confederation Life Bldg., Toronto. Noted July 19.

Ont., Ottawa—Concrete curbing, guttering, asphalt on concrete paving Greenfield Ave., to Standard Paving Co., Central Chambers, Bank St., by day labor. Est. $35,000.

Ont., Toronto—Asphalt on concrete paving Brunswick Ave., to Constr. & Paving Co., Confederation Life Bldg., $18,611. Niagara St., to Godson Contg. Co., 203 Richmond St. W., $8,385, and Bedford Rd., to city by day labor, $4,601. Grand total $31,597.

Ont., Toronto—Asphalt on concrete paving Spruce and Wellesley Sts., to Kilmer & Barber, 73 Adelaide St. W., $14,896; Close Ave., to Godson Contg. Co., 203 Richmond St. W., $5,579; concrete sidewalks on Nelson St. and 5 avenues, to Toronto Cement Finishing Co., 24 Royce Ave. Est. $30,000.

Ont., Toronto — Asphalt paving Marlborough St., to Kilmer & Barber, 73 Adelaide St., $9,983; Spencer Ave., to Godson Contg. Co., 203 Richmond St. W., $7,749; Crawford St. and 3 avenues, to city by day labor, $25,025; concrete sidewalks on Ardogh St., Elora and Wanda Rds., to Mitchell Bros., Prescott Ave. Est. $45,000. Noted Aug. 2.

Ont., Toronto—East York Twp., 3 in. asphalt on 6 in. concrete paving 6,500 sq.

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Streets and Roads (Continued)

yd. 2nd and Westlake Aves., to Kilmer & Barber, 10 Adelaide St. E., $29,661.

Ont., Toronto—York Twp., bitulithic on concrete paving Rushton Rd., Ewart Ave. and Juliet Crescent, to Warren Bituminous Paving Co., 54 University Ave., $41,225; asphalt paving McNab Ave., to Constr. & Paving Co., Confederation Life Bldg., $3,588; concrete sidewalks on Old Weston Rd. and Arlington Blvd., to Simpson Contg. Co., 227 Wychwood Ave., $689; Vaughn Rd. and Kane Ave., to T. Strong, 114 Cedric Ave., $673. Grand total $46,-175. Noted July 19.

B. C., New Westminster—Grading, concrete paving 12th and Columbia Sts., to Carter-Halls-Aldinger Co., Ltd., 500 Beatty St., Vancouver. $41,229. Noted Jan. 12.

B. C., Point Grey—Concrete or asphaltic concrete on 6 in. concrete paving streets, to Armstrong Morrison Paving Co., 553 Granville St., Vancouver, $28,001 — to Hodgson, King & Marble, 626 Pender St., Vancouver, $9,426—to Harrison & Lamond, 615 Hastings St. W., Vancouver, $8,938—to Dawson Wade & Co., 500 Beatty St., Vancouver, $44,343—warrenite on block base paving, to Columbia Bitulithic Ltd., 500 Beatty St., Vancouver, $11,123. Grand total $101,831.

B. C., Vancouver — City, paving Rupert St., Victoria Drive, 17th, 22nd, and 4 51st Aves., South Vancouver ,asphaltic concrete to General Constr. Co., Ltd., 736 Granville St., $6,548 and Ellis Cotton Co., Ltd., False Creek Yards, $5,517—concrete to King & Moncruff Constr. Co., 207 Hastings St. $45,093. Grand total $57,1.8.

Public Bond Elections

Coming Bond Elections

Waterworks — Stinnett, Tex., Sept. 8, $37,000.
Waterworks—Oceanside, Calif., $100,000.
Roads — Cooke County, Tex., Sept. 11, $2,000,000.
Roads — Ellis County, Tex., Sept. 1, $190,000.
Roads—St. Mary's, Ont., Sept. 4, $40,000.
Airport—Amarillo, Tex., Sept. 8, $100,000.
Airport—Galveston, Tex., $40,000.

Bonds Voted

Waterworks—Belleville, Kan., $120,000.
Sewers—Waco, Tex., $250,000.
Sewerage System Extension—Aransas Pass, Tex., $46,000.
Dam—Cooksville, Tenn., $100,000.
Roads—Lee County, Fla., $25,000.
Roads—Briscoe County, Tex., $40,000.
High School — Donna, Tex., Independent School Dist., 175,000.

Bonds Defeated

Sewerage System—La Porte, Tex., $56,000.
Paving—Oklahoma City, Okla., $31,477.
Roads—Jim Wells County, Tex., $450,000.

Buildings—Commercial

Proposed Work

Mass., Boston—STORE and OFFICE—C. W. Rowell, 60 State St., plans by Shepard & Stearns, 65 Franklin St., 2 and 3 story, basement, 60 x 170 ft., brick, plain found., 349-363 Washington St. $150,000.

Mass., Fall River—THEATRE—W. J. Dunn, 65 Academy Bldg., plans by E. G. Bullard & Sons, 908 Purchase St., New Bedford, brick and steel, South Main St. $150,000 or more.

Mass., Quincy (Ind. br. Boston)—MEDICAL WARD—City, C. A. Price, chn. Hospital Dpt., plans by McLaughlin & Burr, 88 Tremont St., Boston, 3 story, basement, 40 x 175 ft., brick, rein.-con., plain found., 114 Whitwell St. $200,000.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—G. A Grossman, 43 Hancock St., store and office building, Grossman's Meadow lot. $500,000. Engineer and architect not selected.

Mass., Southbridge—HOSPITAL—Town, C. D. Harrington, Box 1087 plans hospital Oakes Ave. $200,000. Engineer and architect not selected.

Conn., Stamford—HOTEL ADDITION—Hotel Davenport, A. Moorehouse, Park Place, plan brick, steel hotel addition. $150,000.

N. Y., Brooklyn—LOFT—C. H. Schultz Corp., 430 1st Ave., New York, bids in September, loft, Berry and 11th Sts. $250,-000. Francisco & Jacobus, 511 5th Ave., New York, archts.

N. Y., Long Island City—APARTMENT—Filmore Corp., 1320 Prospect Ave., Brooklyn, plans by C. Whinston, 2 Columbus Circle, New York, 6 story, 100 x 200 ft., brick, timber, Filmore Ave. and 32nd St. $300,000.

N. Y., Long Island City—APARTMENT—Judge Constr. Corp., 745 Crawford St., Brooklyn, plans by McManus & Griffiths, 11 East 42nd St., New York, 6 story, 75 x 87 ft., brick, timber, Judge St. and Britton Ave. $160,000.

N. Y., Long Island City—APARTMENT—J. L. Kohoe, 46 West 95th St., plans by C. W. Marso, c/o owner, 6 story, 85 x 123 ft., brick, timber, 30th Rd. and West 29th St. $185,000.

N. Y., Long Island City—STORES and OFFICE—O. Erlandsen, 161-10 Jamaica Ave., Jamaica, plans 10 story, 72 x 110 ft., brick, steel, 161st St. and 89th Ave. $400,-000. Private plans.

N. Y., New York—APARTMENT—Absar Realty Corp., A. Weisan, pres., 2382 Grand Concourse, plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, 80 x 379 ft., brick, timber, Greystone and 242nd Sts. $750,000.

N. Y., New York—APARTMENTS—Ein Sing Holding Corp., I. Einhoon, pres., 39 East 169th St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 77 x 165 ft. apartment, $250,000, also 6 story apartment, $350,000, Sedgewick and Van Courtland Aves.

N. Y., New York—APARTMENT—Loumen Realty Co., L. Brander, pres., 1005 Walton St., plans by L. Stillman, 2419 Webster Ave., 6 story, 86 x 162 ft., brick, timber, Grant Ave. and 169th St. $250,000.

N. Y., New York—APARTMENT—Maxburn Realty Co., M. Brenner, pres., 391 East 149th St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 132 x 177 ft. apartment, Pugsley Ave. and 177th St. $375,000.

N. Y., New York — APARTMENT —R. Niles, Jr., 22 East 49th St., and R. P. Aley, 510 East 89th St., bids in December, 15 story, 84 x 125 ft., brick, steel, 1737 Avenue A. $1,000,000. J. E. R. Carpenter, 598 Madison Ave., archt. Noted Mar. 29.

N. Y., New York—APARTMENT—Winmore Constr. Co., 300 Madison Ave., plans by Gronenberg & Leichtag, 1385 Bway., 6 story, 89 x 150 ft., brick, timber, Valentine and 180th St. $300,000.

N. Y., New York — STORES and OFFICE—Estate of J. P. F. Friedhof, Elizabeth, N. J., plans by O. J. Gette, 274 Madison Ave., 8 story, 66 x 88 ft., brick, timber, Tremont and 3rd Aves. $200,000

N. Y., New York—STORE and OFFICE—F. J. Schoonmacher, 368 Lexington Ave., bids latter part of September, 22 story, 79 x 150 ft., 115 East 41st St. $3,250,000. Moore & Landsiedel, 509 Willis Ave., archts.

N. Y., New York—STORE and OFFICE—Three Hundred Eighty-Five 5th Avenue Corp., H. Mandel, pres., 1 Park Ave., bids late in September, 14 story, brick, 5th Ave. and East 36th St. $500,000. Farrar & Watmough, 1 Park Ave., archts.

N. J., East Orange—APARTMENT—D. K. Constr. Co., c/o Warren & Warren, archts., Essex Bldg., Newark, 4 story, basement, 104 x 135 ft. apartment, 1 story, 20 x 103 ft., garage, brick, steel, plain found., 112 Lincoln St., $210,000.

N. J., East Orange — APARTMENT — Freidman & Lipstein Inc., c/o Warren & Warren archts., 31 Clinton St., Newark, sketches 7 story, basement, brick, steel, plain found., 194 Park Ave., $350,000.

N. J., Englewood—APARTMENT—H. L. Miller, c/o C. Mettberg, archt., 79 West Palisade Blvd., Palisade Pk., sketches 4 story, basement, brick, steel, plain found. Garrett Pl. and Grand Ave. $150,000.

N. J., Glen Ridge—HOSPITAL—Mountainside Hospital, Highland Ave., Montclair, plans by York & Sawyer, 100 East 42nd St., New York, 4 story, basement, brick, steel, plain found. $400,000.

N. J., Hackensack—THEATRE—Stanley-Fabian Corp., 45 Church St., Paterson, rein.-con., brick, steel, plain found. theatre, $1,000,000.

N. J., Haddonfield — APARTMENT — Haddonfield Manor Corp., having revised plans prepared by Edwards & Green, Inc., 584 Federal St., Camden, 4 story, basement, brick, steel, plain found. Kings Highway and Linden Ave., $200,000.

N. J., Montclair — APARTMENT and STORE—A. and P. Realty Corp., 15 Market St., Newark, 6 story, basement, 104 x 154 ft., brick, steel, plain found. Church and South Park Sts., $250,000. Private plans.

N. J., Newark—WAREHOUSE—R. H. Macy & Co. Inc., Bway. and 34th St., New York, plans by R. Kohn, 56 West 45th St., New York, 320 x 350 ft., brick, steel, plain found. Frelinghuysen Ave. $200,000.

N. J., Nutley (br. Newark)—APARTMENT—Owner c/o A. P. Nucciarone, archt. 206 Central Ave., Newark, sketches 3 story, basement, 115 x 115 ft. brick, steel, plain found. $150,000.

N. J., Piscataway (mail New Brunswick)—TOWN HALL—Bd. Council Boro Hall, Raritan sketches by A. Merchant, 52 Patterson St., New Brunswick, 2 story basement, brick, steel, plain found. $150,000.

Pa., Phila. — DELIVERY STATION — Abbott Merkt & Co., archts., 5th Ave., New York, soon let contract 2 story, basement, 100 x 305 ft., rein.-con., brick, plain found., 9th and Poplar Sts., for Strawbridge & Clothiers Dept. Store, 8th and Market Sts.

O., Cleveland—HOSPITAL—Western Reserve University, Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, Mass., archts., soon let contract Lakeside Hospital. To exceed $150,000. Noted July 19.

O., Cleveland Heights (Warrensville P.O.)—APARTMENT—F. Melamed, 3595 East 120th St., Cleveland, plans by M. Weis, 1836 Euclid Ave., Cleveland, 3 story, basement, 66 x 134 ft., brick, 2680 Noble Rd., $150,000.

O., Elyria — HOTEL, THEATRE and STORE—J. Pekras, proprietor of Capitol Theatre, plans by R. H. Hinsdale, Erie Bldg., Cleveland, 8 story, 134 x 184 ft., brick, steel, concrete, Broad St. $1,000,000.

Ill., Chicago—APARTMENTS—Clatt & Molner, 2612 South Michigan Blvd., plans by J. Lewis, 64 West Randolph St., 3 story, basement, 125 x 125 ft., southwest corner 78th St. and Phillips Ave. in South Shore Park, $200,000 also 4 story, 50 x 151½ ft., brick, timber, 4540-4542 Greenwood Ave., $185,000.

Ill., Chicago — APARTMENT — O. G. Riedel, 3745 North Kedvale Ave., plans by E. A. Hitsche, 28 East Huron St., and soon take bids 3 story, basement, 98 x 250 ft., brick, stone, Kolmar Ave. $200,000.

Ill., Chicago—APARTMENT—Syndicate, c/o Ross & Browne, 80 East Jackson Blvd., sketches by R. S. DeGoyler & Co., 307 North Michigan Ave., 25 story, 65 x 95½ ft., 1242-44 Lake Shore Dr.

Ill., Chicago — APARTMENTS — Syndicate, c/o B. Steif & Co., archts., 307 North Michigan Ave., soon take bids (selected list bidders), 20 story, basement, irregular shaped, rein.-con., brick, wood pile found., 4940 East End Ave. $1,500,000.

Ill., Chicago—THEATRE—Syndicate, c/o A. L. Salzman Eng. Co., archts., 10 North Clark St., 3 story, known as Lombard Plaza, Division St. $900,000.

Ia., Dubuque — WAREHOUSE — Metz Mfg. Co., 17th and Elm Sts., plans by C. I. Krajewski, 730 Main St., 3 story, basement, brick addition, plain found. $60,000.

Ia., Keokuk—HOSPITAL—M. J. Geise, archt., State Central Bank Bldg., soon lets contract 2 story, asement, 41 x 70 ft. and 41 x 130 ft., brick, stone, steel, plain found., for Graham Protestant Hospital Assn. $150,000. Noted July 12.

Ia., Keokuk—HOSPITAL——St. Josephs Hospital soon lets contract 4 story, 50 x 75 x 120 ft., rein.-con., brick, hollow tile addition. H. B. Dox, 502 Lohmann Bldg., Peoria, archt.

Neb., Omaha — BANK — First National Bank, 16th and Farnam Sts., 4 story, basement, rein.-con., brick addition. $300,000.

Neb., Omaha—BUS DEPOT—Union Bus Depot Co., 231 City Natl. Bank Bldg., plans 2 story, basement, 100 x 180 ft. bus depot. $300,000.

Mo., Kansas City—HOME—Armour Memorial Home, c/o E. A. Forbes, supt., 2125 Tracy Ave., plans by Keene & Simpson, 1005 Land Bank Bldg., 2 story, basement, rein.-con., brick home for aged and orphans. $200,000.

Tex., El Paso—THEATRE—Dent Theatres, Inc., 2009½ Jackson St., Dallas, plans by W. S. Dunne, Melba Bldg., Dallas, 4 story, 100 x 200 ft., brick, stone, steel, rein.-con., theatre and office building. $450,000. Noted Feb. 23.

Tex., Georgetown—HOTEL—Smith Hotel System, Box 425, plans by G. G. Becker, San Angelo, 3 story, 62 x 120 ft., brick, rein.-con., steel, plain found. $150,000.

Tex., San Antonio—APARTMENT—E. Dittmar & Associates, 505 Howard St., soon let contract concrete foundation, basement and 1st floor slab, 5 story, basement, steel, concrete found., Howard St. $50,000. Total $175,000. R. V. Stratten, c/o Travis Bldg., archts. Heff & Jones, Loan & Trust Co. Bldg., associate archts.

Okla., Altus—HOTEL—Abbott Hotel Co. plans by E. H. Eads & Co., 1st Natl. Bank Bldg., Chickasha, 4 story, basement, 75 x 140 ft., brick, rein.-con., plain found. $180,000.

Colo., Pueblo — BUSINESS — Weaver-Hurd Realty Co., c/o R. J. Weaver, 9th and Main Sts., 3 or 4 story brick, steel,

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concrete, North Main St. between West 8th and 9th Sts. $200,000.

Wash., Seattle—APARTMENT—E. Morrison, archt., Lloyd Bldg., soon takes bids 11 story, basement, brick and terra cotta apartment, 1223 Spring St., for Arjo Investment Co., c/o architect. $600,000.

Wash., Seattle—HOTEL—T. H. Gowman, Gowman Hotel, sketches 20 story, basement, 450 room, rein.-con., steel addition, 5th and Stewart Sts. $1,000,000. Engineer and architect not selected.

Calif., Berkeley — HOTEL — Berkeley Hotel Corp., c/o W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, 6 story, basement, concrete, addition, Durant St., $150,000.

Calif., Los Angeles—APARTMENT—W. Berkowitz, & Assoc., plans by Hiller & Sheet 328 Story Bldg., 4 story, basement, 100 x 142 ft., timber, McCadden Pl. and Leland Way. $175,000.

Calif., Los Angeles—APARTMENT—E. Ceriat, plans by F. Webster, 922 Guaranty Bldg., 5 story, basement, 123 x 137 ft., rein.-con., San Marino St. and Elden Rd., $200,000.

Calif., Los Angeles — APARTMENT — W. M. Haussler, 1914 South Figueroa St., plans by D. M. Ward, 1025 North Serrano Ave., 6 story, basement, rein.-con., steel, Lucas St., $200,000.

Calif., Los Angeles — APARTMENT HOTEL—W. Merchant, plans by F. Webster, 922 Guaranty Bldg., 6 story, 87 x 110 ft., rein.-con., incl. garage Highland Ave. and Arbol Ave., $250,000.

Calif., Monterey—STORE and OFFICE —M. Spazier, plans by H. J. Knauser, 1124 S. Western Ave., Los Angeles, 4 story, basement, 75 x 97 ft. Class "A," Main St., $150,000.

Calif., Santa Barbara—COURT HOUSE —Santa Barbara Co., plans fireproof court house (branch). To exceed $150,000.

Calif., Santa Rosa—MEMORIAL—Corporation being organized by State Senator F. S. Boggs, Stockton, plans fireproof memorial building, Burbank, $250,000. Engineer and architect not selected.

Que., Quebec City—THEATRE—N. L. Nathanson, theatre, St. John St. $1,000,000. Engineer and architect not selected.

Ont., Oshawa — FIRE HALL and POLICE BUILDING — City, rein.-con., brick, steel, plain found. $150,000. W. C. Smith, Municipal Offices, engr.

Ont., Toronto—FURNITURE STORE—J. Eaton Co. Ltd., Yonge and Queen Sts., plans by Sproat & Rolph, 1162 Bay St., and Ross & McDonald, 1 Belmont St., Montreal, Que., 7 story 2 basement, 206 x 246 ft., rein.-con., brick, steel, plain found., Yonge and College Sts. $2,500,000.

Ont., Toronto — LOFT—Three-O-Three Chemical Co., 27 Dundas St. E., plans by Kaplan & Sprachman, 305 Dundas St. W., rein.-con., brick, steel, plain found., Bathurst St. $200,000.

Ont., Toronto—OFFICE—Toronto Medical Arts Building, Lumsden Bldg., plans by Marani, Lawson & Paisley, 219 Bay St., 9 story, basement, rein.-con., brick, steel, plain found., Bloor St. W. $900,000.

Ont., Toronto—SHOW ROOM and SERVICE BUILDING—Lee & Duggan, 621 Yonge St., 2 or 3 story, 101 x 111 ft., rein.-con., brick, steel, plain found., Yonge and Gloucester Sts. $250,000. Engineer and architect not selected.

Bids Desired

Mass., Fall River — STORE, RESTAURANT and OFFICE — M Thong, c/o J. M. Darling, archt., North Main St., taking new bids 3 story, basement, brick, stone, plain found., North Main and Granite Sts. $150,000. Former contract rescinded. Noted May 3.

Mass., Framingham—BANK—Farmers & Mechanics Savings Bank, A. M. Fitts, pres., taking bids 1 and 2 story, basement, rein.-con., steel and stone, plain found., corner Park and Franklin Sts. $150,000. T. M. James, Co., 3 Park St., Boston, archt.

Mass., Lexington — MERCANTILE — Ruben & Seligman, 294 Washington St., Boston, taking bids 2 story, basement, brick, stone, plain found., on site Old Town Hall. $150,000. Eisenberg & Feer, 46 Cornhill, Boston, archts.

N. Y., Beacon—SUPERINTENDENT'S HOME, etc.—Sept. 14, by Commissioner Correction, Albany, superintendents residence, employees home, addition to Women's Group Matteawan State Hospital; adv. E. N.-R. Aug. 23.

N. Y., Brooklyn—APARTMENT—See "Contracts Awarded."

N. Y., Brooklyn—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Jackson Heights (sta. Flushing)—APARTMENT—See "Contracts Awarded."

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N. Y., Kew Gardens—APARTMENT—See "Contracts Awarded."

N. Y., Long Island City—APARTMENT —See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Syracuse—HOSPITAL—Aug. 27, by A. N. Fay, chn. Onondaga Co. Charities Com., 4 story, basement, 110 x 125 ft. hospital, at Onondaga Co. Home. $250,000. M. L. King, Denison Bldg., archt.

N. J., East Orange — APARTMENT — Kenmore Corp., 9 Clinton St., Newark, bids about Sept. 1, 4 story, basement, 90 x 100 ft., brick, steel, plain found. 17 South Grove St. Former bids rejected. $175,000. Noted May 31.

N. J., Newark — APARTMENT — See "Contract Awarded."

N. J., Newark — HOTEL — Cedarbrook Heights Development Corp., c/o S. Cohen, archt., 134 Branford Pl., bids about Oct. 1, 3 story, basement, 70 x 100 ft., brick, steel, plain found. Milford Ave. $150,000. Noted Aug. 2.

N. J., Rutherford—APARTMENT—P. F. Liva, 206 Stuyvesant Ave., Lyndhurst, bids about Oct. 1, 5 story, basement, 100 x 140 ft., brick, steel, plain found., Jackson and Union Ave. $300,000. Noted June 28.

Del., Wilmington—Aug. 28 by Brown & Whiteside, archts., Du Pont Bldg. 5 story, basement, 162 x 167 ft., brick, steel, plain found., Washington St., for Y.M.C.A., c/o archts. Noted Dec. 1.

N. C., Durham—OFFICE—Aug. 22, by R. E. Dillard, 10 story, 68 x 92 ft. steel, brick, concrete, medical office building, for Union Prof., Building Corp., $5000,00.

Ill., Chicago—APARTMENT—Syndicate, c/o K. T. White & Co., archts., 180 North Michigan Ave., 8 story, basement, 50 x 135 ft., rein.-con., brick, 6002 Winthrop Ave. $300,000.

Ill., Chicago—MERCHANDISE MART—Marshall Field & Co., Washington and State Sts., bids about Oct. 15, superstructure 24 story, 425 x 650 ft., Wells, Kinzie and Orleans Sts. Total $30,000,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., archts. Noted May 17.

Ill., Evanston — APARTMENT and STORE—A. Lanski, 134 North LaSalle St., Chicago, taking bids 4 story, 74 x 132 ft., brick, stone, 827 Foster St. $250,000. T. R. Bishop & Son, 35 South Dearborn St., Chicago, archts.

Wis., Milwaukee — APARTMENT—Aug. 27, by Holabird & Root, archts., 333 North Michigan Ave., Chicago, Ill., 11 story with tower, basement, 134 x 144 ft., brick, steel addition, plain found., East Wells St., for P. Cudahey Family Co., c/o architects.

Ia., Des Moines — THEATRE — A. H. Blank Theatres, Inc., c/o A. H. Blank, pres., 300 Commonwealth Bldg., sketches remodeling, enlarging 2 story, brick, steel, stone, terra cotta, from 1,759 to 2,800 seating capacity. $500,000. This corrects report in Aug. 2 issue.

Tex., Austin—HOTEL—Sept. 1, by Driskell Hotel Co., c/o C. M. Bartholomew, pres., 902 West Ave., 12 story, 80 x 106 ft., rein.-con., brick addition, East 7th and Brazos Sts. $325,000. Trost & Trost, Two Republics Bldg., El Paso, archts.

Tex., Fort Worth — DEPARTMENT STORE—Aug. 30, by W. C. Hedrick, Inc., archts., 1005 1st Natl. Bank Bldg., 5 story, basement, brick, stone, steel, rein.-con., Houston, 4th and Throckmorton Sts., for Tiller Estate. $750,000. Sanger Bros., c/o C. L. Jones, pres., 2001 Ashland St., lessee.

Ore., Portland—HOTEL—DeYoung & Roald, archts., Spalding Bldg., take bids about Oct. 9, 10 story, double basement, 100 x 100 ft., rein.-con., timber, solid rock found., 17th and Washington Sts. $500,000.

Calif., Berkeley—HOTEL—W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, taking bids 6 story, basement, concrete, Durant St., for Berkeley Hotel Corp., c/o archt., $150,000.

Calif., Los Angeles—BANK and OFFICE —A. Curlett, archt., Union Bank Bldg., Los Angeles, taking bids 12 story, basement, rein.-con., Vine St. and Hollywood Blvd., for Hollywood Central Bldg., Corp., c/o archts. $400,000.

Calif., Sacramento — MARKET — Coffman, Sahlberg & Stafford, archts., Plaza Bldg., taking bids 1 story, 115 x 160 ft., rein.-con., Alhambra Blvd. $175,000. Noted July 19.

Calif., Sacramento—PUBLIC MARKET —Coffman, Sahlberg & Stafford, archts., Plaza Bldg., taking bids 1 and 2 story, 125 x 175 ft., rein.-con., steel, plain found., incl. ice and cold storage plant, Alhambra Blvd. and Granada Way. $200,000. Noted July 12.

Calif., San Luis Obispo—STATION—Sept. 5, by State Hy. Comn., Sacramento, galvanized iron, incl. trunk shed, pump house, oil house and shop buildings. C. H. Purcell, Forum Bldg., engr.

Calif., Whittier — HOSPITAL — State Dept. Pub. Wks., Sacramento, bids about Sept. 12, four 2 story, rein.-con., hospital, administration, buildings and 2 cottages, $200,000. G. B. McDougall, State Archt., Forum Bldg., Sacramento, archt.

Ont., Windsor—OFFICE—Aug. 28, by R. Sculland, archt., Exchange Bldg., 6 story, basement, rein.-con., brick, steel, plain found., Ouellette Ave. for Medical Arts Building, c/o architect. $200,000.

Contracts Awarded

Me., Portland—APARTMENT—Clough & Maxin Co., 477 Congress St., 4 story, basement, brick, plain found., 11-13 Shepley St., separate contracts. $150,000.

Me., Portland—THEATRE, STORE and OFFICE—Congress St. Corp., c/o H. W. Rhodes, archt., 574 Congress St., 6 story, basement, 185 x 215 ft., brick, steel, plain found., to Kerr & Houston, 415 Congress Ave. Est. exceeds $150,000. Noted July 19.

Mass., Brockton—COURT HOUSE—Plymouth Co., Comn., F. T. Bailey, Court House, altering and constructing 2 story, basement, brick addition, plain found., to C. A. Batson, 25 Arlington St. $160,425. Noted Aug. 23.

Mass., Fall River—BANK and OFFICE —Citizens Savings Bank, J. F. Swift, treas., South Main St., 3 story, basement, 55 x 85 ft., brick, steel, limestone, plain found., to C. H. Hodgate Co., 370 Bedford St. Est. $200,000. Noted July 26.

Mass., Fall River—STORE and OFFICE —G. N. Durfee & Sons, 344 Lincoln St., 3 story, basement, brick, plain found., to C. F. Grinnell & Co., Oliver St. Est. $200,000. Noted July 26.

Mass., Fall River—STORE and OFFICES —R. A. McWhirr, 169 S. Main St., 3 story, basement, brick, stone, plain found., Pleasant St., to C. H. Hodgate Co., 370 Bedford St. Est. $150,000. Noted Jan. 26.

Mass., Marlboro—BANK—Marlboro Savings Bank, G. F. Robinson, pres., 32 Mechanic St., altering and constructing 2 story, basement, brick, steel, rein.-con., stone addition, plain found. to T. P. Hurley, 196 Main St., est. $150,000. Noted Aug. 9.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—Shepard & Stearns, archts., 65 Franklin St., Boston, 2 story and basement, 125 x 195 ft., brick, plain found. to W. A. and H. A. Root, 250 Stuart St., Boston, for H. M. Faxon, Cliveden Bldg. Est. $150,000. Noted Aug. 2.

N. Y., Brooklyn — APARTMENT — Beveridge Court, Inc., 371 Fulton St., 6 story apartment, East 29th St. and Glenwood Rd., separate contracts. $150,000. J. N. Linn, 371 Fulton St., archt. Noted Aug. 16.

N. Y., Brooklyn—APARTMENT—Carroll Park View Realty Corp., 611 Empire Blvd., apartment; President St. and Classon Ave., separate contracts. $700,000. Cohn Bros., 361 Stone Ave., archt.

N. Y., Brooklyn—APARTMENT—Fort Hamilton Realty Co., B. Fella, pres., 136 East 8th St., New York, 6 story, apartment, separate contracts. $250,000. MacManus & Griffiths, 11 East 42nd St., New York, archts. Noted Aug. 2.

N. Y., Brooklyn—APARTMENT—Madison Building Corp., H. Roberts, secy., 1170 Bway., New York, 6 story, 110 x 137 ft., brick, timber, Ft. Hamilton Ave. and 86th St., separate contracts. $350,000. Levy & Grillo, 373 Fulton St., archts. Noted Aug. 2.

N. Y., Brooklyn — APARTMENT — One Thousand One Hundred Twenty-Two Avenue N Corp., C. Happener, secy., 1122 Avenue N, apartment, Avenue N and East 12th St., separate contracts. $400,000. M. N. Weinstein, 93 Court St., archt.

N. Y., Brooklyn—APARTMENT—Philly Building Co., N. Joffe, secy., 4 story, 88 x 125 ft., brick, steel, 62nd St. and 11th Ave. Separate contracts. $400,000. P. L. Kieswetter, 16 Court St., archt., 858 Driggs Ave.

N. Y., Brooklyn—APARTMENT—Two Thousand Four Hundred Kings Highway Corp., 1770 East 15th St., apartment, Kings Highway and Mansfield Pl., separate contracts. $175,000. Seelig & Finkelstein, 66 Court St., archts.

N. Y., Brooklyn—APARTMENT—Wax Realty Co., N. Wax, pres., 417 Amity St., 4 story, 87 x 100 ft., 40th St. and 9th Ave., separate contracts. $150,000. J. J. Millman, 26 Court St., archt. Noted Aug. 2.

N. Y., Brooklyn—STORE and APARTMENT—M. K. and B. L. Realty Corp., L. Posner, secy., 611 Empire Bldg., 6 story, 192 x 203 ft., Kingston Ave. and Lefferts St., separate contracts. $650,000. Cahn Bros., 361 Stone St., archt.

N. Y., Brooklyn—STORE and APARTMENT—Community Pl. Corp., 105 Court St., 3 story, 20 x 86 ft. store and apartment, Ditmars Blvd. and West 19th St.,

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separate contracts. $240,000. M. Margolin, 105 Court St., archt.

N. Y., Corona (Ind. sta. Flushing)—BANK—Queens Co. Savings Bank, Flushing, 1 story, 50 x 100 ft., brick, steel, stone, to Robert Nash & Co., Bank Bldg., Flushing. Est. $300,000. Noted Aug. 2.

N. Y., Jackson Heights (sta. Flushing)—APARTMENT—Jackson Heights Apartment Co., 14 East 41st St., New York, 3 story, apartment, separate contracts. $150,000. H. G. Wells, 274 Madison Ave., archt. Noted Aug. 9.

N. Y., Kew Gardens—APARTMENT—M. Baher, Plaza Crescent Bldg., Long Island City, 6 story, 161 x 193 ft. apartments, separate contracts. $350,000. B. Braunstein, 163-18 Jamaica Ave., Jamaica, archt. Noted Aug. 9.

N. Y., Long Island City—APARTMENT—La Rosa & Sons, 9 Wyckoff Ave., 6 story, 88 x 158 ft., brick, Trautman and Cypress Aves., separate contracts. $275,000. H. J. Munch, 44 Court St., Brooklyn, archt.

N. Y., New York — APARTMENT — Bromwall Realty Co., Inc., 2034 Davidson Ave., apartment, Wallace and Bronxdale Aves., separate contracts. $175,000. G. W. Swiller, 4215 3rd Ave., archt.

N. Y., New York—APARTMENT—Caul Realty Corp., H. E. Murray, 25 West 43rd St., 15 story, 100 x 149 ft., brick, steel, 96 Central Park West, to Earl & Calhoun, 265 West 72nd St. Est. $1,600,000. Noted July 26.

N. Y., New York — APARTMENT — Ferbro Realty Co., Inc., J. Feraca, pres. apartment, Bryant and Lafayette Sts., separate contracts. $175,000. G. G. Miller, 1482 Bway., archt. Noted Aug. 2.

N. Y., New York—APARTMENT—Five Hundred Eighty-Nine Tinton Ave. Corp., S. Gordan, pres., 56 West 45th St., apartment, separate contracts. $200,000. Springsteen & Goldhammer, 40 East 49th St., archts. Noted Aug. 2.

N. Y., New York — APARTMENT — Galock Realty Corp., S. Gordon, pres., 56 West 45th St., 67 x 150 ft., brick, timber, McGraw and Stomow Sts., separate contracts. $200,000. Springsteen & Goldhammer, 40 East 49th St., archts. Noted Aug. 9.

N. Y., New York—APARTMENT—E. J. Nathan, 441 West End Ave., apartment, Bank St. and Greenwich Ave., separate contracts. $375,000. Gronenberg & Leuchtag, 1385 Bway., archts.

N. Y., New York—APARTMENT—Westland Impvt. Co., 33 West 42nd St., apartment, 413 West 24th St., separate contracts. $200,000. Springsteen & Goldhammer, 40 East 49th St., archts.

N. Y., New York — APARTMENT — J. Sager, 1440 Bway., 16 story apartment, 693 West End Ave., separate contracts. $1,000,000. J. M. Felson, 250 West 57th St., archt.

N. Y., New York—APARTMENT—Three Hundred Fifty Central Park West, I. Kraft, pres., 1560 Bway., 16 story, 108 x 201 ft., brick, steel, plain found., 341 Central Park West, separate contracts. $1,250,000. J. M. Felson, 250 West 57th St., archt. Noted Aug. 9.

N. Y., New York — APARTMENT — Townwald Realty Corp., 505 Tremont St., 6 story, 90 x 150 ft., separate contracts. $400,000. Glick & Duma, 400 Fordham Rd., archts. Noted Aug. 9.

N. Y., New York—BANK and OFFICE—American Exchange-Irving Trust Co., 60 Bway., 46 story, brick, steel, to Marc Eidlitz & Sons, 41 East 42nd St. Est. $5,000,000. Noted Aug. 16.

N. Y., New York—CLUB and OFFICE—Society of Tammany Order, 145 East 14th St., 79 x 158 ft. club and office, 44 Union Sq., to J. H. Brady, 430 East 70th St. Est. $350,000. Noted Apr. 26.

N. Y., New York—STORE and APARTMENT—B. M. House & Son, 17 West 96th St., 16 store, 301 East 38th St., separate contracts. $1,000,000. Ellis, Aaronson & Heidrich, 25 West 43rd St., archts.

N. J., East Orange—STORE and OFFICE—F. Bower, archt., 437 Main St., general contract 2 story, basement, 80 x 125 ft., brick, plain found., to R. Allen, Inc., 391 Mt. Pleasant Ave., Newark, for Kelpo Realty Co., 372 Main St. Est. $150,000. Noted July 26.

N. J., Hoboken—BANK—W. Newman, archt., 40 Journal Sq., Jersey City, general contract 2 story, basement, 45 x 80 ft., brick, steel, plain found., 4th and Grand Sts., to G. De Kimpe, 360 Broad Ave., Ridgefield for City Steneck Trust Co., 95 River St. Est. $150,000. Noted Aug. 9.

N. J., Morristown — HOTEL — H. J. Nurick, archt., 44 Court St., Brooklyn N. Y., general contract 3 story, basement, 70 x 140 ft., brick, steel, plain found. Mendham Rd. to Walker & Hodge, 1206 Bayport Pl., Far Rockaway, N. Y. Est. $150,000. Noted Aug. 2.

N. J., Newark—APARTMENT—Webster Impvt. Co., 24 Branford Pl., 5 story, basement, 85 x 145 ft., brick, steel, plain found. 769-79 Bway. separate contracts. $200,000.

N. J., Ridgefield — BANK — Ridgefield Natl. Bank Broad St., general contract 2 story, basement, brick, steel, plain found., Broad and Edgewater Aves., to Mahony-Troast Co., 38 Bloomfield Ave., Passaic. Est. $150,000. Noted Aug. 9.

Pa., Bloomsburg—HOSPITAL—Bloomsburg Hospital, J. S. John, pres., 214 West Main St., general contract 4 story, basement, 26 x 38 ft. and 44 x 180 ft. hospital addition, 3 story, basement, 33 x 57 ft. nurses home and 2 story, basement, 39 x 55 ft. boiler house, all rein.-con., brick, to Berwick Lumber Supply Co., Berwick. Noted Aug. 2.

Pa., Connellsville—THEATRE and OFFICE—K. M. Wallace, general contract, 2 story, basement, Main St., to Cavaliers, Madison and West Pittsburgh Sts., Greensberg. $200,000. Noted July 5.

Pa., McKeesport—THEATRE—J. Eberson, archt., 212 East Superior St., Chicago, Ill., general contract 2 and 3 story, basement, irregular shaped theatre, Market St. to Blair & Mack, 920 Market St., for Harris Amusement Co., Davis Theatre Bldg., Pittsburgh. Est. $750,000. Noted July 26.

Pa., Phila. — APARTMENT — G. H. Murphy, archt., 4432 Frankford Ave., 4 story, basement, 42 x 46 ft., and 56 x 115 ft., rein.-con., brick, steel, plain found., to F. A. Cavalieri, 1265 Cheltenham Ave., for L. Cantafio, c/o architect. Est. $200,000. Noted Aug. 2.

Pa., Pittsburgh — APARTMENT — Martinique Apartment Co., c/o contractor, general contract 4 story, basement, apartment, Baum Blvd. to Toupet Building Co., 5931 Howe St. Est. $250,000.

Pa., Sewickley—HOSPITAL—Sewickley Valley Hospital Assn., general contract 4 story, basement, Blackburn Rd. to Hutter Constr. Co., Fond du Lac, Wis. Est. $750,000. Noted June 21.

Ga., Atlanta—CITY HALL—H. C. Mccutcheon, chn., City Council, City Hall, general contract 15 story, basement, rein.-con., brick, steel, to National Constr. Co., Norris Bldg., $840,700. Noted July 12.

Ky., Louisville—GARAGE and DANCE HALL—E. T. Hutchings, archt., Heyburn Bldg., 3 and 4 story, 161 x 210 ft., brick, steel, stone, to Castlewood Realty Co., McDowell Bldg. $300,000, sub-contracted concrete work, to J. U. Schickli & Bros. $130,000, for H. Caperton, 419 West Jefferson St. Noted June 21.

O., Cleveland — MEDICAL ARTS and GARAGE — Cleveland Union Terminal Co., C. L. Bradley, pres., Terminal Tower Bldg., 18 story, basement, brick, steel, concrete, Public Sq., to Lundoff-Bicknell Co., B. F. Keith Bldg. Est. $5,000,000. Noted May 8.

Ill., Chicago—APARTMENT—Elm Street Co., 120 North La Salle St., masonry 7 story, 111 x 138 ft., brick apartment, Elm St. W., to H. Janisch, 1813 Winona St. Est. $250,000.

Ill., Chicago — APARTMENT — A. J. Thomas, archt., 111 West Washington St., general contract 4 and 5 story, basement, 263 x 938 ft., brick, to O. W. Rosenthal-Cornell Co., 228 North La Salle St., for Marshall Field Estate, 230 South Clark St. Est. $4,000,000. Noted May 24.

Ill., Chicago—APARTMENT HOTEL—Washington Plaza Building Corp., c/o Leichenko & Esser, archts., 38 South Dearborn St., 7 story, basement, 90 x 137 ft., rein.-con., brick, stone, to Lind Constr. Co., 6404 South State St. Est. $700,000. Noted May 24.

Ill., Chicago—APARTMENT HOTEL—A. Zinsok, 4662 Lake Park Ave., masonry 3 story, basement, 50 x 165 ft. apartment hotel, Kimbark Ave., to L. Rubin, 4958 North St. Louis Ave. Est. $160,000. Noted July 26.

Ill., Chicago—BANK, STORE and OFFICE—Belmont Sheffield Bldg. Corp., 1002 Belmont Ave., general contract 6 story, basement, 100 x 125 ft., Belmont and Sheffield Ave., to J. H. Johnson, 612 North Michigan Ave. Est. $600,000.

Ill., Chicago—COMMUNITY HOUSE—Roberts & Roberts, archts., 105 North Clark St., general contract 3 story, 100 x 200 ft., brick, stone, to E. L. Archibald, 111 West Washington St. Est. $150,000. Noted June 21.

Ill., Chicago — HOTEL — Drake Towers Building Corp., c/o Drake Hotel, general contract 30 story, basement, 110 x 217 ft. addition to Drake Hotel, to B. H. Marshall Constr. Co., 200 East Walton Pl. Est. $2,000,000. Noted Jan. 19.

Ill., Chicago—MERCHANDISE MART—Marshall Field & Co., Washington and State Sts., $38,000 tons steel for 24 story, 425 x 650 ft. merchandise mart, to Bethlehem Steel Corp., 301 East 3rd St., Bethlehem, Pa., $2,500,000; 450 caissons each 110 ft. deep, to John Griffiths & Sons Co., 228 North La Salle St. Noted May 17.

Ill., Chicago—STORE and APARTMENT—P. F. Reynolds, 38 South Dearborn St., 18 story, basement, 126 x 160 ft., 2349-65 North Clark St., masonry and concrete, to Adolph Lindstrom Co., 77 West Washington St. McNally & Quinn, 10 South La Salle St., archts.

Ill., Chicago—THEATRE and STORE—J. Masholinas, c/o M. O. Nathan, archt., 123 West Madison St., masonry and carpentry contract 2 story, 130 x 150 ft., brick, 3508-16 South Halsted St., to Zemon Constr. Co., 11 South La Salle St. Est. $300,000.

Ill., Chicago — STORE and OFFICE — Syndicate, c/o K. M. Vitzthum & Co., archts., 307 North Michigan Ave., general contract 47 story, basement, to John Griffiths & Son Co., 228 North LaSalle St. Est. $8,000,000.

Ill., Evanston — APARTMENT and STORE—Thielber & Fugard, archts., 219 East Superior St., Chicago, 4 story, basement, 103 x 116 ft., brick, steel, to Borg & Johnson, 2452 Irving Park Blvd., Chicago, for R. R. McKinnie. Noted July 19.

Ia., Marshalltown — HOTEL — Eppleys Hotel Co., Hotel Fontanelle, Omaha, Neb., Hotel Tallcom, 8 story, basement, pressed brick, to H. L. Stevens Co., 30 North Michigan Blvd., Chicago, Ill., $350,000.

Minn., Minneapolis — APARTMENT — A. A. Hanson, 208 Plymouth Bldg. general contract 4 story, basement, rein.-con., brick, bedford and rubble stone apartment, 13th St. and Yale Pl., to Madsen Constr. Co., 618 Natl. Bldg. Est. $400,000. Noted June 14.

Neb., Omaha—APARTMENT—J. and S. Wolf, 1421 Douglas St., 3 story, basement, 130 x 166 ft., rein.-con., brick apartment, to A. Beck, 401 Keeline Bldg. Est. $250,000. Noted July 7.

Mont., Great Falls—STORE—Paris Dry Goods Co., F. A. Figman, pres., general contract 4 story, basement, 100 x 150 ft., rein.-con., brick, terra cotta, 4th St., to Lease & Leigland, Great Falls $239,837; plumbing and heating, to Pinski Bros., Great Falls $44 450; electric wiring, to Cascade Electric Co., Great Falls $23,000. Grand total $307,287. Noted Aug. 2.

Mo., St. Louis—OFFICE—Plaza Realty Co., W. J. Holbrook, pres., 1010 Olive St., general contract 12 story, basement, 39 x 50 x 293 ft., rein.-con., brick, terra cotta, Olive St., to Boaz-Kiel Constr. Co., 1207 Ambassador Bldg. Est. $1,500,000.

Calif., Huntington Park—STORE and OFFICE—Wilson & Willard, 3 story, 105 x 150 ft., rein.-con., addition, Pacific and Slauson Ave., to R. Brownell, 200 West Slauson Ave., $200,000. Noted June 21.

Calif., Los Angeles—APARTMENT—W. M. Haussler, 1914 South Figueroa St., 6 story, 50 x 100 ft., rein.-con., stone, Ingram and Lucas Sts., by own forces. $250,000.

Calif., Los Angeles—HOSPITAL—Los Angeles Co., rein.-con. hospital, to Simpson Co., 701 Antonio St., Los Angeles, $238,900. Noted June 14.

Calif., Sacramento—HOTEL—H. Goldstein, 7 story, basement, 125 rooms Class "A" 12th St., to G. E. Harvie, 2212 T St., Sacramento, $150,000.

Calif., Santa Monica — APARTMENT — A. C. Winnor, 310 Library Exch., Minneapolis, Minn., 4 story, basement, 95 x 140 ft., timber, California and 45th Sts., to Chute Finance & Constr. Co., 105 East Palmer St., Glendale, $200,000.

Calif., Santa Monica — APARTMENT — Owner c/o L. Weiner, archt., 316 Spring St., Los Angeles, 4 story, basement, brick, 4th St., to S. Klitnik, 5466 West 9th St., Los Angeles. Est. $150,000.

N. S., Halifax—STATION and HOTEL—G. S. Archibald, archt., 1134 Beaver Hall, Hill, Moontreal, Que., new station and hotel to Foundation Jupiter Co., Ltd., Halifax, for Canadian Natl. R.R. Noted July 19.

Ont., Windsor—APARTMENT—I. Goldstein, 842 Dufferin Pl., 3 story, basement, 50 x 164 ft., rein.-con., brick, steel, stone, plain found., Ouellette Ave., owner builds. $150,000.

Ont., Windsor — OFFICE — Securities Development Co., Security Bldg., 12 story, basement, 60 x 105 ft., brick, steel, stone, London St. W., to S. E. Dinsmore Co., Security Bldg. Est. $750,000.

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Buildings—Industrial

Proposed Work

Vt., Dorset — PLANT — Manchester Marble Co., P. R. Eaton, mgr., plans rebuilding marble plant. $40,000 or more. Engineer and architect not selected.

Mass., Bridgewater — FOUNDRY — Henry Perkins Co., Bridgewater, 1 story, brick addition, plain found., Broad St. Engineer and architect not selected.

Mass., Brockton—REPAIR SHOP—Eastern Massachusetts Railway Co., 38 Chauncey St., Boston, soon lets contract altering 1 story, brick, steel plain found., South Main St. $40,000. Private plans.

Mass., Cambridge (br. Boston)—MANUFACTURING—Crandall Eng. Co., c/o R. T. Jackson, archt., 44 School St., Boston, taking bids 2 story, brick, plain found., Kendall Sq. $40,000.

Mass., Lynn—FACTORY—Bender Shoe Co., M. F. Costigan, 95 State St., revised plans by Sanborn & Weed, Item Bldg., altering 1 and 2 story, brick and timber, incl. heating plant, State St. $40,000 or more.

Mass., Lynn—NEWSPAPER PLANT—North Shore News Co., 52 Exchange St., revised plans by Sanborn & Weed, Item Bldg., 2 story, 65 x 105 ft., brick addition, plain found. $40,000. Former bids rejected. Noted Aug. 2.

Mass., Natick — SERVICE GARAGE, SALESROOM, and REPAIR SHOP—F. Kirby, Summer St., plans by E. F. Albridge, 761 Dudley St., Dorchester, 1 story, 70 x 110 ft., rein.-con., brick, steel, plain found., Summer St. $50,000.

R. I., Cranston (mail Providence) — FACTORY — Kesterman Bros., 150 Chestnut St., Providence, jewelry factory, Gladstone St. $40,000 or more. Engineer and architect not selected.

N. Y., New York—SERVICE GARAGE—H. Perlman, 151 West 42nd St. plans by Siegel & Cohn, 45 West 57th St., 91 x 125 ft., brick, concrete Pugsley and Weslock Aves. $50,000.

N. Y., New York—SERVICE GARAGE—J. Reitano, Jr., 827 East 222nd St., plans by F. J. Ross, 4200 White Plains Ave., 100 x 100 ft., brick and concrete, Lafayette Ave. and Whittier St. $60,000.

N. Y., New York — SERVICE GARAGE and STORES — Weprin & Glass Building Corp., 145 West 27th St. plans by C. N. Whinston, 2 Columbus Circle, 2 story, 68 x 168 ft., brick, concrete, Cedar and 179th St. $75,000.

N. J., Bergenfield—BAKERY—Foerster Bakers Inc., 207 North Washington Ave., rejected bids 3 story, basement, 100 x 270 ft., brick, steel, plain found. South Washington St. and Rutland Ave. $150,000. McCormack Co. Inc., 41 Park Row, New York, archt. Noted Apr. 26.

N. J., Newark—IRON WORK PLANT—Pioneer Iron Works Inc., L. J. Siegler, pres., 317 Frelinghuysen Ave., brick, steel, plain found. 317-21 Frelinghuysen Ave. $45,000.

N. J., Orange—FACTORY—Mead-Suydam Co., 400 Sheridan St., sketches by A. P. Nucciarone, 206 Central Ave., 1 story, basement, brick, steel, plain found., Sheridan St., $40,000.

N. J., Orange—MILK DISTRIBUTION PLANT—Newark Milk & Cream Co., c/o W. E. Lehman, archt., 972 Broad St., Newark, soon lets contract 1 story, 50 x 400 ft., brick, steel, plain found. Main St. $75,000.

Ala., Mobile—PAPER PLANT—International Paper Co., c/o J. H. Allen, Cawthon Hotel, engr., plans paper mill plant near Chickasaw Creek. $5,000,000.

Ky., Paducah—POWER PLANT—City election Nov. 7, power plant. $800,000. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

O., Chillicothe—FACTORY—A. Kysel, Buckeye Tile Co., soon takes bids 1 story, 104 x 200 ft. brick, factory. $40,000.

O., Cleveland—ENGINE HOUSE—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Terminal Tower Bldg., plans by G. Herr, c/o owner, 1 story, brick, steel, addition, East 152nd St. $25,000.

Ill., Chicago—FACTORY—Western Packing & Provision Co., F. Warton, pres., 3830 South Morgan St., plans by B. K. Gibson, 624 South Michigan Ave., 4 story, 99 x 140 ft., brick, 3830 South Morgan St. $180,000.

Wis., Madison—FACTORY—Law, Law & Potter, archts., 1 South Pickney St., soon lets contract 3 story, basement, 60 x 150 ft., brick, steel, rein.-con., plain found., for Mautz Paint & Glass Co., 116 North Murray St. $80,000.

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Wis., Madison—FACTORY—Mautz Paint & Glass Co., 116 North Murray St., plans by Law, Law & Potter, 1 South Pickney St., 3 story, basement, 60 x 150 ft., brick, steel, rein.-con., stone, wood pile found. $80,000.

Minn., Duluth — WAREHOUSE—Minnesota Power & Light Co., 402 Power Bldg., plans 2 story, basement, 80 x 125 ft., brick, stone, steel warehouse. $150,000. Private plans.

Mo., Koch — POWER PLANT — Bd. P. Serv., City Hall, St. Louis, rein.-con., brick addition to power plant at Robert Koch Hospital, incl. 500 hp. boiler, stoker breechings, pipe, etc., for City of St. Louis. L. R. Bowen, City Hall, engr.

Tex., Lockhart—COTTON COMPRESS—Mohie Gin Co., plans brick and concrete compress $60,000 incl. equipment. Private plans.

Tex., San Benito—PACKING PLANT—Texas Citrus Fruit Growers Exch. c/o J. Shary, pres., Mission, plans by H. H. Ewing, Mission, and soon takes bids 3 story, brick, rein.-con., plant. $100,000.

Calif., Los Angeles—CANNING PLANT—California Sanitary Canning Plant, plans by H. N. Andrews, 432 Florencita Ave., Montrose, 2 story, 165 x 400 ft. canning plant, 1 story, 165 x 190 ft., warehouse, bricks, Long Beach Ave. and 5th St. $100,000 or more.

Calif., Vernon — PACKING PLANT — Swift & Co., 916 East 1st St., Los Angeles, 2 story and part 4 story, 114 x 212 ft., rein.-con., steel, Vernon and 39th Sts., $40,000 or more. Private plans.

Ont., Hamilton — FACTORY — Firth Bros. Ltd., 144 James St. N., soon take bids 4 story, basement, 85 x 150 ft., rein.-con., brick, steel, James St. N. $150,000. W. B. Riddell, Sun Life Bldg., archt.

Ont., Hawkesbury — SAW MILL — Hawkesbury Lumber Co., Ltd. saw mill. $125,000.

Ont., Hilton Beach — GRAVEL HANDLING PLANT — See "Unclassified."

Ont., Mount Denis — FACTORY — First Brook Bros., 283 King St. E., Toronto, plans by Chapman & Oxley, Northern Ontario Bldg., Toronto, 1 and 2 story, 45,000 sq.ft. rein.-con., brick, steel, plain found. $250,000. Noted July 5.

Ont., Niagara Falls — FILTRATION PLANT and POWER HOUSE—Niagara Falls Water Comn., plans rein.-con., steel, stone filtration plant and power house. $500,000. F. B. Dallyn, 71 King St. W., Toronto, engrs.

Ont., Toronto—FACTORY—Smith Bros., 188 Duke St., rein.-con., brick, steel, plain found., Logan Ave. $150,000. Engineer and architect not selected.

Bids Desired

Mass., Cambridge (br. Boston)—MANUFACTURING and STORAGE—Crane Co., 799 Boylston St., Boston, will not construct 5 story, 90 x 475 ft., brick, rein.-con., Vassar St. Project abandoned.

Mass., Natick — SERVICE GARAGE, SALES, and REPAIR SHOP — F. Kirby, Summer St., taking bids 1 story, 70 x 110 ft., brick, steel, rein.-con., plain found., Summer St. $50,000. E. F. Albridge, 761 Dudley St., Dorchester, archt.

Mass., Salem—BOILER HOUSE—Park Leather Co., 55 Grove St., taking bids 1 story, rein.-con. boiler house, plant addition, plain found. W. H. Hunt & Son, 208 Essex St., archts.

Mass., Worcester — LAUNDRY — Hovey Laundry Co., 41 Austin St., taking bids 4 story, basement, 60 x 80 ft., brick, steel, terra cotta, addition, plain found., Austin St. $50,000. A. J. Smith, 58 Front St., archt. Noted July 26.

Conn., Bristol—FACTORY—E. Ingram Co., 392 North Main St., taking bids 5 story, 50 x 162 ft., brick, timber unit, North Main St., $100,000. M. J. Unkelbach, 52 Main St., New Britain, archt. Noted Aug. 16.

Conn., Hartford — FOUNDRY — M. S. Little Mfg. Co., 151 New Park Ave., taking bids 1 story, 50 x 120 ft., brick, concrete and steel addition. $40,000. W. W. Dolliver, 136 Kent St., archt.

N. Y., Auburn—SHOP—Sept. 6, by Commissioner Dpt. Correction, 11 North Pearl St., Albany, shop building at Auburn Prison; adv. E. N.-R. Aug. 23. Noted July 12.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Long Island City — SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—MANUFACTURING and LOFT—Harley Realty Corp., I. Chaitin, pres., 121 West 27th St., taking bids 4 story, 58 x 64 ft., 201 West 29th St. $100,000. Sugarman & Berger, 345 Madison Ave., archts. Noted Aug. 2.

N. Y., New York—GARAGE—See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—Richback Realty Corp., 534 East 72nd St., bids in September, 4 story, 94 x 100 ft., brick, concrete, 407 East 61st St. $75,000. W. Shary, 41 Union Sq., archt. Noted Aug. 16.

O., Portsmouth—FACTORY—Selby Shoe Co., bids about Sept. 9, 5 story, basement, factory, 7th St., $300,000.

Wis., Milwaukee—FACTORY—See "Contracts Awarded."

Mo., Kansas City—BOTTLING PLANT—See "Contracts Awarded."

Mo., St. Louis — SODA BOTTLING PLANT — See "Contracts Awarded."

Calif., Los Angeles—PRINTING PLANT—Taylor & Taylor, archts., 810 West 6th St., taking bids 1 story, 30 x 100 ft. addition to present plant with 2 story annex 42 x 134 ft., concrete Winston St. for Wolfer Printing Co., Winston and Wall Sts.

Calif., Sacramento—MILLING—Capitol Rice Milling Co., bids about Sept. 1, for building 4 story, rein.-con., levee, recently destroyed by fire. $200,000.

Ont., Hamilton—FACTORY—Aug. 24, by J. M. Moore & Co., archts., 489 Richmond St., London, 2 story, basement, 100 x 120 ft., brick, steel, King St., for Natl. Hosiery Mills, Ltd. $75,000.

Contracts Awarded

Me., Burnham—POWER PLANT—Central Maine Power Co., Green St., Augusta, power plant to Ambursen Constr. Co., Grand Central Terminal Bldg., New York. Est. $90,000. Total est. $300,000.

N. H., Claremont—SERVICE and REPAIR GARAGE — Howe's Garage, 37 Pleasant St., 1 story, 100 x 125 ft., brick, steel, plain found., Pleasant St., to W. Fletcher, Brookside Ave. Est. $50,000.

Mass., Boston—LIGHT MANUFACTURING—J. Stanetsky, 61 Washington St., altering and constructing 5 story, brick addition, plain found., to J. Cavanaugh, 46 Cornhill St. $40,000.

Mass., Cambridge (br. Boston)—MANUFACTURING and STORAGE—Cambridge Salvage & Supply Co., 91 Bway., 2 story, basement, 80 x 95 ft., brick, plain found., to M. Slotnick, 333 Washington St., Boston. Est. $70,000. Noted June 14.

Mass., Charlestown (sta. Boston)—MILK PLANT—H. P. Hood & Sons, 494 Rutherford Ave., 3 story, 175 x 285 ft., brick, rein.-con., plain found., to Turner Constr. Co., 178 Tremont St., Boston. Est. $300,000. Noted Aug. 2.

Mass., Hyde Park (Ind. sta. Boston)—MANUFACTURING and STORAGE — Tileston & Hollingsworth, 213 Congress St., Boston, 1 story, 105 x 110 ft., brick, steel, timber, plain found., River St. to M. C. Tuttle Co., Park Sq. Bldg. Est. $65,000.

Mass., Lynn—SHOP—Lynn Ornamental Iron Wks., 966 Broad St., 1 story, brick, rein.-con., plain found., Broad St., to L. Chilles, 22 Murray St.

Mass., New Bedford—MILL—New Bedford Rayon Co., Manoment Mills Plant, altering and reconstructing 4 story, basement, brick, timber, plain found., Belleville Ave. to Loche & Thomas, Olympia Bldg. Est. $40,000.

Mass., North Attleboro — FACTORY — Jewelers Co-operative Refining Co., Chestnut St., 1 story, rein.-con., steel, brick, plain found., Chestnut St., to J. Munroe, Jr., 56 High St. Est. $40,000.

Mass., Quincy — FACTORY — L. Grossman, 130 Granite St., 2 story, brick, plain found., factory, Granite St., separate contracts. $40,000. Noted Aug. 9.

Mass., South Boston (Sta. Boston)—FACTORY—Terkelsen Machine Co., 326 A St., altering and constructing 2 story, brick, timber addition, plain found., to Scully Co., 258 Main St., Cambridge. Noted Aug. 16.

Mass., South Walpole — PLANT — Bird Machine Co., 1 story, brick, addition plain found., to W. Smith, Norwood.

Mass., Watertown (Ind. br. Boston) — SERVICE GARAGE, SALESROOM and REPAIR SHOP—Watertown Electric Co., 7 Main St., 2 story, 90 x 100 ft., rein.-con., brick, steel, plain found., to Frankini Bros., 30 Mystic Ave., Medford. Est. $50,000. Noted May 17.

R. I., Providence — PRODUCE TERMINAL — Produce Wholesale Food Terminal c/o Jenks & Ballou, archts., 1035 Grosvenor Bldg., 2 story, basement, 60 x 965 ft., rein.-con., brick, steel, plain founds., produce terminal, incl. warehouse, cold storage, garage, administration power plant, refrigeration plant and service buildings to Turner Constr. Co., 178 Tremont St., Boston, Mass. Est. $3,000,000. Noted July 26.

Conn., Danbury — FACTORY — Danbury Industrial Corp., J. E. Pike, Danbury, 1 story, 65 x 200 ft., brick, steel Shelter Rock

Buildings—Industrial (Continued)

Road, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. $55,000.

Conn., Hartford — BAKERY — Federal Baseries, Inc., 218 Brady St., Davenport, Ia., brick, baking plant to Wise & Upson, 7 Forest St. Est. $40,000. Noted Aug. 16.

Conn., Norwich — PLANT — American Thermos Bottle Co., Laurel Hill Ave., 40,000 sq.ft., brick factory unit, Laurel Hill Ave., to A. Torrance, Prospect St., $81,740.

N. Y., Brooklyn—SERVICE GARAGE—Hoff Impvt. Co., 44 Court St., S. Cohn, pres., service garage, Boardwalk and Neptune Ave., separate contracts. $40,000. E. A. Glassman, 44 Court St., archt.

N. Y., Long Island City — SERVICE GARAGE—Stores Building, Inc., 463 7th Ave., New York, service garage, 38th St. and 43rd Ave., separate contracts. $180,000. Shampan & Shampan, 188 Montague St., Brooklyn, archts.

N. Y., New York — GARAGE and ANIMAL HOUSE — Rockefeller Institute, for Medical Research, 66th St. and Avenue A, 4 story, 40 x 84 ft., to Marc Eidlitz, 41 East 42nd St. Est. $250,000. Noted Aug. 16.

N. Y., New York—SERVICE GARAGE—Honora Building Corp., 1 Union Sq., service garage, White Plains and Waring Aves., separate contracts. $60,000. F. Wolfgang, 535 Tremont Ave., archt. Noted Aug. 9.

N. Y., New York—GARAGE—L. Held & Son, 810 East 168th St., 1 story, 57 x 203 ft. service garage, separate contracts. $40,000. H. Ginsberg, 222 East 42nd St., archt. Noted Aug. 9.

N. J., Beachhaven—ELECTRIC PLANT—Bd. Boro Council, Boro Hall, general contract rebuilding 1 story, basement, 42 x 50 ft., brick, steel, plain found. to B. L. Crammern, Beachhaven. Est. $40,000. Noted Aug. 9.

N. J., Camden—MANUFACTURING—Lackey & Hettle, archts., 5 Hudson Ave., 3 story, 52 x 120 ft. and 50 x 120 ft., brick, plain found. Mickle St., to H. J. Honan, 18th and Cherry Sts., Phila. for C. Cook Co., 211 South 2nd St. Est. $80,000. Noted Aug. 2.

N. J., Paterson—DYE and PRINTING PLANT—International Dye & Print Works, 1st Ave., general contract 1 story, basement, brick, steel, plain found. 61-69 1st Ave., to P. La Cava, Kenneth Ave., Fairlawn. Est. $40,000.

Va., Covington—FACTORY and POWER PLANT—Industrial Fibre Co., H. Rivitz, pres., West 98th St. and Walford Ave., Cleveland, O., 1 story, 330 x 831 ft., brick, steel to Fiske-Carter Constr. Co., Worcester, Mass., and Greenville, S. C. Est. $1,000,000.

Ga., Rome—MILL—American Chatillon Corp., 393 7th Ave., New York, 2 story, basement, rein.-con. and steel rayon mill to Hughes Foulkrod Co., Shaff Bldg., Phila., Pa. Noted May 17.

O., Cleveland — POWER HOUSE — Dpt. Welfare, 9th and Oak Sts., Columbus, J. E. Harper, dir., general contract 40 x 60 ft., 35 ft. high power house, Hawthornden Farm, to J. G. Woide, 1659 East 86th St., $29,800. Noted June 21.

Ill., Chicago—GASKET PLANT—Victor Mfg. & Gasket Co., 5750 West Roosevelt Rd., 4 story, 100 x 160 ft., rein.-con., brick top addition, Fillmore and Menard Aves., to Frank D. Chase, Inc., 720 North Michigan Ave. $150,000.

Ill., Chicago—FACTORY—O. D. Jennings & Co., 4329 Lake St., carpentry contract brick addition, 4309-39 Lake St., to J. C. Eshelman, 35 North Dearborn St. Est. $125,000.

Ill., Chicago—FACTORY—Cameron Can Mchy. Co., 240 North Ashland Ave., masonry and carpentry contract remodeling and constructing 1 story, 98 x 216 ft. brick addition, 228-48 North Ashland Ave., to J. A. Moraw & Owens Co., 144 West 47th St. Est. $100,000.

Ill., Chicago — FOUNDRY — American Forge Co., 2621 South Hoyne Ave., masonry contract 1 story, 80 x 140 ft., brick, 2617-25 South Hoyne Ave., to C. B. Johnson & Son, 306 South Wabash Ave. Est. $50,000.

Ill., Chicago — PIE FACTORY — Bellar Bros., 3659 West Harrison St., general contract 2 story, 200 x 250 ft., rein.-con., terra cotta, 26th St. and California Ave., to W. Adams Co., 209 South La Salle St. Est. $600,000.

Ill., Chicago — PRINTING PLANT — A. S. Alschuler, Inc., 28 East Jackson Blvd., general contract 10 story, basement, 127 x 150 ft., rein.-con., brick addition, to G. L. Arquette & Co., 180 North Michigan Ave., for J. T. Igoe, Van Buren and Jefferson Sts. Est. $1,200,000. Noted July 5.

Ill., Chicago—SHOP—International Harvester Co., 606 South Michigan Ave., masonry contract 1 story, 180 x 510 ft., brick, 2600 West 31st St., to W. McRae, 606 South Michigan Ave. Est. $170,000.

Ill., Chicago — TRANSFORMER—Interstate Iron & Steel Co., 104 South Michigan Ave., masonry contract 3 story, 50 x 83 ft., brick, 11800-58 Burley Ave., to Kritzer Constr. Co., 515 West 35th St. Est. $80,000.

Wis., Milwaukee — FACTORY — Globe Steel Tubes Co., Burnham St., 1 story, 200 x 300 ft., brick, steel addition, plain found., Burnham St., own forces. Private plans.

Ia., Davenport — PACKING PLANT — Kohrs Packing Co., 1343 West 2nd St., 2 story, brick addition, to Priester Constr. Co., Kahl Bldg., $61,600.

Ia., Des Moines—CASKET FACTORY—Des Moines Gasket Co., 405 Southwest 8th St., 1 story, 100 x 134 ft., rein.-con., brick, Indiana and Maine Sts., to Garmer & Stiles, 519 14th St. Est. $40,000.

Minn., Duluth—STORAGE and REPAIR SHOP—Minnesota Power & Light Co., 30 West Superior St., 75 x 110 ft., rein.-con., brick, plain found., Garfield Ave., to Pfeffer Constr. Co. Builders Exch. Bldg. $80,000.

Mo., Kansas City—BOTTLING PLANT—Eagle Bottling Wks., 1912 Walnut St., altering brick and steel plant, 19th and Cherry Sts., day labor. $100,000. S. C. Kenney, 715 Lloyd Bldg., archt.

Mo., Marshall — CONDENSARY — Page Milk Co., Merrill, Wis., 2 story, basement, 80 x 200 ft., rein.-con., brick condensary to P. E. Page, Marshall. Est. $250,000. Noted June 21.

Mo., St. Louis — SODA BOTTLING PLANT — Hygrade Water & Soda Co., 1314 South 13th St., 1 and 2 story, basement, 80 x 149 ft., brick, rein.-con. found., 657 Tower St. and Grove Ave., separate contracts. $40,000.

Tex., Amarillo — HELIUM PLANT — Bureau Mines, Wash., D. C., helium plant near here to J. T. Taylor, 707 1st Natl. Bank Bldg., Ft. Worth, $500,000.

Wash., Seattle—DAIRY PLANT—Western Dairy Products Co., 1533 4th Ave. S., 1 story, (ultimately 2 story) basement, 120 x 150 ft., addition to Teufel & Carlson, Skinner Bldg. $80,000.

Calif., Petaluma — CREAMERY — Petaluma Co-Operative Creamery, 2 story, rein.-con. creamery, Western Ave., to W. Singleton, 501 4th St., $40,000.

N. B., Dalhousie—PAPER MILL—International Paper Co., 100 East 42nd St., New York, paper mill, to Domill Constr. Co., Montreal, Que. Est. $3,000,000. Noted May 24 under New Brunswick.

Buildings—Educational, Religious

Proposed Work

Mass., Everett (br. Boston)—SCHOOLS—City, W. L. Howe, chn. school Comn., City Hall, sketches by McLaughlin & Burr, 88 Tremont St., Boston, altering and constructing 2 story, basement, 14 room addition, Nichols St. $150,000. Noted Aug. 9.

Mass., Roxbury (sta. Boston)—NURSES HOME—Massachusetts Women's Hospital, 53 Parker Hill Ave., plans by Andrew, Jones, Biscoe & Whitmore, 50 Congress St., Boston, 3 story, basement, brick, plain found., Parker Hill Ave. $150,000.

Mass., Somerset—CHURCH—St. John of God Roman Catholic Church, F. Furtado, pastor, c/o St. Michaels Rectory, 131 Stewart St., Fall River, soon takes bids 1 story, basement, brick, stone, plain found., near Reads Corner, South Somerset. $150,000 or more. H. Fallows, 131 Stewart St., Fall River, archt.

Mass., Worcester — CHURCH — Tatnuck Congregational Church, c/o J. T. Carter, pastor, plans church, Pleasant and Willard Sts. $150,000.

Mass., Worcester — CHURCH — Tatnuck Congregational Church, T. Carter, pastor, sketches by Peare & Dorman, 6 Beacon St., Boston, church, Pleasant St. and Willard Ave. $150,000.

R. I., East Providence (br. Providence)—HIGH SCHOOL—Town, plans 2 story, basement, brick, junior high school Riverside Section. $150,000 or more. Engineer and architect not selected.

Conn., Danbury — SCHOOL — Wooster School, A. C. Coburn, pastor, plans by J. M. Howells, 154 East 46th St., New York, N. Y., Sunderland & Watson, associated archts., 248 Main St., altering and constructing addition, Ridgebury Rd. $150,000.

Conn., Middletown—NURSES HOME—Middlesex Hospital, A. L. Bengston, 28 Crescent St., revised plans by Davis & Waldorff, 17 Whitney Ave., New Haven, 4 story, basement, 40 x 100 ft., brick, terra cotta steel nurses home, Crescent St. $150,000. Noted July 19.

N. Y., Hempstead—SCHOOL—Bd. Educ., Union Free School Dist., soon lets contract 3 story, basement, brick, steel, plain found., Bennet Ave. and Jackson Sts. $150,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted June 21.

N. Y., Monroe — SCHOOL — Bd. Educ., Town Hall, soon lets contract 3 story, basement, brick, steel, plain found. $150,000. F. W. Wentworth, 140 Market St., Paterson, N. J., archt. Noted Aug. 2.

N. Y., New York—SCHOOL—Church of Holy Family, 1071 Castle Hill Ave., bids latter part of September, 4 story, brick, Blackrock and Castle Hill Aves. $350,000. M. Hausle, 3307 3rd Ave., archt. Noted Aug. 2.

N. Y., New York—SCHOOLS—Bd. Educ., 500 Park Ave., plans by W. C. Martin, Flatbush Ave. extension and Concord St., Brooklyn, Evander Childs High School, 4 story, 281 x 364 ft., brick, Barnes Ave. and Gun Hill Rd. $3,100,000; and P. S. 93, 4 story, 178 x 182 ft., brick, Story and Boynton Sts. $850,000.

N. J., Dunellen — SCHOOL—Bd. Educ., Old New Market St., sketches by A. M. Korff, 203 Park Ave., Plainfield 2 story, basement, brick, steel, plain found., Lincoln Ave. and 1st St. $150,000.

N. J., Livingston—SCHOOL—Bd. Educ., Town Hall, 2 story, basement, brick, steel, plain found. North Livingston Section. $175,000. Architect's name withheld.

N. J., Newark — SCHOOL — Newark Academy, 544 High St., 2 story, basement, brick, steel, plain found. Orange St., and Branch Block Pk., $150,000. Engineer and architect not selected.

N. J., Newark—HIGH SCHOOL—Bd. Educ., City Hall, 3 story, basement, brick, steel, plain found. addition, Parker St., $300,000. Engineer and architect not selected.

N. J., South River — HIGH SCHOOL — Bd. Educ., Boro Hall, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, 100 x 120 ft., brick, steel, plain found. $150,000. Noted Aug. 2.

N. J., Trenton—HIGH SCHOOL—Bd. Educ., City Hall, plans by E. Sibley, Bluff Rd., Palisades, Central Senior High School, 2 story, basement, rein.-con., brick, steel, plain found. Chamber and Hamilton Aves., $3,000,000.

Pa., Pittsburgh—HIGH SCHOOL—Bd. Educ., Fulton Bldg., plans by Kiehnel, Elliott & Chalefont, Jenkins Arcade Bldg., 3 story, basement, brick, steel addition, Brushton Ave. $400,000.

Mich., Muskegon — CHURCH — Central Methodist Episcopal Church, plans by T. Sundt, Arch St., Phila., Pa., church, Muskegon St. Former bids rejected. Noted June 28.

Minn., Owatonna—CHURCH and PARSONAGE—St. Josephs Roman Catholic Church plans by Slifer & Abrahamson, 594 Endicott Bldg., St. Paul, 2 story, basement, 64 x 164 ft., brick, stone church and parsonage, plain found. $150,000.

Calif., Los Angeles—PHILOSOPHY—University of Southern California, plans by R. T. Flewelling, 423 Camden Dr., Beverly Hills, 3 story, 6 story tower, brick, steel, concrete, incl. office, classrooms, library vaults, reading room, etc. University site. $265,000.

Que., Verdun — CHURCH, PRESBYTERY and SACRISTY—A. Priest, pastor, Presbytery Parish of Norte Dame de Lourdes, 4843 Verdun St., soon lets contract. $300,000. A. Gravel, 294 St. Catherine St. E., Montreal, archt.

Ont., Oshawa — COLLEGIATE — Bd. Educ., 9 King St. W., 3 story, basement, rein.-con., brick, steel, stone, plain found. $200,000. Engineer and architect not selected.

Ont., Toronto—MUSEUM—Royal Ontario Museum, Bloor St. W., plans by Chapman & Oxley, Northern Ontario Bldg., 3 story, basement, rein.-con., brick, steel addition, plain found., Bloor St. W.

Bids Desired

Mass., Framingham — SCHOOL—Town, C. A. Potter, Chn., School Com., Beaumont Bldg., taking bids 2 story, basement, brick, stone, plain found., Beacon and Leland Sts. $150,000. E. I. Wilson, 109 State St., Boston, archt. Noted June 26.

Mass., Nantucket — HIGH SCHOOL — Town, Bd. Selectmen, taking bids, 2 story, basement, rein.-con., brick, stone, plain found., Academy Hill $180,000. Little & Russell, 20 Newbury St., Boston, archts. Noted Apr. 19.

N. Y., Brooklyn—SCHOOL—Sept. 5, by W. C. Martin, supt. school Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 200, Benson Ave., Bay

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Buildings—Educational, Religious (Cont.)

22nd and 23rd Sts., for Bd. Educ., 500 Park Ave., New York.

N. Y., Buffalo—COLLEGE—Sept. 4, by G. F. Fisk, comr. P. Wks., Municipal Bldg., college building, vocational school, practice school, gymnasium, president's residence, and tunnels for New York State College for Teachers; adv. E. N.-R. Aug. 23.

N. J., Bordentown—DORMITORY—Aug. 30, by State Bd. Educ., Trenton, 3 story, basement, 65 x 161 ft., brick, steel, plain found., at Industrial School for Colored Youths. $150,000. Guilbert & Betelle, 20 Branford St., Newark, archts.

N. J., Cresskill—SCHOOL—Aug. 29, by Bd. Educ., Public School, Orchard St., 2 story, basement, rein.-con., brick, steel, plain found. $450,000. Noted July 26.

N. J., Little Ferry—SCHOOL—Bd. Educ., Main St., bids about Oct. 1, general contract 2 story, basement, brick, steel, addition, plain found. $150,000. Noted Aug. 9.

N. J., Oradell—HIGH SCHOOL—Sept. 10, by Bd. Educ., Kinderkermack Rd., general contract 3 story, basement, brick, steel, junior high school, plain found., Prospect St., $325,000. Noted July 12.

Pa., Brookline (mail Pittsburgh)—HIGH SCHOOL—Aug. 27, by School Bd., Haverford Twp., E. S. Moore, secy., Junior High School, 2 story, basement, 85 x 145 ft., and 56 x 225 ft., rein.-con., steel, stone, plain found., Boyd, Abel & Gugert, Otis Bldg., Phila., archts.

Pa., Erie—HIGH SCHOOL—Aug. 30, by Bd. Educ., R. S. Scobell, secy., West High School, 2 story, basement, 131 x 389 ft., brick, steel, concrete. $1,500,000. Meyers & Johnson, Commercial Bldg., archts. Noted Sept. 22, 1927.

D. C., Wash.—SCHOOL—Aug. 29, by District Comrs., District Bldg., constructing school, 19th and Columbia Rd. Noted May 10.

N. C., Durham—COLLEGE—Bd. Trustees North Carolina College for Negroes, taking bids 3 story, 60 x 150 ft. brick, stone, incl. administration building, classrooms, library, chemistry, physics and laboratories, etc. Fayetteville St., $150,000.

La., Orleans—SCHOOL—Sept. 14, at office Supervising Architect School Bd., City Hall, building McDonough School 2 and 3, A. J. Tete, secy.

Tenn., Knoxville—LABORATORY—Aug. 30, by T. D. Morris, secy. South College, University of Tennessee, laboratory building, on campus. Barber & McMurry, General Bldg., archts.

O., Akron—SCHOOL—Aug. 31, by Bd. Educ., Central High School Bldg., 2 story, basement, brick, steel, rein.-con. $175,000. M. M. Konarski, c/o owner, archt. Noted June 26.

Mich., Grosse Pointe (br. Detroit) — SCHOOL — Sacred Heart Convent taking bids 3 story, basement, brick, limestone. To exceed $150,000. Maginnis & Walsh, Statler Bldg., Boston, Mass., archts. Noted July 19.

Ill., Carbondale—SCIENCE and MANUAL ARTS—Aug. 28, by Bd. Trustees, State House, Springfield, 2 and 3 story, basement, rein.-con., brick, stone buildings, for Southern Illinois Teachers College. $225,000. W. J. Lindstrom, 568 Transportation Bldg., Chicago, archt. Noted Nov. 17, 1927.

Ill., Jacksonville—LIBRARY and ADMINISTRATION—Sept. 6, by D. B. Hull, archt., 210 East Ohio St., Chicago, 2 story, 90 x 100 ft., brick, stone, for Illinois College. $150,000. Noted Feb. 23.

Ia., Cedar Rapids — GYMNASIUM — Sept. 15, by Coe College c/o H. M. Gage, pres., 2 story, 142 x 200 ft., rein.-con., brick. $250,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., archts.

Tex., Huntsville—LIBRARY—Sept. 1, by M. O. Flowers, Lockhart, chn. Bd. Regents, Texas Teachers College rein.-con., brick, hollow tile library. $200,000. W. E. Ketchum, Pope Bldg., Austin, archt.

Ont., Brantford—SCHOOL—Aug. 31, by A. K. Bunnell, secy. Bd. Educ., 3 story, basement, 75 x 120 ft., concrete, brick, steel, incl. boiler room, machine shop, mechanics shop, physics and chemistry laboratories, Brant Ave. $185,000. F. C. Bodley, Temple Bldg., archt.

Contracts Awarded

Me., Bath—HIGH SCHOOL—Bd. Educ., 2 story, basement, 105 x 155 ft., brick, fireproof, plain found., to N. W. Downing Co., Presque Isle, $198,212. Noted July 19.

Mass., Arlington Heights (br. Boston)—HIGH SCHOOL—Town School Bd. and H. B. S. Prescott, archt., 12 Pearl St., Boston, West Junior High School, 2 story, basement, brick, stone, addition, plain found., to F. B. Locatelli, 46 Cornhill, Boston. Est. $150,000. Noted July 26.

Mass., Auburn—SCHOOLS—Town, F. H. Allen, chn. Bd. Selectmen, two 2 story, basement, brick, stone, plain found., to McDermott Bros., 38 High St., Worcester. Est. $150,000.

Mass., Brighton (sta. Boston) — DIOCESAN — W. C. O'Connell, Roman Catholic Archbishop of Boston, 3 story, basement, brick, steel, limestone, plain found., to Frank Imhoff Co., 164 Dudley St., Roxbury. Est. $500,000.

Mass., Roxbury (sta. Boston)—COMMUNITY HOUSE—Temple Mishkan Tefila, H. A. Rubinwitz, rabbi, Seaver St., 3 story, basement, brick, rein.-con., plain found., to Matthew Cummings Co., 43 Tremont St. To exceed $150,000 or more. Noted June 21.

Mass., Southwick — SCHOOL — Town, School Bd., 2 story, basement, brick, stone, plain found., College Highway to L. D. Phillips Constr. Co., 10 Main St., Westfield. Est. $150,000.

Mass., Worcester—HIGH SCHOOL—City, P. Building Dpt., 3 story, 86 x 180 ft., brick and steel addition, Walnut and Sudbury Sts., to C. T. Rocheford, 16 Norwich St., $366,065, heating and plumbing to Tucker & Rice, $85,174.

Conn., Fairfield—SCHOOL—O. C. S. Ziroli, Post Rd., archt., 2 story, 112 x 170 ft., brick, and stone school, Stratfield Dist., also small school Grassmere Ave., to M. Noonan, 171 Sixth St., Bridgeport for Town. Est. $150,000. Noted May 10.

Conn., Uncasville—CHURCH—Uncasville Methodist Episcopal Church, 1 story, basement, 65 x 121 ft., brick and steel, with 75 ft. steeple, to Peck McWilliams & Co., 47 West Main St., Norwich. Est. $150,000.

Conn., West Haven (br. New Haven)—SCHOOL—Town, Bd. Educ., altering and constructing 1 and 2 story, 75 x 224 ft., brick, steel, cast stone addition, incl. gymnasium and auditorium, to W. Crute, 91 Howe St., New Haven. Est. $175,000. Noted Aug. 2.

N. Y., Glendale (mail Brooklyn) — SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P.S. 119, 78th Ave., to Concord Constr. Co., 476 Seneca Ave., Brooklyn, $531,000; plumbing, to Nally Plumbing Contg. Co., 177 West 97th St., New York, $30,243; heating, to D. J. Rice, Inc., 606 1st Ave., New York, $77,680. Grand total $638,923. Noted June 14.

N. Y., Granville—HIGH SCHOOL—Bd. Educ., W. L. Munson, chn., general contract 2 story, brick high school, to C. P. Boland & Co., 30 4th St., Troy $208,900. Est. $300,000. Noted July 26.

Pa., State College — ENGINEERING — Pennsylvania State College, 3 story, basement, 60 x 175 ft., and 49 x 68 ft., rein.-con., brick, limestone, steel, plain found., to Berkefile Bros., Johnstown. Noted July 12.

Ala., Tuscaloosa—EDUCATIONAL—University of Alabama, 3 story, basement, 95 x 167 ft., brick, steel, rein.-con., plain found., to Skinner Building Co., Tuscaloosa, $220,000.

O., Cleveland—CHURCH and SUNDAY SCHOOL — Bethany English Lutheran Church, J. H. Trout, pastor, 15470 Triskett Rd., 67 x 132 ft., brick, steel, Triskett and Rockport Rds., to F. H. Vogal, Ridge Rd. Est. $150,000.

Mich., Grand Rapids—PARISH HOUSE—East Congregational Church, general contract parish house, Gidding St., to Barnes Bros. Constr. Co., 404 Michigan Trust Bldg. $151,600. Noted July 26.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., general contract elementary school 62nd St. and Hamlin Ave. and school Parker and Long Sts., to Thorgersen & Ericksen Co., 228 North La Salle St., $322,510 and $317,510 respectively.

Ill., Park Ridge — CHURCH — E. A. Nitsche, archt., 28 East Huron St., Chicago, general contract 2 story, L shape, brick, stone, to Schmidt Bros. Constr. Co., 22 East Huron St., Chicago, for St. Lukes English Lutheran Congregation. Est. $150,000. Noted July 5.

Minn., Owatonna—CHURCH and PARSONAGE—St. Joseph's Roman Catholic Church, general contract 2 story, basement, 64 x 164 ft., brick, stone church, and parsonage, plain found., to N. Wagner, Austin, $101,000. Est. $150,000.

Mont., Great Falls—HIGH SCHOOL—School Bd. Dist. 1, Cascade Co., 3 story, rein.-con., stone, steel, terra cotta high school, to Lease & Leigland, Great Falls $625,443. Est. $900,000. Noted July 12.

Ark., Jonesboro—CONVENT and HOSPITAL—Order of St. Benedict c/o St. Bernards Hospital, general contract 4 story, basement, 50 x 135 ft., rein.-con., brick, addition, to C. L. Staley, Memphis, Tenn. $107,000. Noted Aug. 9.

Tex., Port Arthur — HIGH SCHOOL — Bd. Educ., L. B. Abbey, secy., 2 story, brick, stone, rein.-con., to Central Contg. Co., Athletic Club Bldg., Dallas, $443,000; heating to Kinnison Bros., 1201 Lamar St., Dallas, $49,784. Noted July 19.

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Federal Government Work

Proposed Work

Md., Baltimore—DREDGING—U. S. Engineer Office plans dredging in Baltimore harbor and channel.

Va., Norfolk—RIP RAP—U. S. Engineer Office plans rip rap stone for repairing Craney Island bulkhead.

La., New Orleans—WILLOW BRUSH—U. S. Engineer Office, 4th Dist., Mississippi River Comn., New Orleans, 25,000 cords of willow brush and 12,000 willow poles.

Tex., Galveston—THRUST SHAFTS—U. S. Engineer Office plans thrust shafts with nuts for dredge Galveston.

Wash., Sand Point — HANGAR, etc. — Spec. 5660—Bureau Yards & Docks, Navy Dpt., Wash., D. C., plans hangar and railroad track at Naval Air Station.

Ore., Salem — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., cancelled bids to have been opened Aug. 21, U. S. Post Office. Noted July 26.

Calif., Crescent City—BREAKWATER—U. S. Engineer Office, San Francisco, plans breakwater construction.

Bids Desired

N. Y., Buffalo—DREDGING—Sept. 10, by U. S. Engineer Office, dredging and rock excavation in Buffalo Harbor.

N. Y., Governors Island (br. New York) —BARRACKS—Sept. 14, by Constructing Quartermaster, 1 barracks building at Fort Jay; adv. E.N.-R. Aug. 23.

Pa., Pittsburgh — WARDS — Sept. 5, by Treas. Dpt. at office Supervising Archt., Wash., D. C., additional wards at Marine Hospital.

Maryland — DREDGING — Sept. 13, by U. S. Engineer Office, Custom House, dredging in Crisfield and Cambridge Harbors; adv. E. N.-R. Aug. 23. Noted July 12.

D. C., Wash.—GUARD HOUSE—Sept. 4, by Constructing Quartermaster, Main Building, Walter Reed Hospital, constructing guard house, at Walker Reed Hospital.

D. C., Wash.—VENTILATING—Oct. 1, by D. Lynn, archt. of Capitol, ventilation and air conditioning Senate Chamber; adv. E. N.-R. Aug. 23.

Va., Quantico—GENERATING PLANT—Spec. 5602—Sept. 5, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., steam generating plant, water tube boiler, air cooled boiler settings, at U. S. Marine Barracks; adv. E. N.-R. Aug. 23. Noted Aug. 2.

Va., Quantico—BULDINGS—Sept. 5, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., buildings at U. S. Marine Barracks; adv. E.N.-R. Aug. 28. Noted Aug. 9.

Ga., Augusta — GARAGE — Sept. 4, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., addition to garage at U. S. Veterans Hospital.

Ga., Columbus—WATER PIPING—Aug. 30, by Treas. Dpt. at office Supervising Archt., Wash., D. C., water piping at U. S. Post Office.

Fla., Miami Beach—TOP SOIL—Sept. 12, by U. S. Engineer Office, Jacksonville, placing 1,750 cu.yd. on North United States Reservation.

La., New Orleans—FILL—Aug. 27, by U. S. Engineer Office, 4th Mississippi River Comn., hydraulic fill for levee strengthening.

Tenn., Chattanooga — GENERATOR SETS — Sept. 21, by U. S. Engineer Office, 2 diesel engine generating sets, propelling motors, for Diesel-electric towboat; adv. E. N.-R. Aug. 23.

Ind., Terre Haute — ELEVATOR — Aug. 28, by Treas. Dpt. at office Supervising Archt., Wash., D. C., elevator in U. S. Post Office.

Mich., Detroit—HOSPITAL—Sept. 13, by Treas. Dpt. at office Supervising Archt., Wash., D. C., main building and garage; also mechanical equipment for U. S. Marine Hospital.

Ill., Chicago — ROADS — Sept. 11, by Treas. Dpt., at office Supervising Archt., Wash., D. C., walks, roads, etc., at U. S. Marine Hospital.

Ia., Knoxville — GREENHOUSE — Sept. 4, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing Greenhouse at U. S. Veterans Hospital.

Tex., Corsicana—POST OFFICE—Sept. 14, by Treas. Dpt. at office Supervising

Federal Government Work (Continued)

Archt., Wash., D. C., extending, remodeling U. S. Post Office.

Wash., Fort Lewis—BARRACKS—Sept. 5, by Constructing Quartermaster, 1 Combat Engineer Regimental Barrack and 2 Combat Engineer Regimental Battalion Barracks; adv. E.N.-R. Aug. 23.

California — GRADING — Aug. 30, by Natl. Park Service, Dpt. Interior, San Francisco, Camp Houle-Alder Creek Sect. Route 2, Yosemite Natl. Park Hy. System.

California—ROAD—Aug. 30, by Bureau P. Roads, Dpt. Agriculture, San Francisco, grading Fish Camp-Oakhurst Sect. Wayona-Auberry Natl. Forest Hy.

Calif., Riverside—QUARTERS—Sept. 20, at office Constructing Quartermaster, March Field, one set Bachelor Officers Quarters; adv. E. N.-R. Aug. 23.

Bids Received

Miss., Greenwood—REMODELING, etc. —Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 10, remodeling, enlarging post office, from A. Blair, Montgomery, Ala., $37,200. Noted July 12.

Pa., Beaver Falls — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, from H. V. Kirker Co., Beaver Falls, $14,325. Noted July 26.

Ind., Hammond — REMODELING — Treas. Dpt. at office Supervising Archt., Wash., D. C., court house and post office, from W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $139,446. Noted July 19.

Michigan—DREDGING—U. S. Engineer Office, Detroit, Aug. 6, from Duluth Superior Dredging Co., foot 45th Ave., Duluth, Minn., dredging 834,500 cu.yd. Course 7, Middle Neebish Channel, St. Mary's River, at $0.245 per cu.yd.; 1,343,000 cu.yd. widening Course 5 $181,305. Noted July 12.

Mich., Wyandotte — FOUNDATIONS — Treas. Dpt. at office Supervising Archt., Wash., D. C., for U. S. Post Office, to A. M. Lundberg, Federal Reserve Bank Bldg., St. Louis, Mo., $21,200. Noted Aug. 9.

S. D., Mitchell — EXTENSION — Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 17, extending, remodeling U. S. Post Office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $43,900. Noted July 26.

Calif., Riverside—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to R. H. Spurgeon, Riverside, $19,236. Noted Aug. 8.

Contracts Awarded

N. J., New Brunswick—REMODELING —Treas. Dpt. at office Supervising Archt., Wash., D. C., enlarging post office, to J. P. Foley & Sons, 814 Little Bldg., Boston, Mass., $24,621. Noted Aug. 9.

Pa., Sharpsburg — ELEVATOR MACHINE—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., elevator machine in infirmary building, U. S. Veterans Hospital, Aspinwall to Westbrook Elevator Co., Danville, Va., $3,500. Noted July 12.

La., Carville—ENGINE GENERATOR—Treas. Dpt. at office Supervising Archt., Wash., D. C., engine generator at Lepers Home, to R. Morton, Equitable Bldg., Baltimore, Md., $15,750. Noted July 26.

Kan., Newton — REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Post Office, to W. D. Lovell, 1415 8th St. S. E., Minneapolis, Minn., $19,967. Noted July 12.

Wash., Fort Lewis—QUARTERS—Constructing Quartermaster, 6 company officers quarters to E. Anderson, Tacoma, $67,200; 5 non-commissioned officers quarters to Tumwater Lumber Mill Co., Olympia, $29,842. Noted Aug. 9.

Unclassified

Proposed Work

PLAYGROUND—**Charlestown** (sta. Boston), **Mass.**—City of Boston, Park Dpt., 33 Beacon St., Boston, plans improving Berry Playground. $45,000 appropriated. W. P. Long, chn.

PLAYGROUND — **Dorchester** (sta. Boston), **Mass.**—City, Park Dpt., 33 Beacon St., Boston, playground. $75,000 appropriated. W. P. Long, chn.

AIRPORT—**East Greenwich, R. I.**—Gaco Corp., J. F. Riley, mgr., plans airport. $25,000 or more. Private plans.

COMFORT STATION — **Rockaway Park** (Ind. sta. Far Rockaway), **N. Y.** — Dpt. Parks, Forest Park, Richmond Hill, plans by G. V. Grand, c/o owner, 40 x 65 ft. comfort station, 116th St. and Trenton Ave. $50,000.

DOCKS and TERMINAL—**Arabi, La.**—A. P. Perrin, granted franchise construction docks, terminals in front of Scardale Plantation along Mississippi River, 11 mi. below N. O. east bank of Mississippi River. Engineer not selected.

GRADE CROSSING ELIMINATION — **Cleveland, O.** — New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Terminal Tower Bldg., soon takes b.ds steel superstructure 13 overhead grade crossing elimination, steel.

SWIMMING POOL—**Cleveland, O.**—City, plans rein.-con., swimming pool West 135th St. and Lorain Ave., $50,000. T. Joyce, City Hall, engr.

SILO—**Chicago, Ill.**—Wisconsin Lime & Cement Co., Conway Bldg., 6 story, 58 x 168 ft., concrete storage silo, 1070-90 North Branch St. $95,000. Russell Eng. Co., 513 West Jackson Blvd., engrs.

AIRPORT — **East St. Louis, Ill.** — St. Louis Air Transport & Terminal Co., c/o M. C. Steinberg & Co., Boatmens Bank Bldg., St. Louis, Mo., preliminary plans airport on 540 acre tract on Illinois State Hy. 3, incl. 5 hard-surfaced runways, one 7,600 ft., two 5,400 ft., and two 4,800 ft. long, 3 hangars, administration building, shops, power house, meteorological station, fire control station. $1,000,000. P. R. Love & T. P. Sultan, 6625 Delmar Blvd., St. Louis, Mo., engrs.

BOILER and HEATER—**Chillicothe, Mo.** —Water tube boiler and feed water heater, each 1500 hp., for boiler plant. A. E. Harper, 4010 Penna St., Kansas City, engr.

GAS SYSTEM—**Corpus Christi, Tex.**—See "Waterworks."

HANGAR — **Oakland, Calif.** — City of Oakland Port Comm. Oakland Bank Bldg., plans 300 ft. long 120 ft. span-steel, hangar. Private plans.

GRAIN ELEVATOR—**St. John, N. B.**—Maple Leaf Milling Co., Dominion Bank Bldg., Toronto, A. R. McDonald, mgr., grain elevator and milling plant, here. $750,000.

AERIAL BASE — **Quebec, Que.** — Canadian Transcontinental Airways Co., plans aerial base at Wolfes Cove. $140,000.

AIR PORT—**Hamilton, Ont.**—City Council, civic air port. $250,000.

GRAVEL HANDLING PLANT — **Hilton Beach, Ont.** — P. Hayworth, Bruce Mines, gravel handling washing and loading plant, also electric power plant. $350,000.

Bids Desired

GRANITE FACINGS, etc.—**New York and New Jersey**—Sept. 4, by New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., New York Administration Bldg., New York, granite facing open cut portions and portals entrances and exits Holland Tunnel, etc., Contrs. 15 and 16; adv. E. N.-R. Aug. 23.

DOCK WALL—**Albany, N. Y.**—Aug. 31, at office Albany Port Dist. Comn., concrete, block dock wall, Contr. 13. A. G. Chapman, ch. engr.; adv. E. N.-R. Aug. 23.

HANGARS, etc.—**Buffalo, N. Y.**—Sept. 4, by G. Fisk, comr. P. Wks., Municipal Bldg., two 1 story, 100 x 160 ft., and 80 x 80 ft., brick, steel hangars, central heating plant and gas storage house at Airport, Genesee St. and Cayuga Rd. $55,000. H. Beck, 374 Delaware Ave., city archt.

STEEL WORK, etc.—**Comstock, N. Y.**—Aug. 28, by Commissioner Correction, 11 North Pearl St., Albany, structural steel and bar guards, for extension to Mess Hall, Great Meadow Prison; adv. E. N.-R. Aug. 23.

ELECTRICAL WORK — **Kings Park, N. Y.**—Sept. 19, by Commissioner Mental Hygiene, Albany, electrical work, rewiring Buildings B, C and D, Kings Park State Hospital; adv. E. N.-R. Aug. 23.

SUBWAY—**Long Island City, N. Y.**—Sept. 7, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 1, Route 108, Rapid Transit R.R. along and under Jackson Ave. and Northern Blvd.

EXIT FACILITIES—**Middletown, N. Y.** —Sept. 5, by Commissioner Mental Hygiene, Capitol, Albany, exit facilities, fire stops at Middletown State Homeopathic Hospital; adv. E. N.-R. Aug. 23.

GATE SYSTEMS — **Napanoch, N. Y.** — Sept. 6, by Commissioner Dpt. Correction, 11 Pearl St., Albany, gate systems, at Institution for Defective Delinquents; adv. E. N.-R. Aug. 23.

REPLACING ROOF—**Napanoch, N. Y.**— Sept. 6, by Commissioner Dpt. Correction, Albany, replacing roof main building, Institution for Defective Delinquents; adv. E. N.-R. Aug. 23.

FERRY BOATS—**New York, N. Y.**— Aug. 29, by Dpt. Mental Hygiene, Albany, N. Y., 2 double end steel Diesel electric ferryboats for Manhattan State Hospital, Wards Island; adv. E. N.-R. Aug. 23. Noted Aug. 9.

FERRY BOAT MACHINERY — **New York, N. Y.** — Sept. 12, by Dpt. Mental Hygiene, Capitol, Albany, machinery for 2 double end steel diesel electric ferry boats for Manhattan State Hospital, Wards Island; adv. E. N.-R. Aug. 23.

TRACKS, etc.—**New York, N. Y.**—Aug. 31, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks and contact rail for part Rapid Transit R.R.

FIRE SPRINKLERS — **Poughkeepsie, N. Y.**—Sept. 19, by Commissioner Mental Hygiene, Capitol, Albany, covering automatic fire sprinklers, Hudson River State Hospital; adv. E. N.-R. Aug. 23.

NATATORIUM—**Elizabeth, N. J.**—Aug. 27, by Bd. Pub. Wks., City Hall, erection and equipping for natatorium. $50,000. T. Collins, City Hall, engr.

GRADE SEPARATION—**Ohio**—Aug. 31, by H. J. Kirk, dir. Hys., Columbus, grade separation in Athens, Montgomery, Richland, Delaware and Tuscarawas Counties. Engr. est. $320,000.

TRANSFORMER CORES—**Chicago, Ill.** —Sept. 6, by M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., 22 transformer cores, winding and water coil, f.o.b. cars Lockport. T. J. Crowe, pres.; adv. E. N.-R. Aug. 23.

F. G. W.

GRADE SEPARATION—**Wisconsin and Michigan**—See "Bridges."

PUMPING EQUIPMENT—**Dallas, Tex.** —Sept. 7, at office M. G. James, city secy., pumping equipment at Bachman's Dam. J. B. Winder, ch. engr. Water Dpt.; adv. E. N.-R. Aug. 23.

FERRY LANDINGS—**Galveston, Tex.**— Sept. 4, by J. M. Murch, aud. Galveston Co., 2 ferry landings, one at 9th St., incl. 6,600 cu.yd. earth excav., 46,470 lb. structural steel, other at Port Bolivar, 50,000 cu.yd. earth excav. 46,476 lb. structural steel. C. Washington, Galveston, co. engr.

WEIR—**Hub** (mail Hardwick), **Calif.**— Aug. 31, by B. L. Scutt, secy. Laguna Irrigation Dist., rein.-con. weir, 285 cu.yd. rein.-con.

Contracts Awarded

OVERHEAD CROSSING — **Wisconsin**— State Hy. Comn., Milwaukee, Blue Mounds Overhead, Project 268-A, to Kroening Constr. Co., 5th and Windlake Aves., Milwaukee, $58,499. Noted Aug. 9 under "Streets and Roads."

DOCK and BREAKWATER — **Kenosha, Wis.**—Concrete dock and breakwater, to G. A. Green, 1000 South Jackson St., Green Bay $41,015.

LIGHTING SYSTEM — **Los Angeles, Calif.**—Bd. Pub. Wks., ornamental street lighting system in San Pedro, Wilshire Blvd., and Beverly Blvd., to Newbery Electric Corp., 726 South Olive St., Los Angeles, $52,799. Noted July 26.

GRAIN ELEVATOR—**Collingwood, Ont.** —Collingwood Terminals, Ltd., rein.-con. grain elevator, to E. G. M. Cape & Co., 10 Cathcart St., Montreal, Que. Est. $800,000.

Materials

Bids Desired

MINERAL AGGREGATE, etc. — **Long Island City, N. Y.** — Aug. 30, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 500 cu.yd. mineral aggregate; 50,000 gal. asphaltic macadam binder, in tank cars alongside Asphalt Plant 3, Knights Siding, Glendale.

PORTLAND CEMENT — **New York, N. Y.** — Aug. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 15,000 bags portland cement; 2,000 cu.yd. concrete and paving sand.

PILING—**Minneapolis, Minn.**—Aug. 27, by F. S. Gram, city purch. agt., one thousand 20- to 30-ft. lengths piling for Dpt. Sewers. N. W. Elsberg, city engr.

PIPE—**Santa Ana, Calif.**—F. L. Vegely, city clk., taking bids 688 ft. 16 in., 3,584 ft. 12 in., 578 ft. 10 in., 816 ft. 8 in. 4,302 ft. 6 in., 600 ft. each 2 and 4 in. c.i. pipe.

BELL and SPIGOT PIPE—**El Centro, Calif.**—Sept. 5, by J. C. Neale, city clk., 5,000 ft. 4 in. Class "B" bell and spigot c.i. pipe in 12 or 16 lengths.

See proposal advertising on page 111

Constr. News page 109

UNIT PRICES

Dam—Albany, N. Y.

Twenty-two bids were opened by Board of Water Supply, 101 State St., Apr. 17, diversion dam in Basic Creek, Westerlo, difference between low and average, 27 per cent. Engineer's Estimate, lowest three and highest bids are given below. Bidders are: (A) Engineer's Estimate; (B) H. J. Dumary, 119 State St., (awarded contract); (C) S. B. Easton, Albany; (D) Law Brothers Co., Herkimer; (E) A. J. Johnson Corp., Long Island City. Whitman, Requardt & Smith, 11 North Pearl St., Albany, engineers. Robert E. Horton, Voorheesville, consulting engineer.

	A	B	C	D	E
Clearing (lump sum)	$1,450.00	$4,000.00	$7,000.00	$4,000.00	$6,300.00
3,940 cu.yd. stripping excavation	1.50	1.00	.60	.90	1.85
14,000 cu.yd. gen. earth excavation	1.25	.65	.60	.90	1.26
1,100 cu.yd. trench excavation, 0 to 10 ft	2.00	1.50	2.00	1.50	5.60
110 cu.yd. trench excavation, 10 to 15 ft	3.00	3.50	3.00	5.00	10.50
100 cu.yd. trench excavation, over 15 ft	4.50	5.00	5.00	6.00	22.50
700 cu.yd. general rock excavation	4.00	4.00	6.00	4.50	7.50
125 cu.yd. rock excavation, no blasting	8.00	8.00	10.00	8.00	22.50
40,000 cu.yd. embankment	1.05	.65	.70	.60	1.15
6,500 sq.yd. top soil, etc.	.60	.10	.50	.30	.48
3,150 cu.yd. slope paving	7.00	2.50	3.00	3.70	5.20
600 bags grouting of paving	1.20	1.25	1.25	1.50	1.95
8,700 sq.ft. sheet piling	2.00	1.80	1.50	1.00	1.25
4,320 cu.yd. concrete, heavy sect	14.00	11.00	13.00	14.50	18.25
1,350 cu.yd. concrete, moderate sect	16.00	12.50	16.00	16.00	25.00
55 cu.yd. concrete, light sect	25.00	25.00	30.00	20.00	27.00
45,000 sq.ft. concrete protection	.03	.035	.05	.08	.045
102,000 lb. reinforced steel	.06	.04	.06	.06	.09
Sluice gates (lump sum)	1,505.00	1,050.00	1,500.00	2,300.00	2,100.00
Miscellaneous iron (lump sum)	2,700.00	1,925.00	3,000.00	2,500.00	2,700.00
Gate house (lump sum)	1,200.00	800.00	1,500.00	4,000.00	3,750.00
20 M. ft. b.m. lumber in place	60.00	45.00	80.00	90.00	0.01
Totals	$215,340	$150,410	$176,124	$179,961	$260,492

Engineering News-Record, Issue of August 23, 1928.

Filter Plant and Pumping Station—Kenilworth, Ill.

Village opened bids Jan. 16 for filter plant and pumping station on lake front. Plant will be built against low bluffs 25 ft. high. Most difficult part of work is excavation in bluff and construction of retaining walls in front of bluff. Roof of building will constitute promenade deck architecturally treated, which is reached by few steps from street and affords good view of lake shore. Building space also provides for bath house, including lockers and showers, as beach near water-works is used for bathing. Bidders are: (A) Bierd, Lydon & Grandpre, La Salle St. and Wacker Drive, Chicago, (awarded contract); (B) M. L. Miller & Co., North Chicago; (C) Priester Construction Co., Davenport, Ia.; (D) Sumner-Sollit Co., Chicago; (E) Hoeffer & Co., Chicago. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engineers.

	A	B	C	D	E
1,500 cu.yd. earth excav.	$2.00	$1.50	$1.89	$2.90	$1.75
5 cu.yd. rock excav. (lump sum)	25.00	25.00	25.00	25.00	25.00
115,000 lb. reinf. steel	.05	.046	.048	.05	.05
200 cu.yd. conc. Class A (floors)	12.50	12.00	14.60	17.50	16.00
575 cu.yd. conc. Class A (walls and beams)	25.35	24.00	26.20	26.00	25.00
10 cu.yd. conc. Class B	11.00	11.00	13.00	16.00	12.00
12,000 lb. structural steel and iron	.11	.10	.06½	.07½	.06
2,000 lb. miscellaneous iron castings	.14	.10	.09½	.13	.09
500 sq.ft. floor grating	1.10	1.15	1.14	1.06	1.10
Superstructure (Alternate A, lump sum)	17,088.00	20,770.00	21,625.00	21,000.00	23,670.00
Superstructure (Alternate B, lump sum)	21,000.00	24,400.00	25,328.00	25,000.00	26,000.00
8 in. sewer connection (lump sum)	2,000.00	1,450.00	2,067.00	2,700.00	3,654.00
Removing existing structure (lump sum)	500.00	250.00	800.00	350.00	500.00
Maintenance of pumping service (lump sum)	650.00	1,000.00	850.00	1,700.00	1,800.00
5,000 ft. b.m. sheeting left in place	50.00	50.00	50.00	40.00	25.00
5,000 ft. b.m. plank foundation	40.00	50.00	50.00	80.00	70.00
Totals (Alternate A)	$48,799	$49,820	$53,877	$56,745	$57,644
Totals (Alternate B)	52,711	53,450	57,580	60,745	59,974

Engineering News-Record, Issue of August 23, 1928.

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Roads, Kansas City, Mo., City defeated bond election, $5,500,000.

Paper mill, Halifax, N. S., Mersey Paper Co., Ltd., plans, $5,000,000.

Irrigation and drainage system, etc., San Juan, Tex., Pharr-San Juan-Alamo Irrigation Dist. of Hidalgo County, voted bonds, $3,000,000.

Hotel, store and bus terminal, Hamilton, Ont., Royal Hotel & Terminal, plans, $3,000,000.

Office, New York, N. Y., Two Hundred Seventy Broadway Co., take bids late in October, $2,500,000.

Sewers and extensions, Knoxville, Tenn., voted bonds, $2,000,000.

Gymnasium, church, school and laundry, New York, N. Y., Vinross Realties, Inc., plans, $2,000,000.

Roads, Gainesville, Tex., Cooke County, election latter part of August, $2,000,000.

Warehouse, Walkerville, Ont., International Terminals Ltd., Windsor, plans, $2,000,000.

Electric power plant, New York, N. Y., New York Edison Co., plans, $1,850,000.

Hotel, Newark, N. J., Bowman Biltmore Hotel Corp., c/o Hotel Development Service, New York, N. Y., sketches, $1,500,000.

Medical office, Jersey City, N. J., Syndicate, c/o W. Freile, plans, $1,500,000.

Hotel, New York, N. Y., West 49th Street Constr. Corp., plans, $1,250,000.

Sewage disposal plant, San Antonio, Tex., preliminary plans, $1,250,000.

Seminary, New York, N. Y., Jewish Theological Seminary of America, plans, $1,200,000.

Apartment, New York, N. Y., Three Hundred Two East 79th Street Corp., plans, $1,000,000.

Factory, Chicago, Ill., Francisco & Jacobson, archts., New York, N. Y., take bids late in September for Container Corp., Chicago, Ill., $1,000,000.

Medical building, East Orange, N. J., Aetna Realty Co., plans, $1,000,000.

Bids Desired

Science building, Berkeley, Calif., Regents of University, taking bids, $2,000,000.

Apartment hotel, New York, N. Y., Sailors Snug Harbor, taking bids, $1,000,000.

Law school, Brooklyn, N. Y., St. Johns College, bids about Sept. 1, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 115.

Bank and office, Ann Arbor, Mich., Pond & Pond, Martin & Lloyd, archts., Chicago, Ill., bids about Sept. 3; for Ann Arbor Savings Bank, $1,000,000.

Office, Toronto, Ont., Sept. 1 by F. H. Wilkes, archt., for Canada Permanent Mortgage Corp., $1,000,000.

Bids Received

Subway, New York, N. Y., Bd. of Transportation, from La Rocca Constr. Co., $5,922,000.

Contracts Awarded

Gas line, Texas and Oklahoma, Consolidated Gas Utilities Co., Amarillo, Tex., to Williams Bros., Inc., $4,500,000.

Apartment, Chicago, Ill., Syndicate, c/o E. A. Clear & Co. to American Building Constr. Co., $3,000,000.

Straightening river, Chicago, Ill., to Great Lakes Dredge & Dock Co., $2,773,930.

Apartments, Two, New York, N. Y., S. Ageloff, Brooklyn, N. Y., to Fredburn Constr. Co., $2,500,000.

Office, New York, N. Y., G. L. Ohrstrom to G. A. Fuller Co., $2,000,000.

Pulp and paper mill, Richville, Calif., Pacific Coast Pulp & Paper Co. to T. B. Hunt, Sacramento, $1,000,000.

Hotel, Toronto, Ont., Canadian Pacific Ry., Montreal, Que., to Angelin-Norcross, Toronto, Ont., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Miss., Decatur—See "Sewers."

Tex., Beaumont—Peoples Light & Power Corp., E. C. Deal, pres., 27 Williams St., New York, purchased Neches Water Co. property, and plans improving same, extending distribution system. Private plans.

Calif., Pasadena—Plans increasing capacity of city reservoir, $40,000, drill additional wells, $25,000. S. B. Morris, City Hall, engr.

Ont., Toronto—York Twp. Council, plans metering water services, 4,800 additional meters. $50,000. F. B. Goedike, 40 Jarves St., engr.

Ont., Port Colborne—See "Sewers."

Bids Desired

Massachusetts — Sept. 4, by Dpt. P. Health, pipe lines, valves, hydrants, pumping equipment and pump houses, for water supply extensions at State Sanatoriums in Rutland, Pondville and North Reading.

New York—Sept. 25, by Bd. Water Supply, Municipal Bldg., New York, 105,000 lin.ft. portion City Tunnel 2, Contrs. 224, 225, 226 and 227. B. F. Einbigler, secy.; adv. E. N.-R. Aug. 30.

N. Y., Brooklyn—Sept. 4, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Mackey Pl., Avenues B, P, V, W and X, Gardner, Grand and Ocean View Aves., Cherry, Columbia, Hoff, Humbert, Nathan, Ripple, 8th, 9th, 70th Sts.

N. Y., Brooklyn—Sept. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford Ave. and Bergen St.

Fla., Bonifay—See "Sewers."

Fla., Miami—Sept. 3 (extended date), by City, water plant addition in Hialeah. Noted Aug. 23.

La., Plain Dealing—Sept. 11, by Mayor, 6 in. water well, 50,000 gal. steel tank and tower, 125,000 gal. reservoir, 33,940 lin.ft. 2- to 8-in. pipe, two 500 g.p.m. motor driven fire pumps and 1 motor driven compressor. Swanson-McGraw, Balter Bldg., New Orleans, engr. Noted July 12.

La., Sulphur — Sept. 11, by Mayor and Bd. Aldermen, waterworks. $60,000. L. J. Voorhies, Baton Rouge, engr. Noted Aug. 9.

Mich., Detroit — Sept. 6, by Bd. Water Comrs., 176 East Jefferson Ave., 6 m.g.p.d. electric motor driven centrifugal pump with auxiliary equipment, for Northern Yard. G. H. Fenkell, ch. engr.

Mich., Detroit—Sept. 12, by J. N. Reid, comr. P. Wks., Lonyo Road Pumping Station Unit, vertical motor driven centrifugal pumping unit with 20 in. suction and 20 in. discharge nozzle, 9,000 g.p.m. capacity, at 38 ft. head, piping, valves, electrical equipment, air compressor unit. P. A. Fellows, City Hall, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mo., St. Louis—Sept. 25, by Bd. P. Serv., City Hall, valves, fittings, piping, filters, tanks and pumps, for 2 gravity oiling systems $13,000; ornamental iron railing in filter plant $7,000, both at Missouri River Waterworks Sta.; grading, concrete paving Fairview Ave. between Gustine St. and Russell Pl., $4,920. L. Day, City Hall, comr.

Ark., Rison—See "Contracts Awarded."

Tex., Junction—Sept. 4, by City, c/o E. Holekamp, mayor, waterworks, 100,000 gal. steel tank, c.i. mains, hydrants, etc. Municipal Eng. Co., Athletic Bldg., Dallas, engrs. Noted Feb. 9.

Wash., Edmonds — W. T. Batcheller, engr., Dexter Horton Bldg., Seattle, bids about Sept. 13, 500,000 gal. steel stand pipe, 48,000 ft. 4- to 12-in. c.i. mains, 3 motor driven deep well turbine pumps, for City. $150,000. Noted July 5.

Calif., Murphy—Sept. 6, by Bret Harte Sanatorium Hospital Central Com., Courthouse, Stockton, 200,000 gal. rein.-con. tank. F. E. Smith, Courthouse, Stockton, engr.

Contracts Awarded

Mass., Framington—Straightening, widening, deepening Beaver Dam Brook, to C. Campbell 4 East 12th St., New York. Est. $20,000. Noted Mar. 15.

Md., Baltimore—Bd. Awards, c.i. pipe, fittings to Bureau Water Supply, to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $139,384. Noted Aug. 9.

Ill., Chicago — City at office Bd. Local Impvts., City Hall, water service pipes in North Artesian, Indiana, Nottingham, North Keating, Lemont and South Kilpatrick Aves., to Washington Plumbing & Heating Co., 461 North Halsted St.; Melrose St. and Romensky Ave., to Reliance Plumbing & Heating Co., 2430 West Van Buren St.; North McVickers, North Winchester, North Keating, North Kilpatrick, Kingsdale, Kirby and Krebs Aves., to P. J. Collins Co., 5521 Bway.; Matson, Miami and Marmora Aves., to G. D. Hardin, 3130 Indiana Ave.; West 82nd Pl., West 82nd St., South Sawyer, South Spaulding, Turner and South Homan Aves., to Walsh & Metzger, Inc., 6828 South Chicago Ave.

Ill., Niles Center—Water stubs, to H. Hardin, 3139 Indiana Ave., Chicago, $70,-478; 6- to 12-in. c.i. mains, to Pastoret-Dorsey-Barrett Co., Dolton, $93,517.

Ill., Wilmette—Waterworks improvements, incl. 400,000 gal. steel tank, to Chicago Bridge & Iron Co., 37 West Van Burean St., Chicago, $20,400; one 500 and one 1,500 g.p.m. centrifugal motor driven pumps, to Allis-Chalmers Co., West Allis St., Milwaukee, Wis., $2,900. Noted May 24.

Wis., Wauwatosa — To Ribbens Bros., 2415 Richards St., Milwaukee, c.i. mains in Ridge Court $1,155, State St. $2,812, Vernon Ave. $5,100, Hayes Ave. $4,900, Berwyn Ave. $1,225, 14th Ave. $2,328—to Wenzel & Henoch, 498 7th St., Milwaukee, Gilbert Ave. $620. Grand total $18,153.

See proposal advertising on page 111

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Ark., Rison—Arkansas Power & Light Co., Pine Bluff, 50,000 gal. tank on tower, 300 g.p.m. deep well pump, 100 ft. 6 in. pipe, own forces. C. C. Lynch, c/o owner, ch. engr.

Ont., Swastika—Town Council, waterworks system, c.i. mains, valves, hydrants, electric centrifugal pumps, pumphouse, etc., to McNamara Constr. Co., 53 Yonge St., Toronto, $31,675.

Sewers

Proposed Work

N. J., Cranford — Twp. Com., Township Hall, preliminary plans storm sewer in Madison Ave. and Lincoln Terrace. $27,000. J. Collins, twp. engr.

N. J., South River—Bd. Boro Council, Boro Hall, preliminary plans sewage disposal plant. $150,000. S. Van Ness, boro engr.

N. J., South River—Bd. Boro Council, Boro Hall, preliminary plans storm sewers in Jackson, Main and Washington Sts. $50,000. S. Van Ness, boro engr.

Tex., Corpus Christi—J. T. Wright, city secy., soon takes bids storm sewers. $40,000. H. Levinson, city engr.

Tex., San Antonio—Preliminary plans sewage disposal plant. $1,250,000. S. W. Freese & J. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engrs. Noted June 7.

Ont., Palmerston — Soon takes bids 3 mi. 8 in. and up vitr. tile sewers. $40,000. F. W. Thorold, 54 Admiral Rd., Toronto, engr.

Ont., Port Colborne—Soon takes bids sewage disposal plant, pumping stations, waterworks. $500,000. Wynne Roberts Son & MacLean, Metropolitan Bldg., Toronto, engrs.

Bids Desired

Mass., Boston—Aug. 31, by Dpt. P. Wks., sewerage works in Dorchester, West Roxbury and Boston proper. $25,000 or more. J. H. Sullivan, comr.

N. Y., Brooklyn—Sept. 6, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in Shore Blvd., Neptune Ave. and East 8th St.

N. Y., New York—Sept. 5, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Johnson and Laconia Aves.

N. J., Red Bank — Sept. 17, by Boro Council, Boro Hall, sewage treatment plant, trunk sewer. H. B. Cleveland, 225 Bway., New York, consult. sanitary engr. G. K. Allen, 60 Broad St., boro engr.; adv. E. N.-R. Aug. 30. Noted Apr. 5.

N. J., Saddle River—Aug. 31, by Twp. Comn., Lincoln School, Market St., sanitary sewerage system in Roseville Dist. $97,000. A. Noack, 236 Main St., Hackensack, twp. engr. Noted July 26.

Md., Baltimore—Sept. 5, by Bd. Awards, sewers, storm drains in Sewer Dists. J-4 and G-13, Sanitary Contr. 252. M. J. Ruark, sewerage engr.

Fla., Bonifay—Sept. 4, by K. G. Rooks, city clk., 29,095 lin.ft. 8- to 12-in. concrete or vitr. sewers; 18,185 lin.ft. 6 in. c.i. mains.

Miss., Newton—Sept. 4, by Mayor and Bd. Aldermen, sewer line, disposal plant. P. A. O'Brien, 411 Edwards Hotel Bldg., Jackson, engr. Noted June 14.

La., Plain Dealing—Sept. 11, by Mayor, 35,815 lin.ft. 8- to 12-in. vitr. sewer, sewage disposal plant. Swanson & McGraw, Inc., Balter Bldg., New Orleans, engr. Noted July 12 under "Waterworks."

Ind., Anderson—Sept. 4, by Bd. Wks., sewer in Collingwood Dist. $27,000. M. H. Downey, City Hall, engr.

Wis., Fennimore — Sept. 3, by Bd. P. Wks., sewage disposal plant, 5,000 ft. 8 and 10 in. sewers. F. J. Davy, La Crosse, engr. Noted Aug. 9.

Wis., Milwaukee—Sept. 6, by Metropolitan Sewerage Comn., R. Cramer, ch. engr., 508 Market St., 7,839 ft. special concrete sewer in Janesville Plank Rd. between 39th and Howard Aves. $185,000.

Kan., Wichita—Sept. 4, by C. C. Ellis, city clk., City Hall, 8,180 ft. 5, 5½ and 6 ft. circular or square box sewer, 2,400 ft. 24 in. sewers, 19 manholes, 50 inlets, 1,500 ft. walk, 2,000 ft. gutter, along right-of-way Atchison, Topeka & Santa Fe R.R., Meridian to Arkansas River. P. L. Brockway, engr.

N. D., Fargo—Sept. 5, by A. R. Watkins, city aud., sewer in 7th St. S. and across Island Park. W. P. Tarbell, city engr.

Calif., San Francisco—See "Streets and Roads."

Contracts Awarded

Mass., Boston — Metropolitan Comn., 1 Ashburton Pl., Sect. 109, Mystic Valley Sewer, in Medford, to V. Grande, 100 Academy Hill Rd., Brighton, $141,560.

N. Y., Buffalo — Concrete overflow drain in Cornelius Creek between Tonawanda and Niagara Sts., to Schaaf Co., 2159 Bailey Ave., $65,670.

N. J., Belleville (br. Newark) — Bd. Town Comrs., Town Hall, sanitary sewers in Delia Terrace, Passaic Ave., Irving, Center, Charles, Hill and May Sts., to Louis Constr. Co., 270 Orange St., Newark, on unit basis.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Survey, main sewer in Bouvier St., to P. Pinciotti, 4103 Roosevelt Blvd., $121,610; 30th St., to M. J. Driscoll, 106 Apsley St., $27,264; open storm channel and appurtenant work through Government property and in county line between Darby and Church Creeks, to Trieste & Earle, Inc., Real Estate Trust Bldg., $144,220. Grand total $293,094.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, to A. Di Sandro & Son, 6400 North 5th St., branch sewer in Bingham St. $12,362, Comly St. $8,520, Longshore St. $15,185; to J. Ciccone, 5732 Westminster St., Bingham St. $1,475; to Leva Bros., 104 West Gale St., Carver St. $4,732, Cheltenham Ave. $5,107, M St. $9,869; to E. Ventresco, 6016 Ross St., Champlost Ave. $2,309; to O'Neill Co., 127 East Mermaid St., D St. $10,926; to Perna & Mattia, 310 North 65th St. (Loughlin St.) Glenview St. $11,376; to J. Moss, 1652 Wakeling St., Greeby St. $7,846; to Amidio Carrado, 5920 Magnolia St., J St. $4,392; to Mazzola & Marano, 739 South 7th St., Tulip St. $19,657. Grand total $103,756. Noted Aug. 2.

D. C., Wash. — District Comrs., District Bldg., to W. F. Brenizer Co., 101 New York Ave. N. E., sewers in Rittenhouse St. $7,543, in Newton St. $14,574, Michigan Ave. $14,927; to A. McCandlish Co., Inc., service sewer in Military Rd. $2,302; to Adams & Marino, 4th and Oglethorpe Sts., sewer in vicinity 37th St. and Reservoir Rd. $36,650, Rittenhouse trunk sewer $52,121; to M. Cain Co., Inc., 13 6th St. N. E., Soapstone Valley Storm Sewer $8,715, Garfield St. $16,741 at 18th St. and Blagden Terrace $1,773. Grand total $155,346. Noted July 19.

Miss., Vicksburg — See "Streets and Roads."

O., Dayton—Concrete sewers in old M. & E. canal from 6th St. to Apple St., to A. B. Agnew, 402 Edgewood Ave., Dayton, $30,000.

O., Euclid (br. Cleveland) — Storm and sanitary sewers in Hillandale Subdivision, to Tavemditti & Spino, 20313 Westport Ave., Cleveland, $32,348.

O., Mayfield (br. Cleveland) — Sanitary sewers, to A. Marra Co., Union Trust Bldg., Cleveland, $32,868.

Ill., Chicago—City, at office Bd. Local Impvts., City Hall, tile sewers with brick maholes, catch basins in West 59th St., Knox and South La Trobe Aves., to Mancini & Ventrella; West 92nd and West 93rd Places, West 83rd and 94th Sts., to A. Ranieri, 4901 Altgeld St.; Aberdeen, South Carpenter and South May Sts., to M. Pontarreli, 4848 Dakin St.; East 86th Pl., West 86th and 89th Sts., to L. Scully, 4451 Nevada St.; West 54th St., South Kilpatrick and South Keating Aves., to F. Peyrot, 4309 North Mason Ave.; South Kenneth Ave., to O. Scully, 7658 Loflin St.; South Kilbourn Ave., to C. Fosno, 908 South Irving St.; South Kolmar Ave., to J. Tirtilli, 732 South Ashland Ave.; drains in West 69th and 70th Places, West 69th, 70th, 71st and Melrose Sts., Belmont and Nottingham Aves., to N. Ranieri, 5036 Montana St.; West 99th, 100th, 101st and 102nd Places, West 80th, 99th, 100th, 101st, 102nd, Holbrook, North Robey and Igiitus Sts., North Winchester, North Harding, North Springfield, North Avers, Neva, Nixon, Schreiber and Princeton Aves., to M. Di Vito, 2284 Campbell Park; North Melvina, North Nashville and South Robey Sts., to A. Sculley, 4504 Wrightwood Ave.; Merrill, Clyde and Chappell Aves., to M. Murphey, 5753 South Peoria St.

Ill., Chicago—See "Streets and Roads."

Ill., Niles Center—Sewer stubs, to Blue Island Constr. Co., 6749 Oconto Ave., Chicago, $40,253.

Minn., Morris—F. E. Ware, city mgr., 6,443 ft. 15 in. vitr. sewers to Burdick & Beverly, Breckenridge $8,277; treatment plant, to Weighton Constr. Co., Audubon, Ia. $10,791. Noted July 26.

Mo., St. Louis—Bd. P. Serv., City Hall, Maline Creek Dist. 1, to Grant & Meinert, Fullerton Bldg., $36,691; South Gravois Dist. 5, to Riley Contg. Co., 110 North 7th St., $8,060. Noted July 12.

Okla., Enid—Storm sewers, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $47,765.

Okla., Tulsa—Storm sewers in Meadow Brook Addition, to E. G. Fike & Co., 2531 East Independence St., $24,600.

Wash., Seattle — Bd. P. Wks., C. B. Bagley, secy., trunk sewer in West Hanford St., to G. Nelson, 231 Summit Ave. Div. 1 $380,516, Div. 2 $735,916; and 48th Ave. S., to F. Arcorace, 8423 48th Ave. S., $34,400. Noted July 5.

Calif., Truckee—F. S. Powell, secy., Truckee Sanitary Dist. sewage disposal plant and outfall sewer to M. Murphy, 1321 Milvia St., Berkeley, $26,532. Noted Aug. 16.

Waste Disposal

Proposed Work

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids July 25, garbage incinerator, Tompkins and Chestnut Aves. $190,000. Noted July 19.

Bids Desired

N. Y., Brooklyn—Sept. 17, by Brooklyn Ash Removal Co., Inc., at office Dpt. Street Cleaning, Municipal Bldg., New York, pile driving, timber, dock and bulkheads, concrete foundations and superstructure incinerator plant, Gowanus Canal and Hamilton Ave.

N. Y., Elmira—Sept. 10, by H. Markson, city clk., City Hall, constructing Mixed refuse incinerator plant. M. W. Wipfler, city engr.; adv. E. N.-R. Aug. 30. Noted Apr. 15.

N. Y., St. George — Sept. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 90 ton incinerating plant for Clifton Destructor, Clifton.

Bridges

Proposed Work

Wis., Superior—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., and Great Northern Ry. Co., J. R. W. Davis, ch. engr., both Ry. Exch. Bldg., St. Paul, Minn., concrete viaduct over tracks, on 21st St. $25,000.

New Mexico—State Hy. Comn., Santa Fe, rejected bids June 20, Las Animas River Bridge. Noted June 14.

Ont., St. Thomas—Michigan Central Ry., J. F. Deimling, ch. engr., Detroit, Mich., rebuilding steel, concrete bridge over Kettle Creek. $100,000.

Bids Desired

Massachusetts—See "Streets and Roads."

New Jersey — Sept. 17, by State Hy. Comn., Trenton, bridge over Meeker Ave., Newark, Essex Co.; bridge to carry State Hy. Route 3, (Revision 1927) over tracks Northern R.R. of New Jersey, and New York, Susquehanna & Western R.R., Hudson Co. A. L. Grover, ch. clk.

North Carolina—Sept. 11, by State Hy. Comn., Raleigh, concrete bridge, culverts State Projects 627, 4901 and 368, in Catamba, Wake and Onslow Counties. Total $147,000. L. R. Ames, hy. engr.

Louisiana—Sept. 18, by State Hy. Comn., Baton Rouge, steel, timber bridge over Salt Bayou on New Orleans Mississippi Hy., St. Tammany Parish. J. M. Fourmy, Reymond Bldg., Baton Rouge, state engr.

Iowa — Sept. 4, by State Hy. Comn., Ames, one 32 x 24 ft. I-beam and one 40 x 24 ft. I-beam bridges, 80 x 20 ft. pony truss bridge with two 32 x 20 ft. I-beam approach spans, 60 x 20 ft. skew pony truss bridge, adding two 40 x 20 ft. I-beam approaches to high truss bridge, also 35 culverts, extensions, on Minden Rd., B-576, Pottawatamie Co.—90 x 24 ft. skew plate girder bridge, U. S. Road 35, B-146, Winneshiek Co.—box culvert on U. S. Road 71, B-571 Buena Vista Co.—14 culverts on U. S. Road 32, B-571, Cass Co.—culvert on P. R. Road 99, B-210, Clinton Co.—13 culverts, P. R. Road 113, F.A.B. 247, Delaware Co.—2 culverts P. R. Road 1, B-589, Johnson Co.—8 culverts U. S. Road 161, B-100, Lee Co.—11 culverts U. S. Road 32, B-577, Pottawatamie Co.—36 culverts, P. R. Road 1, B-177, Winneshiek Co. R. F. White, hy. comr.

Colorado—Sept. 4, by State Hy. Dpt., Denver, 135 ft. I-beam bridge and graded approaches, Boggs Creek, State Hy. 96, Project 722. L. D. Blauvelt, State Office Bldg., engr.

California — Sept. 5, by C. H. Purcell, state hy. engr., P. Wks. Bldg., Sacramento, three 38 ft. girder span bridge over Indian Creek; 60 ft. span and 38 ft. span girder bridge over Grass Valley Creek, both in Trinity Co. $25,000.

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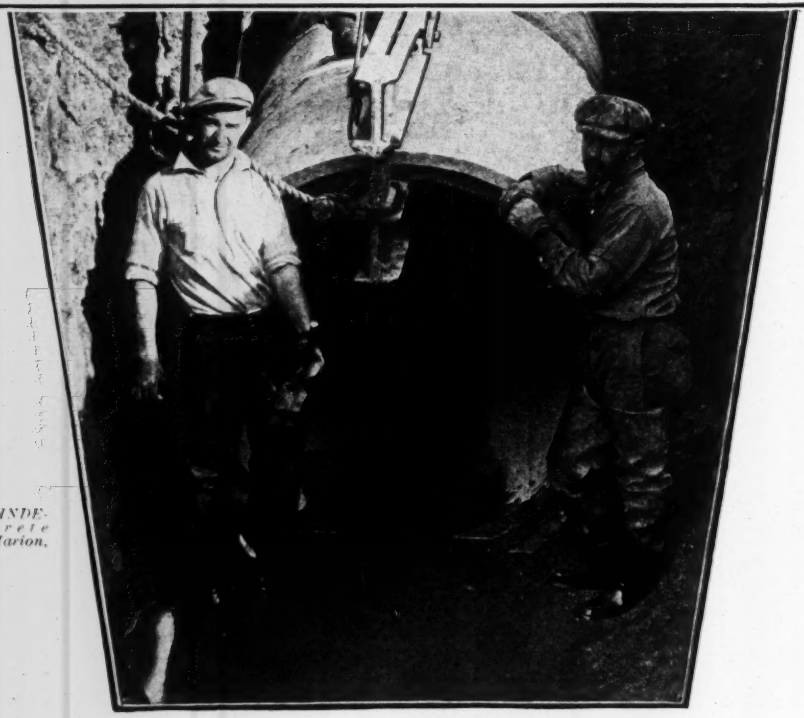
INDEPENDENT PIPE



Laying a line of INDEPENDENT Concrete Sewer Pipe at Marion, Ind

Easier to Lay in Any Trench!

Because the RECESSED JOINT is Easier to Seal

WATER, mud, sand or other difficult trench conditions, which usually mean trouble and delays in laying most types of sewer pipe, do not hold back the construction of an INDEPENDENT Concrete Pipe Line.

Even with some water or mud in the prepared trench, the "RECESSED" Joint enables the construction crew to lay and seal the pipe line speedily and efficiently. Where excessive water is encountered, it need be kept down for only a short time, while this simple pipe joint is sealed and gets its initial set. Then, back-filling can be done at once, if desired. No waiting for joints to set. No long open trenches! No bell holes needed! No big expense for pumping or sheeting.

With the "RECESSED" Joint, the LOWER half of the joint recess is sealed INSIDE the pipe, while the UPPER half is sealed ON TOP of the sewer. That's the secret of the speed and low cost with which INDEPENDENT pipe lines are laid.

If you're figuring on a concrete sewer project, let us show you how the use of INDEPENDENT Pipe will save time and trouble, and insure a profitable job. Write us.

INDEPENDENT CONCRETE PIPE COMPANY

General Offices: 202 N. West St., Indianapolis, Ind.

Sales Agencies in All Principal Cities

Bridges (Continued)

Calif., San Francisco — See "Streets and Roads."

Contracts Awarded

N. Y., Buffalo—Dpt. P. Wks., Municipal Bldg., superstructure 2 bridges over improved channel Buffalo River and Cazenovia Creek, Bailey Ave., to E. Plupter Corp., 592 Ellicott Sq., $189,700. Noted May 10.

New Jersey — State Hy. Comn., Trenton bridge over tracks Port Reading Branch of Reading Co., Middlesex Co., to T. J. Foley Co., 16th St. and Parkway, Phila., Pa., $37,477. Noted Aug. 16.

Pa., Phila. — Dpt. P. Wks., Bureau of Engineering & Survey, reflooring Girard Avenue Bridge over Schuylkill River, to Mundy Paving & Constr. Co., 220 South Warnock St., $48,029.

W. Va., Hinton—Overhead bridge, on Avis St., to E. R. Mills, Covington, Ky., $64,839. Noted July 12.

Kentucky — State Hy. Dpt., Frankfort, bridges in Madison Co., to Phelps Constr. Co., Somerset, $15,597—steel superstructure over Tygart Creek, Greenup Co., to Brookeville Bridge Co., Brooksville, O., $31,741—2 steel superstructures over Licking River, one in Magoffin Co., other in Morgan Co., to E. R. Mills, Covington, $8,685 each—steel superstructure over North Fork Kentucky River, Perry Co., to Vincennes Bridge Co., Vincennes, Ind., $43,332—concrete substructure Greenup Co., to E. K. Newell & Co., Mayesville, $29,916—concrete substructure in Perry Co., to Cook & Elliott, Oneida, Tenn., $23,500. Grand total $161,456. Noted July 12.

Indiana — J. D. Williams, dir. State Hy. Comn., Indianapolis, 2 bridges, Tippecanoe Co., to J. C. Jarrett, Lynn, $12,152—bridge, Harrison Co., to J. C. Ellis, Rockport, $6,918—2 bridges, Wayne and Scott Counties, to R. L. Schutt, Indianapolis, $16,658—3 bridges, Lake Co., to R. H. King, Danville, $21,437—3 bridges, Elkhart Co., to C. E. Rock, New Paris, $24,172—bridge, Jackson Co., to Hancock & Kieffer, Brownstown, $10,741—2 bridges, Grant Co., to J. E. Sweet & Son, Woodburn, $16,288. Grand total $108,366. Noted July 19.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Hamilton Co., to G. H. Goodlink, Lawrenceville, $46,842—Hancock Co., to Federal Bridge Co., 1001 Bankers Trust Bldg., Des Moines, Ia., $8,749—Peoria Co., to A. Olson Constr. Co., Waterloo, Ia., $35,000—Will Co., to Chernus Constr. Co., 448 Wrigley Bldg., Chicago, $3,705—Alexander Co., to G. W. Condon Co., 415 Farnum St., Omaha, Neb., $4,941—Schuyler Co., to Illinois Steel Bridge Co., Jacksonville, $10,778—Livingston Co., to Hart & Childress, Earl Park, Ind., $20,792. Grand total $130,807. Noted July 12.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Du Page Co., to Widell Co., Mankato, Minn., $34,385—Macon Co., to A. Culbertson, Oconee, $14,314—Champaign Co., to R. McCalman, Inc., Danville, $28,184—Macon Co., to C. F. Smith, Indianapolis, Ind., $47,458—Iroquois Co., to Herrick Constr. Co., Carlinville, $33,950 — Livingston Co., to Hartmann-Clark Bros., 930 Peoria Life Bldg., Peoria, $12,303—Kankakee and Champaign Counties, to Continental Bridge Co., 460 Monadnock Bldg., Chicago, $4,112 and $9,883 respectively. Grand total $184,589. Noted July 5.

Iowa—State Hy. Comn., Ames, bridges, culverts in Buchanan Co., to J. B. Elliott, Independence, $37,400—Cass Co., to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, Neb., $6,525—Decatur and Montgomery Counties, to C. J. Kramme, Ft. Dodge, $587 and $10,300 respectively—Guthrie Co., to Matson & Christenson, Guthrie Center, $21,897—Henry Co., to A. Melberg, Cedar Rapids, $13,590—Louisa Co., to Ingersoll-Stoufer Eng. Co., Marshalltown, $34,300—Lucas Co., to Knutson Bros., Chariton, $16,567—Mahaska Co., to H. E. Whitlatch, Oskaloosa, $20,690—Plymouth and Mills Counties, to Wickham Bridge & Pipe Co., Council Bluffs, $23,000 and $10,700 respectively—Washington Co., to Iowa Bridge Co., 19th St. and Eastern Blvd., Des Moines, $16,792—Worth Co., to Metropolitan Constr. Co., Omaha, Neb., $10,169—Adair Co., to F. O. Akin, Corning, $5,975—Alamakee Co., to J. J. Grose, West Union, $1,788—Bremer Co., to Waugh & Tackman, Clarksville, $1,865—Lucas Co., to Schaaf & Jacobson, Lake Park, $5,120—Tama Co., to A. A. Alexander, 502 Frankel St., Des Moines, $20,987—Winneshiek Co., to A. R. Coffeen, Decorah, $2,258. Grand total $260,510. Noted Aug. 2.

Missouri — State Hy. Comn., Jefferson City, to J. G. Morris, St. Joseph, two 10 ft. rein.-con. slab spans over small branch, Worth Co. $3,113—to Farrell-Dubrouillet, Linn, two 12 ft. rein.-con. slab spans over Sandy Creek $3,251; same over Falling Timber Branch $5,120, Warren Co.—to M. E. Gillioz, Monett, one 8 ft. rein.-con. slab span over creek $1,075; two 10 ft. rein.-con. slab spans over branch Lindley Creek $1,926; two 10 ft. rein.-con. slab spans over branch Lindley Creek $2,313; six 10 ft. rein.-con. slab spans over creek $7,983; two 12 ft. rein.-con. slab spans over Buffalo Creek $2,789; two 12 ft. rein.-con. slab spans over creek $4,561; two 12 ft. rein.-con. slab spans over branch Lindley Creek $3,661, all Dallas Co.; one 16 ft. rein.-con. slab span over creek, $1,540; two 35 ft., three 40 ft. rein.-con. deck girder, one each 77.5 ft., 100 ft. and 122 ft. arch spans over Pommede Terre River $45,762, Green Co.—to Kelly & Underwood, Granby, two 10 ft. rein.-con. slab spans over dry branch $1,590; two 35 ft. rein.-con. deck girder spans over Beaver Creek $5,697, McDonald Co.—to Republic Constr. Co., Republic, two 10 ft. rein.-con. slab spans over creek $2,349; one 122.5 ft. rein.-con. arch open spandrel bridge over Stouts Creek $11,691, Iron Co.; six 20 ft. rein.-con. slab spans over Dixon Creek $9,446; reflooring five 80 ft. steel truss span bridge over Logan Creek $7,292, Reynolds Co.—to Pioneer Constr. Co., Kansas City, one 80 ft. steel truss, six 40 ft. rein.-con. deck girder spans over Big Creek $27,847; two 50 ft. and one 140 ft. steel truss spans over Big Creek D.D. $33,158; 150 ft. pile trestle over Big Creek Old Channel $4,745, all Daviess Co.; two 12 ft. rein.-con. slab spans over Montgomery Branch $5,813; four 20 ft. rein.-con. slab spans over overflow Big Creek $7,763; two 60 ft. one 80 ft. steel truss spans over Big Creek $23,410, Harrison Co.—to McGlone & Walesby, Higginsville, two 12 ft. rein.-con. slab spans over creek $3,860; four 70 ft. and one 100 ft. steel truss spans over Dixie Creek $38,466, Chariton Co.—to G. W. Condon, Omaha, Neb., 917 ft. pile trestle over St. Francois River, Dunklin Co. $29,297—to J. M. Roark & Son, Anderson, three 35 ft. rein.-con. deck girder spans over Smith Fork, Clinton Co. $16,338. Grand total $316,713. Noted Aug. 9.

Ore., Maupin—State Hy. Comn., Salem, bridge over Deschutes River, to Kuckenberger & Whitman, Bd. of Trade Bldg., Portland, $94,860. Est. $96,405.

Railways

Proposed Work

Indiana—Algers, Winslow & Western Ry., construction and acquisition lines of railroad from connection with Evansville, Indianapolis & Terre Haute Ry. south of Littles to Algers with branch line from Globe to connect with Southern Ry., 15 mi. long, Pike Co.

Bids Desired

New York—Sept. 6, by B. M. Paten, pres. Queens Boro, Queens Subway Bldg., Long Island City, relocating tracks Jamaica Central Railways, in South St. from New York Ave. to Waltham St., Queens Boro.

Missouri—See "Contracts Awarded."

Contracts Awarded

New York — New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr. Terminal Towers Bldg., Cleveland, O., 2 spur tracks, 15,000 ft. long, to McMillen Feed Co. plant near Smith St., in Buffalo. Owner builds.

Missouri—Kansas City Southern Co., A. N. Reese, ch. engr., 11th and Wyandotte Sts., Kansas City, laying steel tracks for 10 mi. railroad between Leeds and Grandview, day labor. Noted July 26.

Oklahoma—C. J. Turpin, vice pres. and genl. mgr. Beaver, Meade & Englewood R.R., 517 Grain Exch. Bldg., Oklahoma City, M. J. Burke, ch. engr., Terminal Bldg., Oklahoma City, 20 mi. railway extension from Hooker to Hough, to Panhandle Constr. Co., Amarilla, Tex., $445,460. Est. $500,000. Noted Feb. 9.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Fla., Fort Pierce—Fort Pierce Financing & Constr. Co. granted permit dredging 22 ft. depth ship channel across Indian River.

Ill., East St. Louis—East Side Levee & Sanitary Dist., Metropolitan Bldg., soon takes bids double 5 x 5 ft. concrete gate with sluice gates, Project 8, near Missouri-Pacific R.R. at Prairie du Pont. Postponed indefinitely taking bids 2 rein.-con., brick pumping stations, equipment. E. F. Harper, c/o owner, engr. Noted Apr. 26.

Ill., Geneseo—Green River Special D. D., H. L. Goembel, chn., surveys work on Green River below Hennigsin Canal Aqueduct, lowering main channel, eliminating canal aqueduct and sharp curves to increase velocity, digging new feeders. $75,000. R. L. Schoenberger, Princeton, engr.

Mo., Agency — Platt River D.D. 2, A. Smith, secy., soon takes bids 3 mi. drainage ditches. Leslie Eng. Co., 820½ Felix St., St. Joseph, engrs.

Mo., New Madrid — Wolf Hole D.D., Sharp & Baynes, attys., preliminary plans drainage canal, laterals. $150,000. Berthe Eng. Co., Charleston, engrs.

Bids Desired

Illinois—Sept. 4, by Comrs. Black Walnut Creek D. D., Will and Kankakee Counties, at office Clerk Will Co., Joliet, drainage work, incl. 156,800 sq.yd. excav., 145 ft. 12- to 21-in. corrugated and 17,650 ft. 8- to 18-in. tile pipe. W. H. Zarley, Joliet, engr.

Ia., Algona—Sept. 4, by Kossuth Co., extending D.D. 127, incl. 3,200 ft. 26 in. drain tile; cleaning out D.D. 69, incl. 2,300 cu.yd. excav., A. E. Michel, engr.; plans extending D.D. 81, incl. 1,620 ft. 26 and 28 in. drain tile.

Tex., San Antonio—City, C. M. Chambers, mayor, taking bids 400 ft. concrete lined flood prevention channel 70 ft. wide, 20 ft. deep, incl. movable and stationary dams. S. F. Crecelius, 201 Torcido Dr., engr. Noted June 14.

Calif., Turlock—Sept. 10, by A. Sorenson, secy. Turlock Irrigation Dist., 2 in. canal lining, 47,285 sq.ft. in Schedule 1; concrete structures, Schedule 2; 330 lin.ft. 36 in. concrete pipe, Schedule 2½; timber bridge, Schedule 3. Noted Apr. 19.

Ont., Fort William—Sept. 4, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging.

Contracts Awarded

Miss., Vicksburg—Third Mississippi River Dist., first contract Mississippi flood control work, incl. 800,000 cu.yd. fill, to Wilbanks-Pierce, Inc., Brandenton, Fla. Noted June 28.

Ia., Council Bluffs—Pottawatomie Co., improving Honey Creek D. D., to S. C. Briggs, 1343 South 34th St., Omaha, Neb., at $0.07 per cu.yd. Noted July 19.

Ill., Chicago — Straightening South Branch of Chicago River, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., $2,773,930. Noted July 12.

Neb., Paxton — Paxton Irrigation Dist., c/o M. Burke, 22 mi. ditches, incl. old Paxton Irrigation Canal, to Thomson & Humphreys, 308 Securities Bldg., Omaha, $51,802. Est. $64,000.

Tex., Mcallen—Hidalgo Co. Water Co. Impvt. Dist., c/o A. W. Cameron, co. judge, Edinburg, 200,000 ft. 10- to 30-in. concrete pipe, to W. T. Liston & Son, Harlingen, $110,000.

Ont., Sault Ste Marie—Dpt. P. Wks., Ottawa, dredging, to Soo Dredging & Constr. Co., Sault Ste Marie, $50,000.

N. B., Campbellton—Dredging, to F. Michand, Buctouche, $29,000.

Streets and Roads

Bids Desired

Massachusetts—Sept. 4, by Dpt. P. Wks., State House, Boston, bituminous macadam, concrete and gravel paving 15,578 ft. in Bedford, Hanson, Colrain, Salem and Sharon Counties, 23 ft. rein.-con. bridge, Acton. W. F. Williams, comr.

N. Y., Brooklyn—Sept. 6, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging Bay 7th St.; grading, sheet asphalt on concrete paving Rockaway Parkway, New York and Atkins Aves., Bay 7th, Berriman, Pulaski, 51st, East 37th, East 40th Sts.; recurbing, asphalt paving Atkins Ave.; asphalt on 6 in. concrete paving Hopkinson Ave.

N. Y., Buffalo—Sept. 4, by G. F. Fisk, comr. P. Wks., Municipal Bldg., stone paving 3,500 sq.yd. road, and 3 in. bituminous paving present road from Genesee St., to hangars at airport. C. E. P. Babcock, city engr.

N. Y., Long Island City—Sept. 6, by B. M. Patten, pres. Queens Boro, Queens Sub-

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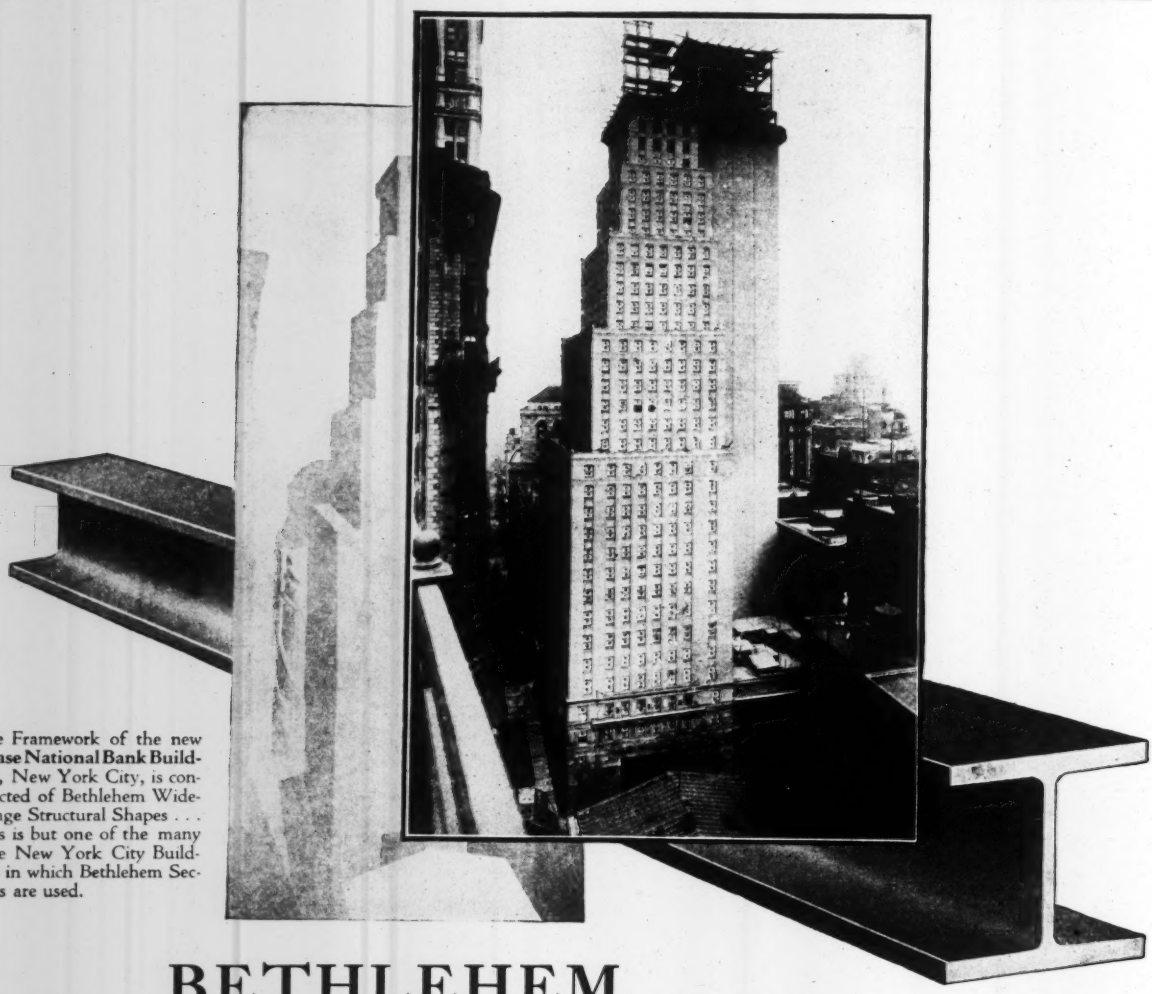
IN THE NEW CHASE NATIONAL BANK BUILDING



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Streets and Roads (Continued)

way Bldg., grading South Rd., 46th St., Foch Blvd.; sidewalks on Laurel Hill Blvd.; grading, sidewalks, sheet asphalt on concrete paving De Boe Pl.

N. Y., New York—Sept. 5, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete repaving Southern Blvd., East 156th and East 205th Sts., Barnes, Underhill, Corlear, Mace, Radcliffe, Mace, Watson and Gleason Aves.; grading, curbing, sidewalks on Purdy St., Wilder and Croes Aves.

N. Y., St. George — Sept. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Atlantic Ave.; concrete paving Rockland Ave.

New Jersey — Sept. 10, by State Hy. Comn., Trenton, rein.-con. and bituminous concrete paving Route 17 North, Sect. 1-A, Bergen Co.; grading, rein.-con. paving Entrance Rd. Sects. 1-B, 2-B, 3-B and Connecting Rd. Sect. 3-B, Camden Co. A. L. Grover, ch. clk. adv. E. N.-R. Aug. 30.

New Jersey — Sept. 17, by State Hy. Comn., Trenton, grading, 10 in. double line rein.-con. paving 56,305 sq.yd. Camden Extension, Sects. 5B and 6A, and Route 6, Sect. 17A, Camden Co.; temporary gravel paving 99,472 sq.yd. Route 47, Sect. 1, Cumberland Co. A. L. Grover, ch. clk.

N. J., Newton—Sept. 18, by Bd. Freeholders Sussex Co., Court House, graveling Clove Rd., Sect. 2, Montague Twp. H. Snook, Newton, co. engr.; adv. E. N.-R. Aug. 30.

Pa., Phila.—Sept. 4, by Dpt. P. Wks., Bureau of Hys., Schedule A, grading; Schedule B, improving country roads. A. Murdock, dir.

Maryland—Sept. 4, by State Roads Comn., Baltimore, concrete shoulders, concrete paving 2.1 mi. Contr. B-70-A, Baltimore Co. J. N. Mackall, chn.

Md., Baltimore—Sept. 5, by Bd. Awards, sheet asphalt paving 11,600 sq.yd. Contr. 481. N. L. Smith, hys. engr.

Md., Towson—Sept. 4, by Comrs. Baltimore Co., concrete paving 0.9 mi. roads Group 12, and 1.46 mi. Group 13. S. A. Green, Court House, road engr.

West Virginia — Sept. 5, by State Road Comn., Charleston, stone base course surfacing 1.8 mi. Northwestern Turnpike Project 122-A-2, Mineral Co.—2.7 mi. same road, Sect. B, Grant Co.—4.5 mi. same road, Sect. 122-B and C, Grant Co. E. B. Carskadon, secy.

W. Va., New Martinsville—Sept. 7, by Wetzel Co. Court, improving North Fork Rd., Project 1-E, 1 mi. 2 in. penetration crushed slag and limestone chip cover coat on 6 in. broken stone surfacing; Project 1-F, 12 mi. 8 in. creek gravel, 3 in. slag on 8 in. creek gravel or 3 in. slag on 6 in. bank gravel surfacing. G. A. Harmon, clk.

North Carolina—Sept. 11, by State Hy. Comn., Raleigh, grading, topsoiling concrete paving 8089 mi. in Wataugo, Caldwell, Alleghany, Mecklenburg, Anson, Rockingham, Guilford, Alamance, Wake, Harnett, Onslow and Halifax Counties. Total $829,280.

Fla., West Palm Beach—Sept. 5, by Bd. Comrs. Palm Beach Co., at City Clerk's Office, material and supplies for road oil retreatment highways during year ending Sept. 30, 1929.

Ala., Birmingham—Sept. 4, by A. J. Hawkins, engr., City Hall, grading, sheet asphalt, asphaltic concrete and concrete paving, sidewalks, granite and concrete curbing. Total $238,765.

Miss., Columbus — Sept. 3, by Bd. Supervs. Lowndes Co., clearing, grubbing, grading, culverts, Bermuda sodding 1.7 mi. Columbus-Artesia Rd. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Vicksburg — Sept. 4, by Bd. Supervs. Warren Co. at office Chancery Clerk, clearing, grubbing, bridging, grading, Bermuda sodding 0.81 mi. Federal Aid Project 184-D; 1.177 mi. Federal Aid Project 201-A. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Water Valley—Sept. 4, by Mayor and Bd. Aldermen, rock asphalt paving 5,600 sq.yd. Owner furnishes material. G. R. Wood, City clk.

La., Natchitoches — Sept. 28, by O. F. Himel, secy. and treas., City Hall, grading, curbing, sidewalks, 6 in. rein.-con. paving 5,142 sq.yd. Bossier St. C. H. Evans, city engr.

O., Cincinnati—Sept. 4, by C. O. Sherrill, city mgr., grading, curbing, guttering, sidewalks, concrete paving 12,000 sq.yd. Hamilton Ave. $48,208.

O., Cincinnati—Sept. 5, by C. O. Sherrill, city mgr., grading, sheet asphalt on concrete surfacing 5,800 sq.yd. Madison Rd. $63,150.

O., Cincinnati—Sept. 6, by C. O. Sherrill, city mgr., curbing, guttering, sidewalks, concrete paving 14,200 sq.yd. Lester Rd. $67,900.

O., Cincinnati—Sept. 7, by Comrs. Hamilton Co., sidewalks, grading, concrete paving 2,286 sq.yd. Madison Rd. Former bids rejected. E. A. Gast, Court House, engr. Noted Aug. 2.

Ind., Goshen—Sept. 6, by Comrs. Elkhart Co., concrete paving 10,237 ft. Twp. Unit Rd. C-5. $46,500. M. E. Croop, Goshen, aud.

Ind., Kokomo — Sept. 5, by Comrs. Howard Co., graveling Ward Haynes et al. Rd. $38,144. O. O. Butcher, Kokomo, aud.

Ind., Lebanon—Sept. 4, by Comrs. Boone Co., concrete paving John A. Sunderland et al. Rd. $11,050—graveling Boone E. Loose et al, Rd. $12,954—hy. in Center Twp. $19,825—hy. in Union Twp. $8,880—hy. in Jefferson Twp. $8,380. M. Harvey, Lebanon, aud.

Ind., Rochester—Sept. 5, by Comrs. Fulton Co., constructing William Shonk et al. Rd., $10,824—Foy Smith et al. Rd. $4,376—W. H. Sheetz et al. Rd., $14,986—William Mathias et al. Rd., $13,450. S. Robbins, Rochester, aud.

Iowa—Sept. 4, by State Hy. Comn., Ames, grading, paving 0.747 mi. Orient Rd., P-472, Adair Co.—0.544 mi. Iowa City Rd., P-589, Johnson Co.—18.88 mi. New Boston Rd., P-149, Lee Co.—1.039 mi. Richland Rd., P-594-C, Keokuk Co.—2.311 mi. Bellevue Rd., P-600, Jackson Co.—7.342 mi. Primghar Rd., P-335, O'Brien Co.—1.076 mi. Brighton Rd., P-253, Washington Co.—grading 4.47 mi. U. S. Road 32, P-571, Cass Co.—0.856 mi. Clinton Rd., P-582, Clinton Co.—4.507 mi. Delhi Rd., F-249, Delaware Co.—10.35 mi. Primary Road 7, P-576-A, and 2.204 mi. U. S. Road 32, P-577-B, Pottawatamie Co.—0.934 mi. Washington Rd., P-544, Washington Co.—7.362 mi. Calmar Rd., P-177-G, Winneshiek Co. R. F. White, hy. comr.

Minn., St. Paul — Sept. 4, by K. L. Fieseler, city purch. agt., asphaltic concrete paving Maryland St. between Duluth and White Bear Aves. $80,000. J. W. Kelsey, city engr.

Kan., Independence—Sept. 10, by Clerk Montgomery Co., grading, culverts 6.312 mi. Federal Aid Project 285-C, 30 ft. To exceed $25,000. J. E. Courtright, Independence, co. engr. Noted Aug. 2.

Kan., Smith Centre—Sept. 21, by Clerk, Smith Co., grading 78,271 cu.yd. R. D. Hutchins, engr.; adv. E. N.-R. Aug. 30.

Mo., Kirkwood—Sept. 4, by W. J. Donworth, city clk., concrete paving 4,766 sq. yd. Van Buren Ave.—3,801 sq.yd. Caroline Ave.—3,850 sq.yd. Bach Rd.—8 in. waterbound macadam paving Duley, Ann, Fillmore, Essex and Circles Aves.—bituminous treated macadam surfacing Geyer Rd. W. C. Berry, City Hall, engr.

Mo., St. Joseph—City Clerk bids about Sept. 20, wire-cut brick on 8 in. concrete paving 14,020 yd. Frederick Ave., $63,000; 5,500 sq.yd. streets, $25,000. R. Dunlap, city engr.

Mo., St. Louis—Sept. 11, by Bd. P. Serv., City Hall, paving Grand Blvd., Pamplin Pl., 10 streets, Ferris and Christy Aves. W. W. Horner, City Hall, engr.

Mo., St. Louis—See "Waterworks."

Mo., Sikeston—City Clerk bids about Sept. 7, grading, curbing, concrete paving 17,000 sq.yd. North and South Kingshighway. $70,000. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs. Noted July 19.

Ark., Searcy—Sept. 6, by City Comn., at office Mayor, curbing, rein.-con. paving 12,100 sq.yd. Dist. 11. Ford & MacCrea, Gazette Bldg., Little Rock, engrs. Noted May 10.

Tex., Sinton — Sept. 10, by Judge San Patricio Co., grading, graveling 30,000 cu. yd. Mathis-Bluntzer Rd. J. M. Winfrey, Mathis, engr.

Oklahoma—Sept. 5, by State Hy. Comn., Oklahoma City, sheet asphalt paving 21,175 sq.yd. U. S. Hy. 66, Canadian Co. $61,000. C. R. Mandigo, hy. engr.

Washington — Sept. 18, by State Hy. Comn., Clympia, **(S. R. means State Road)**, grading 211,740 cu.yd. S. R. 2, King Co.—219,110 cu.yd. S. R. 8, Klickitat Co. — crushed graveling 10,500 cu.yd. S. R. 9, Clallam Co.—4,000 cu.yd. S. R. 9, Grays Harbor Co.—paving 2 mi. S. R. 5, Pierce Co. S. J. Humes, hy. engr.

California—Sept. 12, by State Hy. Comn., Sacramento, asphaltic concrete paving 1 mi. hy. through Imperial, Imperial Co.—1.4 mi. between San Dimas and Ramona Aves., Los Angeles Co.—widening, bituminous macadam paving 2.1 mi. road between Sheridan and North Boundary, Placer Co. C. H. Purcell, Highway Bldg., engr.

Calif., Inglewood—O. H. Duelke, city clk., taking bids curbing, grading, 6 in. vibrolithic concrete paving Prairie Ave. Est. exceeds $100,000. W. Peffer, city engr.

Calif., Manhattan Beach (Manhattan P. O.)—Sept. 6, by City Council, 4 in. National, or concrete paving, sewers, mains and lighting system, 25th and 26th Sts. Est. exceeds $25,000. L. C. Lull, 1127 West Washington St., engr. Noted May 31.

Calif., Richmond—A. C. Faris, city clk., taking bids curbing, grading, 4 in. broken rock cushion, 4 in. asphaltic concrete, 2 in. warrenite bituminous paving 23rd, Florida and Main Sts. Est. exceeds $30,000. E. A. Hoffman, city engr.

Calif., Sacramento—Bids about Sept. 15, asphaltic concrete paving McKinley Blvd., 5 streets, Santa Ynez and San Miguel Ways. $100,000. S. Hart, city engr.

Calif., San Diego—Sept. 11, by Common Council, concrete curbing, guttering, 6 in. concrete paving 228,706 sq.ft., 2 in. warrenite on 4 in. asphaltic concrete paving 110,338 sq.ft. Mountain View Dr., other streets. A. H. Wright, city clk. Noted Aug. 9.

Calif., San Francisco—Sept. 19, by Bd. P. Wks., Bernal Cut Project, incl. grading, paving $86,000, Bosworth St. Bridge $250,000, Highland Ave. Bridge $40,000, Richland Ave. Bridge $11,500, sewers $22,000, walls $28,000, grading $125,000, stairways $4,250, electrical work $4,400, fences and coping $9,500. M. M. O'Shaughnessy, city engr.

Ont., Ridgeway—Sept. 1, by R. Cooper, clk. Welland Co., 1 in. asphalt on 4½ in. black base paving 14,750 sq.yd. Garrison Rd. $45,000. Ross & Scott, 89 Main St. E., Welland, engrs.

Contracts Awarded

Vt., St. Johnsbury—Street Dpt., rein.-con. paving hy., to J. B. Dugan, Amsterdam, N. Y., $206,401.

Massachusetts — Dpt. P. Wks., State House, Boston, gravel, bituminous macadam paving 2,250 ft. in Roxborough, to A. M. Custance & Co., West Acton $3,010—bituminous macadam paving 4,712 ft. in West Boylston, and 6,245 ft. in Uxbridge, to R. H. Newell Co., Medway, $25,391 and $46,213 respectively—5,070 ft. in Mansfield and Norton, to Morrell & Monroe, 31 Bucklin St., North Attleboro $48,860—6,100 ft. in Ludlow, to Warner Bros. & Goodwin, Sunderland $28,312—1,628 ft. in Haverhill, to A. Dinso, 78 Washington St., Haverhill $16,290—19,550 ft. in Russell and Huntington, to Interstate Highway Constr. Co., 200 Hancock St., Quincy $163,080—rein.-con. paving 4,550 ft. in Waltham, to J. H. Fannon, 39 Powder House Terrace, West Somerville $40,170. Grand total $371,362. Noted Aug. 9.

Mass., Medford (br. Boston) — Street Dpt., constructing Fulton St., to A. G. Tomasello & Son, Inc., 250 Stuart St., Boston, $50,436. Noted Aug. 23.

N. Y., Buffalo—To H. P. Burgard Co., 1968 Fillmore Ave., sheet asphalt on concrete paving Hastings St. $20,190; Williams St. $71,300; Selkirk St. $34,869; Erie St. $30,700; Woodward Ave. $47,930—to Rock Asphalt & Constr. Co., Morgan Bldg., Brayton St. $9,814; Seneca St. $120,610; Abbott Rd. $107,419—to Erie Contg. Co., Morgan Bldg., Lawn Ave. $29,430—to Standard Paving Ltd., 945 Bailey Ave., Clark St. $24,650—to B. Spire, Dun Bldg., Burt St., $3,720. Grand total $500,632.

New Jersey—State Hy. Comn., Trenton, grading meadow section, Newark, to DeWeiss Bros., Shelbourne and Vincent Sts., Phila., Pa., $221,525; 4 mi. road in Middlesex Co., to Rudolph & Delano, Tamaqua, Pa., $565,776. Noted Aug. 16.

N. J., Fair Lawn — Bd. Boro Council, School 3, grading, paving Henderson Blvd. and Highview Ave., to Harper Bros., 162 Beech St., Hackensack, $24,182.

N. J., Hackensack—Hackensack Impvt. Com., Municipal Bldg., paving Marvin and Sutton Aves., also Lookout Ave., to Harper Bros., 162 Beech St., Hackensack, $70,985 and $18,200 respectively; East Passaic St., to J. Rongo, 90 New St., $8,928. Grand total $98,113. Noted July 12 and Aug. 2.

N. J., Maywood (br. Hackensack)—Bd. Boro Council, Boro Hall, paving Orchard Pl., Edel and Belle Aves., to J. Kinzley Co., Zabrisky St., Hackensack, $25,366. Noted July 19.

N. J., Newark — Bd. Freeholders Essex Co., Hall of Records, grading, curbing, sewers, 2 course 8 in. rein.-con. paving Vaux Hall Rd., to Loprete Asphalt Co., 423 Amherst St., East Orange, $15,724; Springfield Ave., to A. Lamporiello, 67 Glenridge Ave., Montclair, $15,560. Noted Aug. 2.

N. J., New Brunswick—Middlesex Co., Court House, rein.-con. paving Aqueduct-Plainsboro Rd., and resurfacing Main St., Woodbridge, to A. Keyes, Woodbridge, $35,325 and $8,872 respectively.

N. J., Nutley (br. Newark)—Bd. Town Comrs., Town Hall, curbing, concrete paving Bloomfield Ave., to Carmen Jannarone Contg. Co., 20 Harrison St., 50,554. Noted July 4.

N. J., Plainfield—Common Council, City Hall, recurbing, bituminous macadam pav-

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Streets and Roads (Continued)

ing Elizabeth St., and 5 avenues, to J. Naples, Inc., 118 Jefferson Ave., Passaic, $61,171. Est. $102,500. Noted Aug. 2.

N. J., Ridgefield Park—Grading Brewster Ave., and constructing East Side Sewer Sect. 3, to G. DiNapoli, Inc., 80 Main St., Hackensack, $28,582. Noted Aug. 9.

N. J., Somerville — Somerset Co., 9 in. rein.-con. paving Basking Ridge-Norris Co. line Rd., to Golden Constr. Co., 5012 Woodbine St., Phila., Pa., $105,822. Noted July 12.

N. J., Tenafly—Bd. Boro Council, Boro Hall, rein.-con. paving Lindley Ave., to Falcon & D'Amilio, Cresskill, $20,208. Noted July 19.

N. J., Union—Union Co., Elizabeth, 3 in. sheet asphalt paving 44,100 sq.yd. Stuyvesant Ave., to J. F. Burke, 305 Park Ave., Plainfield, $206,235. Est. $210,000. Noted Aug. 2.

N. J., Union—Twp. Com., Town Hall, curbing, 6 in. rein.-con. paving Balmoral Ave., Ernest and Long Terraces, to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $24,410; Apgar Court, Ray Ave. and Steuben St., to J. Dorer, 644 Nye Ave., Irvington, $26,113. Noted Aug. 2.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to J. F. Feeney, 106 Kalos St., grading Borbeck, Bradford and Farnsworth Sts. $20,483—to M. Masse, 3936 North Reese St., Bristol St. $567; High and Mechanic Sts. $3,591—to J. Ciccone, 5732 Westminster St., Claridge, Dungan, Howland, Longshore, Northumberland and Tabor Sts. $3,293—to R. B. Wenner, 2819 Gordon St., Ella St. $677; Moore and 31st Sts. $4,743; 53rd St. $1,146; 66th St. $1,123—to J. Herzog, 4314 Old York Rd., 19th St. $1,380—to Barber Asphalt Co., Hunting Park Ave. E., asphalt paving (assessment work), Andrews, 18th and 19th Sts. $38,950; Dunlap, Jefferson and 57th Sts. $37,897; Montgomery St. $5,477; 53rd St. $7,289; 58th St. $13,481; asphalt repaving Clementine, Sydenham and Victoria Sts. $10,334; Colorado, Latona, Mayton, McClellan and Oakford Sts. $21,884; Jackson St. $15,856; Peter and 29th Sts. $5,862; Smedley St. $6,753; 31st and 32nd Sts. 15,922; 35th St. $5,753—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) Godfrey St. $33,-298; asphalt repaving Magnolia and Rittenhouse Sts. $19,433; Seymour and Wister Sts. $25,705—to C. G. Centrone, 520 North 65th St., improving Culp, Manti and Parker Rds. $5,353; redressed granite block repaving Parrich St. $4,524—to F. A. Caruso & Son, 804 South 12th St., improving Knorr and Tyson Rds. $19,605—to Curtis Bros., 6640 State Rd., Loretta Rd. $29,328—to M. Leewright, 424 Seville St., Sunset Rd. $4,003—to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving Carpenter, Kater and Montrose Sts. $69,103—to Eastern Asphalt Co., Penna. Bldg., Green St. $22,872; Jasper, Livingston, Melvale, Miller, Venango, Vici Sts., $46,433; Thompson St. $40,887—to Elkins Paving & Constr. Co., 836 North Holly St., smooth dressed granite block repaving Commerce, Filbert and 13th Sts. $8,662—to P. Salucci, 512 North 65th St., Richmond St. $8,786. Grand total $560,453. Noted Aug. 9.

Pennsylvania—State Hy. Comn., Harrisburg, bituminous treated macadam surfacing 1,962 sq.yd. Franklin Co., to Jones Constr. Co., West Winfield, $62,425—bituminous treated macadam surfacing 13,-827 sq.yd. Elk Co., to G. J. Weisner, St. Marys, $50,594 — grading 37,802 cu.yd. Beaver Co. and rein.-con. paving 10,490 sq.yd. Washington Co., to B. Franklin, Jr., 1420 Chestnut St., Phila., $48,298 and $50,-997 respectively—rein.-con. paving 9,319 sq.yd. Armstrong Co., to Windber Constr. Co., Windber, $45,465—41,306 sq.yd. Westmoreland Co., to E. H. Canon, 4079 Jenkins Arcade, Pittsburgh, $183,003—52,786 sq.yd. Erie Co., to J. C. Devine Co., Meadville, $226,529—18,168 sq.yd. Lebanon Co., to W. Grant Raub Co., Red Lion, $83,849—10,600 sq.yd. Somerset Co., to M. F. McCabe & Co., Salisburg, $47,007—6,697 sq.yd. Bradford Co., to A. W. Hinaman Constr. Co., R. D. 2, Williamsport, $30,549 — 24,969 sq.yd. Lycoming Co., to Smouse & Kreamer, Galeton, $118,046—19,050 sq.yd. Lancaster Co., and 34,888 sq.yd. Susquehanna Co., to Ashland Lumber Co., Ashland, $78,900 and $176,808 respectively. Grand total $1,202,-470. Noted July 12.

Md., Baltimore—Bd. Awards, concrete paving 12,200 sq.yd. Contr. 477, to D. Marine, 236 Albemarle St., $28,241; sheet asphalt paving 5,600 sq.yd. Contr. 478, to P. Flanigan, Harford Rd. and Baltimore & Ohio R.R., $39,688. Noted Aug. 9.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,550 sq.yd. Contr. 476, to Amer. Paving Co., Montebello Ave., $48,-996. Noted Aug. 2.

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Miss., Belzoni—Humphreys Co., concrete paving 37,885 sq.yd. and rein.-con. paving 8,200 sq.yd. Federal Aid Project 179-C, to T. L. James & Co., Ruston, La., $90,463. Noted Aug. 2.

Miss., Europa—Bd. Aldermen, grading, curbing, sewers, concrete paving 17,100 sq.yd., to Schevenell Co., 757 Woodward Bldg., Memphis, Tenn., $35,358. Noted Aug. 2.

Miss., Macon—Grading, curbing, guttering, concrete paving 12,513 sq.yd., to Merrill Eng. Co., Jackson, $52,000.

Miss., Vicksburg—Curbing, guttering, paving 15,500 sq.yd. East Clay St., also 3,000 sq.ft. concrete driveway around City Hall, to V. T. Zollinger, Vicksburg, $37,000; 17,-800 ft. 8- to 30-in. sewers, 150 catch basins, 36 castings, to Vicksburg Lumber Co., Vicksburg.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, **(P. means Project)**, rock asphalt paving P.S.B.P. 10, Meigs Co., to R. H. H. Blackwell, Jacksonville, Fla., $149,-771—P. 75-B, Davidson Co., to J. L. Humbard Constr. Co., Knoxville, $26,389—P. 80-A, Davidson Co., and P. 330-A, Obion Co., to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., $254,610 and $114,492 respectively—P. 93-B, Rutherford Co., to G. A. Thomason, Macon, Ga., $96,-786—P. 108-B-C, Franklin Co., to Interstate Constr. Co., Independent Life Bldg., Nashville, $13,905—improving P. 147-B, Carroll Co., to S. K. Jones Constr. Co., Cotton Exch. Bldg., Memphis, $129,683—P. 170-C, Marion Co., and P. 512-A, Rutherford Co., to Brown Constr. Co., 706 Manning St., Chattanooga, $106,819 and $15,889 respectively—P. 209-A, Cumberland Co., to R. S. Freeman, 701 Magnolia St., Knoxville, $17,283—P. 313-C, Decatur Co., to Jamison Bros., High Point, N. C., $75,584—P. 322-A, 323-A and 509-A, McMinn and Monroe Counties, to Asphalt Distributing Co., Victoria Bldg., St. Louis, Mo., $50,586—P. 331-A, Weakley Co., to Hays Constr. Co., Jackson, $103,432—P. 331-B, Weakley Co., to F. G. Hall, Martin, $158,747—P. 333-A and C, Warren Co., to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., 26,484—P. 356-A, Hamilton Co., to E. A. Wood & Co., Andrews, N. C., $51,416—P. 369-C, Lewis Co., to M. C. Morrills, Erin, $6,620—P. 375-C, Montgomery Co., to Moore & Boyd, Hopkinsville, Ky., $44,273—P. 379-D, Jefferson Co., to Walters & Procter, Madisonville, $168,524—P. 929-E, Cocke Co., to Gambill Constr. Co., Asheville, N. C., $145,717—P. 381-C, Davidson Co., to Orr-Barnes Co., Volunteer Life Bldg., Chattanooga, $15,289—P. 282-B, Montgomery and Robinson Counties, to Marion Constr. Co., Chestnut Mound, $44,-852—P. 383-B, Giles Co., to R. E. Martin, Carthage, $176,680—P. 399-B, Bradley Co., to H. E. Wolfe Constr. Co., St. Augustine, Fla., $22,979—P. 505-A, Dickson Co., to G. Chandler, Virgilina, Va., $66,526—P. 506-A, Hamilton Co., to Mack Constr. Co., Knoxville, $79,842—P. 508-A, Hickman Co., to Jamison Bros., Highpoint, A. C., $53,051—P. 510-A, Cumberland Co., to R. B. Tyler, Inc., 1446 Levering St., Louisville, Ky., $12,-419—P. 511-A, Bledsoe Co., to S. E. Finley, 292 North Ave. N. W., Atlanta, Ga., $32,947—P. 513-A, Dickson Co., to Montgomery & Parker, Rockport, Ind., $19,302—P. 514-A, Knox Co., to Southern Constr. Co., 615 South 11th St., Birmingham, Ala., $29,057. Grand total $2,309,954. Noted July 26.

Kentucky—State Hy. Dpt., Frankfort, to Alexander Bros. & Hopkins, Cadiz, traffic bound macadam surfacing 2.278 mi. roads in Allen Co. $26,155—to H. R. Longabaugh, Louisville, traffic bound macadam surfacing 7.731 mi. Madison Co. $42,576—to J. S. Walton & Co., Brandenburg, 8.823 mi. Shelby Co. $80,896—to R. B. Tyler Co., Louisville, 8.789 mi. Montgomery Co. $54,-182—to Ashland Supply Co., Ashland, 19.582 mi. Lawrence Co. $143,537; grading 10.113 mi. Boyd Co. $111,618—to W. F. Robinson & Son, Owensboro, bank gravel surfacing 15.525 mi. Marshall Co. $46,688—to J. D. Eli & Co., Dawson Springs, 10.126 mi. Graves Co. $28,443—to N. E. Stone & Co., Madisonville, 9.656 mi. Ballard Co. $28,242; 8.558 mi. Graves Co. $23,702; rock asphalt surfacing 7.31 mi. McCracken Co. $134,661—to Corum Bros., Madisonville, bank gravel surfacing 13.858 mi. Carlisle and Ballard Counties, $35,189; grading 11.464 mi. Hopkins Co. $40,846—to Hayes Constr. Co., Jackson, Tenn., rein.-con. paving 0.687 mi. Fulton Co. $19,663—to Codell Constr. Co., Winchester, creek gravel surfacing 5.516 mi. Perry Co. $28,052; grading 3.982 mi. Carter Co. $47,165; 7.225 mi. Madison Co. $69,709; 8.721 mi. Perry Co. $155,580; 6.607 mi. Perry Co. $42,317—to Hunt Forbes Constr. Co., Ashland, 4.654 mi. Greenup Co. $63,610—to G. E. Stoner, Kuttawa, 7.663 mi. Crittenden Co. $83,790—to Southerland Bros., Clintonwood, Va., 16.489 mi. Pike and Letcher Counties, $258,-140—to S. D. Pace & Co., Burkesville, 7.024 mi. Metcalfe Co. $88,090—to Carter, Carter & Braden, Clay, 8.935 mi. Henderson Co. $50,978—to R. E. Pryor & Co., Mayfield, 6.432 mi. McCracken Co. $54,246. Grand total $1,758,074. Noted July 12.

O., Akron—Summit Co. paving 2 mi. Botzoon-Ghent Rd., 18 ft., to Canton Sand & Gravel Co., 1300 Claredon Ave. S.W., Canton, $30,306. Est. $30,000. Noted Aug. 9.

Ind., Indianapolis—Two course concrete paving Traub Ave., to A. D. Bowen, 2232 Bway., $7,804; English Ave., to W. D. Vogel, 702 West Morris St., $20,547.

Ind., Jeffersonville—Concrete paving 6th St., to H. K. Williams, New Albany, $27,156.

Ind., Newport—Vermillion Co., concrete paving E. O. Briant Rd., to O. J. Larkin, Greencastle, $21,082; South Elder Rd., to W. M. E. Layne, Crawfordsville, $47,876. Noted July 26.

Ind., Terra Haute—Vigo Co., concrete surfacing 4½ mi. Strole Rd., to J. Shepherd, Terra Haute, $121,978. Noted Aug. 2.

Mich., Detroit — Concrete curbing, one course concrete paving 83,352 sq.yd. Manor Blvd. and 6 avenues in Allen Park, to Mark R. Hanna Co., Ryan and Nevada Rds., $218,515.

Mich., Northville—Sheet asphalt on 8 in. concrete paving 2,695 ft. Linden, West, High and Wing Sts., to G. R. Cooke Co., Penobscot Bldg., Detroit, $29,336; concrete paving 3,470 ft. Center, Rogers and Fairbrooks Sts., to W. L. Dailey, Ann Arbor, $23,359.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to W. Lough & Sons, Marion, paving Randolph Co. $69,925—to Midwest Eng. Co., Mt. Vernon, Route 9, Sect. 24-G, Hancock Co. $13,724; same road, Sect. 25-G, $38,282; Route 13, Sect. 15-X, Perry Co., $30,199; same road Sect. 15-X, $12,513; Randolph Co., $52,616—to E. H. Merrick, McHenry, McHenry Co. $11,242—to D. W. Carnine, Sullivan, Douglas Co. $10,705—to W. D. Lonergan Constr. Co., Jacksonville, Livingston Co. $117,517—to C. J. Moritz, Inc., Effingham, Macon Co. $238,-361—to McMahan Constr. Co., Rochester, Ind., Route 47, Sect. 123-X, Livingston Co. $41,082, same road, Sect. 124, $131,093—to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., Peoria Co., $148,257—to Breeden Bros., Springfield, Bureau Co. $51,732—to Hartmann-Clark Bros., 930 Peoria Life Bldg., Peoria, Livingston Co., $123,390—to Everglades Constr. Co., Miami, Fla., grading Alexander Co., $217,775—to S. J. Groves & Sons Co., 506 Globe Bldg., Minneapolis, Minn., Lake Co., $6,326; Pike Co., $54,301—to Cameron-Joyce & Co., Keokuk, Ia., Randolph Co. $36,940—to Hart & Hart, Sandborn, Ind., Macon Co. $20,335. Grand total $1,483,315. Noted July 5.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to Duncan Constr. Co., Ottawa, paving in Kendall Co. $222,-086—to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., Peoria Co. $157,315; Putnam Co. $133,823; Clark and Cumberland Counties, $97,897; Stark, Peoria and Jasper Counties, $219,700—to Chicago Heights Coal Co., 27 East 19th Pl., Chicago Heights, Will and Cook Counties, $344,041—to Zolper & Sons, Mendota, Kane Co. $53,965—to E. J. Tegge Constr. Co., Papineau, La Salle Co., $24,104—to Hartman Clark Bros., 920 Peoria Life Bldg., Peoria, Fulton Co. $51,616; Fulton and Tazewell Counties, $2,772; Tazewell Co. $33,593—to Jansen & Schaefer, Inc., Pekin, Tazewell Co. $21,265—to Stevens Bros., Endicott Bldg., St. Paul, Minn., De Kalb and Kane Counties. $236,598—to McCree & Co., 315 Hackney Bldg., St. Paul, Minn., Kane Co. $139,980—to P. Simons, Quincy, Schuyler Co. $148,321—to J. I. Ransom, Strasburg, Manton Co., $224,000—to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., Hancock Co., $190,673; grading Pike Co. $53,595; Marshall Co. $51,596—to Burch Constr. Co., 2009 Madison St., Madison, Wis., Marshall Co. $59,896—$2,466,836. Noted July 12.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, paving the following streets, asphalt on 6 and 8 in. concrete, Paulina, West 61st and 87th Sts., South Oakley and South Claremont Aves., 8 in. concrete and 2 in. asphaltic concrete West 87th and Justine Sts., to R. F. Conway Co., 844 Rush St.—East 58th, East 124th, West 96th, 104th and 105th Sts., Parnell, Lafayette, Perry, South La Salle, Wentworth, Yale, Princeton, Howard, South Artesian and Campbell Aves., to American Asphalt Paving Co., 133 West Washington St.—asphalt on 6 and 8 in. concrete Fitch, Hood, Leroy, Leona, Lennox, Leggett and Lecti Aves., to Barber Paving Co.—Lakewood, North Shore, North Keeler, Kimball and North Talman Aves., and asphalt on granite block and present concrete repaving West Chicago Ave., to White Paving Co., 1375 Fullerton Ave.—Fletcher St., to J. A. Ross & Co., 4561 Armitage Ave. —8 in. concrete Gladys and

Streets and Roads (Continued)

Wrightwood Aves., to Home Paving Co., 134 North La Salle St.—Avenue F, to Calumet Coal Co., 9022 Commercial Ave.—West 105th St. and Hale Ave., to Farr Bros. Co., 356 West 111th St.—North Kolmar and Dickens Aves., to J. A. Ross & Co., 4561 Armitage Ave.—South Artesian Ave., West 101st and 102nd Sts., to Hedges Constr. Co., 64 West Randolph St.—grading, sewers, concrete paving 4 alleys, to P. J. O'Brien & Co., 4 North Cicero Ave.—2 alleys, to Paramount Constr. Co., 82 West Washington St.—5, 6, 9, 11 and 16 ft. concrete sidewalks on one and both sides West Lake and West 93rd Sts., West Chicago, Milwaukee, Wellington, Wabansia, West North and North Natchez Aves., to Banner Constr. Co.—East 34th and 135th Sts., Avenues E, K, L, N, O and Calumet Aves., to Superior Concrete Constr. Co., 133 West Washington St.—Ibsen St., Northern Hy., Oriole, Ottawa and Overhill Aves., to O. E. Brooks & Son, 6238 North West Highway—West 69th St., Champlain and Kimbark Aves., to Aldrich Constr. Co., 133 West Washington St.—West 18th and East 127th Sts., to G. Kehl Sons, 2225 North Maplewood Ave.—East 82nd St., to Biesen & Barclay—Irving Park Blvd., North Halsted St., Glenview, Hilldale, Lunt, Leland, Montrose and North Crawford Aves., to C. Schroeder, Jr., 1460 Pensacola Ave.—Lake Park St. and West Madison Ave., to A. Ricciardi, 735 South Robey St. Noted July 26.

Ill., East St. Louis—For 7 and 8 in. rein.-con. paving 12,280 sq.yd. 41st, 57th and 76th Sts., to Louis Rich, 2038 St. Clair Ave., $56,500; concrete paving Collinsville Ave., to Concord Constr. Co., 411 North 7th St., St. Louis, Mo., $18,400.

Ill., East St. Louis — Grading, curbing, concrete paving Renshaw Paving Dist., to Keeley Bros. Constr. Co., 4301 State St., $138,859. Noted Aug. 9.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Schwerm Bros., 50 Lee St., paving 1 alley $298—to J. P. Mohlberg, 818 Capitol Dr., improving East Morgan Ave., $10,450; 38th Ave. $9,028; 40th Ave. $7,336; 41st Ave. $8,119; Roder Court, $2,835; 27th St. $1,022; 39½ St. $5,762—to R. H. Gumz, 831-13th Ave., Lenox St. $1,976—to W. F. Hunt, 445 Milwaukee St., Atkinson Ave. $12,217; Morten Dr. $25,107—to A. E. Retzlaff, 868 Island Ave., 46th St. $7,025—to Bonness & Sprout, 1226-3rd St., 50th St. $2,284; Keefe Ave. $1,606—to Eastern Constr. Co., 878 Franklin Pl., 51st St. $4,043—to A. J. Koch, 1297 Cramer St., Notre Dame Court $7,016—to Czerwinski Constr. Co., 816 Clinton St., Roosevelt Dr. $18,115—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Lenox St. $11,959; Harbor Commission Rd. $5,871; Biddle St. $45,062—to J. C. Bluhm & Sons, 1299 Achilles Pl., 36th St. $7,100; 38th St. $21,010. Grand total $220,907.

Iowa—State Hy. Comn., Ames, paving 16.463 mi. Mahaska Co., to Larson Constr. Co., Des Moines, $407,851—grading 7.092 mi. Buchanan Co., to J. W. Ault, Ft. Dodge, $33,581—2.188 mi. Clayton Co., to H. Thursdale, Delhi, $10,094—2.137 mi. Howard Co., to Mulgrew & Sons Co., Dubuque, $17,761—6.57 mi. Louisa Co., to J. B. Hannahs, Keokuk, $57,596—12.542 mi. Wayne Co., to Roberts Constr. Co., Lincoln, Neb., $91,842—6.593 mi. Worth Co., to D. C. Condon, Omaha, Neb., $27,535—graveling 15 mi. Adair Co., to Falcon-Reinking, Inc., 218 Cedar Rapids Natl. Bank Bldg., Cedar Rapids, $39,435—12 mi. Adair Co., to F. Cram & Son, Des Moines, $36,366—17.39 mi. Alamakee Co., to Jones & Hiestand, Lancaster, Wis., $23,042—grading, sewers, grade crossing in Appanoose Co., to G. Cronkhite, Perry, $5,502—Fayette Co., to Kell-Halvorsen, Eagle Grove, $4,383. Grand total $754,986. Noted Aug. 2.

Ia., Davenport—City Clerk, 7 in. rein.-con. paving Spring St. and alley in McClellan Park Addition, to Star Coal & Impvt. Co., Hobson and Farragut Sts., $4,388—8 in. rein.-con. paving Hillcrest and Lincoln Aves., to W. D. Phelan, Citizens Bank Bldg., $25,114—2 in. asphalt on old base paving Fall and Pleasant Aves., to Ryan Constr. Co., Levee Front East of Government Bridge, $11,435. Grand total $40,937.

Ia., Dysart — For 7 in. rein.-con. paving 14,000 sq.yd., to Haegg Constr. Co., 1105 12th Ave. W., Cedar Rapids, $31,480. Noted July 5.

Ia., Greenfield—Adair Co., stone surfacing 15 mi. Primary Road 25, to Falcon-Reinking, Inc., 218 Cedar Rapids Natl. Bank Bldg., Cedar Rapids, $39,435.

Ia., Independence—Buchanan Co., grading 7.092 mi. Project 548-B, to J. W. Ault, Ft. Dodge, $33,581.

Ia., Iowa City—For 2½ in. brick paving 2,544 yd. and 7 in. rein.-con. paving 6,865 yd. to W. Horrabin Constr. Co., 15 East College St., $28,781.

Minnesota—State Hy. Comn., St. Paul, grading 389,000 cu.yd. F.A.P. 40, to R. P. England, Mitchell, S. D., at $0.21 per cu.yd.; 253,000 cu.yd. F.A.P. 118, to Erickson-Johnson Constr. Co., 1811 East Lake St., Minneapolis, at $0.255 per cu.yd. Noted July 26.

Minn., St. Paul—K. L. Fieseler, city purch. agt., paving Payne Ave. between bridge over Omaha Ry. and Jessamine St., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $57,695. Est. $65,000. Noted Aug. 2.

Neb., Lincoln — T. H. Berg, city clk., asphaltic concrete paving 11,435 sq.yd. Dist. 783, to Cochrane Constr. Co., 822 1st Natl. Bank Bldg., $38,851—Dists. 770 and 777, to Abel Constr. Co., 308 Terminal Bldg., $3,261 and $2,517 respectively. Grand total $44,629. Est. $40,000.

Missouri — State Hy. Comn., Jefferson City (**R. means Route**), to C. H. Atkinson Paving Co., Watertown, S. D., widening, concrete paving 0.68 mi. R. 13, Sect. 34, Henry Co. $4,591—to M. E. Gillioz, Monett, 30 ft. grading 3.996 mi. R. 65, Sect. 307-A, $30,927; 5 mi. R. 65, Sect. 307-C, $56,464; 4.857 mi. R. 65, Sect. 307-D, $40,763, all Dallas Co.—to T. G. Morris, St. Joseph, 2.571 mi. R. 46, Sect. 9, Worth Co., $41,955—to Farrell & Dubrouillet, Linn, 2.285 mi. R. 47, Sect. 16, Warren Co., $38,176—to J. M. Roark & Sons, Anderson, 1.85 mi. R. 33-A, Sect. 1, Clinton Co., $21,364—to J. L. Simmons, La Plata, 1.686 mi. R. 6, Sect. 42, Adair Co., $27,790—to Pioneer Constr. Co., Kansas City, 3.346 mi. R. 69, Sect. 300-A, $55,209; 3.043 mi. R. 69, Sect. 300-B, $22,763, Davies Co.; 3.235 mi. R. 69, Sect. 8-B, $63,348; 3.8 mi. R. 68, Sect. 8-C, $35,476, Harrison Co.—to C. P. O'Reilly Constr. Co., St. Louis, 54 ft. grading 1.919 mi. R. 2, Sect. 6, St. Louis Co., $36,536—to G. W. Condon Co., Omaha, Neb., 30 ft. grading 1.056 mi. R. 1, Sect. 309-A, $10,017; 4.899 mi. R. 1, Sect. 309-B, $49,935, Atchison Co.; 18 ft. graveling 0.37 mi. R. 10, Dunklin Co., $5,275—to Republic Constr. Co., Republic, 18 ft. graveling 0.523 mi. R. 70, Sect. 2, Iron Co. $36,630—to McGlone & Walesby, Higginsville, 3.057 mi. R. 5, Sect. 288-D, Chariton Co. $60,164—to Kelly & Underwood, Granby, 1.307 mi. R. 71, Sect. 110, McDonald Co. $35,492; 3.809 mi. R. 13, Sect. 36-B, Henry Co. $26,249—to C. Gidinsky Constr. Co., Kansas City, 3.213 mi. R. 5, Sect. 46, $18,769; 2.619 mi. R. 5, Sect. 46-A, $24,205, Cooper Co.—to E. E. Henderson, Sikeston, 0.5 mi. R. 67, Sect. 25, Butler Co. $9,152—to J. H. Stephens, Clarksburg, 3.528 mi. R. 5, Sect. 87-A, Wright Co. $10,216; 4.608 mi. R. 5, Sect. 88-A, $10,774; 4.583 mi. R. 5, Sect. 89-A, $11,216, Douglas Co.; hauling gravel for 3.763 mi. R. 28, Sect. 8-A, $4,121, 3.931 mi. R. 28, Sect. 9-A, $6,298, Maries Co.—to M. C. W. Constr. Co., Jackson, 4.062 mi. R. 25, Sect. 25-A, Cape Girardeau Co., $12,555—to J. P. Sparks, Kirkwood, for R. 47, Sect. 12, Warren Co. $6,606—to M. N. Penny, Lawrence, Kan., grading 9 and 18 ft. concrete paving 3.6 mi. R. 59, Sect. 2-A, Platte Co., $33,984. Grand total $909,989. Noted Aug. 9.

Okla., Oklahoma City—For 7 in. concrete widening 4,660 sq.yd. West 10th St., to M. A. Swatek & Co., 519½ West Main St., $26,082. Est. $26,732. Noted Aug. 9.

Okla., Tulsa—Grading, 7 in. concrete paving 15,880 sq.yd. Evanston and Delaware Sts., to H. L. Cannady & Co., 1122 South Lewis St., $46,288. Est. $60,431.

New Mexico—State Hy. Comn., Santa Fe, graveling 4.432 mi. Project 101-B, San Juan Co., to Mountain States Contg. Co., Gallup $66,252; 14.78 mi. Project 107-D, Sierra and Dona Ana Co., to Veater & Davis, Two Republics Bldg., El Paso, Tex. $236,754. Noted June 14.

Idaho—State Hy. Comn., Boise, grading, pit run graveling 5,850 cu.yd. Project 112-A, Lincoln Co., to W. Harkins, Twin Falls, $18,324; siphons, culverts, bridges on Federal Aid Project 84-C, Bingham Co., to A. G. Plant, Ontario, Ore., $17,953.

Oregon—State Hy. Comn., Salem, grading, surfacing 17.24 mi. Leburn Hill Hy., Lane Co., to J. J. Dann, 96 Mirimar St., Portland, $104,973. Est. $126,430.

Ore., Portland — City Council improving 2,800 ft. 52nd St. S. E., to J. Rebman, Portland, $31,781. Est. $34,660.

Wash., Seattle—Bd. P. Wks., paving 2nd Ave. Extension, Div. 2, to Nygren Bros., 410 Lyon Bldg., $102,780.

Calif., Martinez—Contra Costa Co., grading St. Marys Rd., to M. J. Bevanda, Savings & Loan Bank Bldg., Stockton, $25,230; grading, warrenite on asphaltic concrete paving Arlington Ave., to Calif. Constr. Co., Standard Oil Bldg., San Francisco, $61,947. Noted Aug. 23.

Calif., South San Francisco — D. McSweeney, city clk., grading, asphalt paving Eucalyptus Ave., Chestnut and Commercial Sts., to Hanrahan Co., Standard Oil Bldg., San Francisco, $43,900. Noted July 19.

Ont., Ingersoll—Concrete curbing, guttering, asphalt on concrete paving 6,000 sq.yd. Thames St., to Ontario Amiesite Co., foot Spadina Ave., Toronto. Est. $25,000.

Ont., Kingston — Oiling and sanding suburban roads, general contract, to G. C. Wright, Brock St.; sanding, to R. Roddy, Division St. Est. $25,000.

Public Bond Elections

Coming Bond Elections

Waterworks—Pier, Etc.—Hollywood, Fla., $76,000.
Waterworks—Liberty, Tex., Sept. 1, $60,000.
Paving—Odessa, Tex., Sept. 18, $55,000.

Bonds Voted

Waterworks—Petrolia, Tex., $33,000.
Sewers—Knoxville, Tenn., $2,500,000. W. W. Maynott, City Engr.
Bridge—Nashville, Tenn., $1,000,000.
Irrigation System—Hidalgo County, Tex., Pharr-San Juan-Alamo Irrigation Dist., $3,000,000. P. S. Devine, Edinburg, Engr.
Paving—Brookfield, Mo., $35,000.
Roads—Kanawha County, W. Va., Union Dist., $135,000.
Roads—Holmes County, Miss., Dists. 1 and 4, $75,000.
Roads—Noxubee County, Miss., $30,000.
Roads — Briscoe County, Tex., Silverton Dist., $40,000.
Roads—Jackson County, Tex., $80,000.
Air Port—Kansas City, Mo., $1,000,000.
Flying Field—St. Louis, Mo., $2,000,000.

Bonds Defeated

Waterworks—Kansas City, Mo., $3,500,000.
Waterworks—Sweet Springs, Mo., $100,000.
Paving—Oklahoma City, Okla., $31,477.
Traffic Ways—Kansas City, Mo., $5,500,000.

Buildings—Commercial

Proposed Work

N. H., Claremont—COURT HOUSE and POLICE STATION—Town, A. L. Fitch, selectman, court house and police station, Broad St. $150,000. Engineer and architect not selected.

Conn., Newton—HALL—Town plans by Sunderland & Watson, 248 Main St., Danbury, Conn., 2 story, basement, 120 x 145 ft., brick, tile, plain found. $250,000.

Conn., Stamford—OFFICE and GARAGE—South New England Telephone & Telegraph Co., 175 Church St., New Haven, plans by R. W. Foote, 185 Church St., New Haven, brick, steel, concrete, Jefferson St. $150,000.

N. Y., Albany—SERVICE STATION and SALESROOM — Livermore-Traendly, Inc., 351 Central Ave., soon takes bids 4 story, steel, concrete, Chapel, Crange and Monroe Sts. $250,000. Parklap, Inc., 1333 12th St., Detroit, Mich., industrial engrs.

N. Y., Brooklyn — APARTMENTS — Amato Building Corp., 50 Court St., plans by P. Freshman, 50 Court St., fifteen 3 story, 20 x 81 ft., brick, timber, Bay Ridge and 8th Ave. $150,000.

N. Y., Brooklyn—APARTMENTS—J. F. Churlo Corp., 132 Highlawn Ave., six 4 story, 26 x 83 ft. apartments, Avenue S and West 10th St., $210,000; one 4 story apartment, Avenue S and West 11th St., $50,000. V. S. Todaio, 190 12th St., archt.

N. Y., Brooklyn—APARTMENT—Carroll Park View Realty Corp., L. Posner, secy., 611 Empire Blvd., plans by Cohn Bros., 361 Stone Ave., 6 story, 111 x 180 ft., brick, timber, Carroll St. and Washington Ave. $650,000.

N. Y., Brooklyn — APARTMENTS — Ditoll Contg., T. Dicicco, 300 East 61st St., plans by P. M. Coco, 433 Steinway Ave., Long Island City, two 5 story, 57 x 60 ft., brick, timber, Avenue C, East 9th St., and Coney Island Ave. $150,000.

N. Y., Brooklyn — APARTMENT — Fifteenth Ave. and 57th Street Corp., F. R. Klaw, pres., 19 West 34th St., New York, plans by McManus & Griffiths, 11 East 42nd St., New York, 6 story, 87 x 140 ft., brick, timber, 15th Ave. and 57th St. $280,000.

N. Y., Brooklyn — APARTMENT — A. Frankel, 55 West 42nd St., New York, plans by B. W. Dorfman, 66 Court St., 6 story, 77 x 100 ft., brick, timber, Ocean Ave. $150,000.

N. Y., Brooklyn — APARTMENT — Jack Corner, Inc., 16 Court St, plans by M. Rothstein, 186 Remsen St., 6 story, 109 x 159

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Buildings—Commercial (Continued)

ft., brick, timber, Ditmars Ave. and East 22nd St. $325,000.

N. Y., Brooklyn—APARTMENT—Karfel Building Corp., H. Lefrack, pres., 677 Crown St., plans by Kavy & Kavovitt, 360 Stone Ave., 4 story, 90 x 120 ft., brick, timber, Lenox Rd. and 55th St. $150,000.

N. Y., Brooklyn—APARTMENT—Krysler Building Corp., J. Seigemeister, pres., 577 East 96th St., plans by J. Fein, 1773 Pitkin Ave., brick, timber, Clarkson Ave. and East 53rd St. $150,000.

N. Y., Brooklyn — APARTMENT — One Thousand Five Ninety-Four Park Pl. Realty Corp., S. Forman, pres., 522 Van Siclen Ave., plans by J. J. Millman, 26 Court St., 6 story, 90 x 200 ft., brick, timber, 68th St., 19th and Bay Ridge Aves. $450,000.

N. Y., Brooklyn — APARTMENT — D. Solomon, 1 Grace Court, plans by M. E. Freehof, 415 Lexington Ave., 9 story, 74 x 75 ft., brick, steel, Pierrepont and Willow Sts. $400,000.

N. Y., Brooklyn—APARTMENT—Slow & Glass, Inc., 922 45th St., plans by Ricca & Ungarleiedr, 186 Remsen St., 4 story, 90 x 90 ft., brick, steel, Elton St. and New Lots Ave. $175,000.

N. Y., Brooklyn—HOSPITAL—Harlow Realty Corp., I. Bloom, pres., 50 Court St., plans by S. I. Malkind, 93 Court St., 4 story, 38 x 139 ft., brick, Kings Highway and East 26th St. $200,000.

N. Y., Brooklyn—STORE and APARTMENT—Granite Constr. Co., T. Exarhahis, pres., 5005 Beverly Rd., plans by J. W. Cytrgn, 1777 Pitkin Ave., 6 story, brick, steel, Rockaway Parkway and Church Ave. $250,000.

N. Y., Buffalo—WELFARE—Erie Co., bids in fall, 6 story (ultimately 8 or 9 story), brick, steel, Terrace St. between Eagle and Church Sts. $500,000. Bacon & Lurkey, 991 Main St., archts.

N. Y., Jamaica — OFFICE — Brooklyn Union Gas Co., H. Kirkham, 176 Remsen St., Brooklyn, bids in November, 3 story, rein.-con., 8976 162nd St. $175,000. Private plans.

N. Y., New York—APARTMENT—One Hundred Seven West 86th Street Realty Corp., G. Conrad, pres., 250 West 57th St., plans by J. M. Felson, 250 West 57th St., 80 x 180 ft., brick, steel, 105 West 86th St. $850,000.

N. Y., New York—APARTMENT—Three Hundred Two East 79th Street Corp., A. S. Baker, pres., 345 Madison Ave., plans by J. H. Felson, 250 West 57th St., 16 story, 82 x 169 ft., brick, steel, 302 East 79th St. $1,000,000.

N. Y., New York — COURT HOUSE — Dpt. P. Buildings, Municipal Bldg., soon takes bids 3 story, 64 x 104 ft. court house, McClellan St. and Grand Concourse. $200,000. M. Hausle, 3307 3rd Ave., archt. Noted July 26.

N. Y., New York—GARAGE—Lighthill Corp., c/o T. A. Meyer, archt., 150 East 41st St., New York, plans by T. A. Meyer, 150 East 41st St., 15 story, brick, steel, 319 East 39th St. $750,000.

N. Y., New York—HOSPITAL—Midtown Hospital, D. Hope, in charge, 227 East 57th St., bids in October, general contract 6 story, brick, 309 East 49th St. $300,000. Kohn & Butler, 56 West 45th St., archts.

N. Y., New York—HOTEL—West 49th Street Constr. Corp., C. H. Darmstadt, 352 West 43rd St., plans by H. I. Feldman, 415 Lexington Ave., 16 story, 90 x 100 ft., brick, steel, 137 West 49th St. $1,250,000.

N. Y., New York — OFFICE — Two Hundred Seventy Bway. Co., R. E. Dowling, pres., bids late in October, general contract 28 story, brick, steel, Bway. and Chambers St. $2,500,000. E. H. Faile & Co., 441 Lexington Ave., archt.

N. Y., St. George—HOSPITAL—Richmond Memorial Hospital, Princess Bay, plans by R. W. Gardner & W. Hoffman, 26 Bay St., 2 story, 42 x 130 ft., brick, Seguine Ave. and Melville St. $150,000.

N. J., Atlantic City—APARTMENT—C. F. Wahl, c/o V. B. Smith, archt., Guarantee Trust Bldg., will not construct 6 story, basement, brick, steel, plain found., 33 South Penna. Ave. Project abandoned. Noted Aug. 16.

N. J., East Orange—MEDICAL—Aetna Realty Co., H. Levy, 31 Wayne Ave., plans by W. E. Lehman, 972 Broad St., Newark, 10 story, basement, brick, steel, plain found., Main St. $1,000,000. Noted Aug. 9.

N. J., Hoboken—APARTMENT—Marlboro Co., J. J. O'Leary, pres., 730 Hudson St., plans by F. W. Fisher, 68 Hudson St., 8 story, basement, brick, steel, plain found., Washington St. between 10th and 11th Sts. $500,000. Noted Aug. 9.

N. J., Irvington (br. Newark)—GARAGE—Oakland Purchasing Co., c/o R. Nordin, archt., 14 Park Pl., Newark, 1 story, basement, 100 x 200 ft., brick, steel, rein.-con., 316-18 Coit St. $150,000.

N. J., Jersey City—APARTMENT—The 35 Kensington Ave. Corp., 35 Kensington Ave., plans by C. Shilowitz, Labor Bank Bldg., 5 story, basement, 50 x 100 ft., brick, steel, plain found., 35 Kensington Ave. $150,000.

N. J., Jersey City—APARTMENTS—C. Zerman, 157 Harrison St., East Orange, two 5 story, basement, 117 x 129 ft., brick, steel, plain found., 252-78 Harrison Ave. $1,000,000. Private plans. Noted Aug. 16.

N. J., Jersey City—MEDICAL—Syndicate, c/o W. Freile, 25 Tonnelle Ave., 10 story, basement, 100 x 100 ft., brick, steel, plain found., Tonnelle and Sip Aves. $1,500,000. Private plans. Noted Mar. 1.

N. J., Lyndhurst (br. Rutherford)—OFFICE and STORE—Cwner c/o F. P. Friedman, archt., 395 Springfield Ave., Newark, sketches 2 story, basement, 50 x 200 ft., brick, steel, plain found., Stuyvesant Ave. $150,000.

N. J., Newark—HOTEL—Bowman Biltmore Hotel Corp., c/o Hotel Development Serv., 369 Lexington Ave., New York, sketches by Thomas, Martin & Kilpatrick, 1600 Walnut St., Phila., Pa., 20 story, basement, brick, steel, plain found., South Broad St. near Lincoln Park. $1,500,000. Noted May 3.

N. J., North Caldwell (br. Caldwell) — MUNCIPAL—Bd. Boro Council, 2 story, basement, brick, steel, municipal building and athletic field. $150,000.

N. J., Orange—APARTMENT—Scotland Arms, Inc., Scotland Rd., plans by M. Villanneva, 604 Central Ave., East Crange, 5 story, basement, brick, steel, plain found., Vose Ave. and Whitehall Pl. $150,000.

N. J., Palisades Park—APARTMENT and STORE — One Hundred Eighty-Six to Eighty-Eight Columbus Ave., Corp., G. W. Sasse, 2096 8th Ave., New York, 5 story, basement, brick, steel, plain found., Broad Ave. $200,000.

Pa., Phila.—CHEMICAL LABORATORY—Austin Co., engrs., 1015 Chestnut St., soon lets contract 3 story, basement, 30 x 60 ft., rein.-con., brick, plain found., 3rd and Somerset Sts., for E. F. Houghton Co., 240 West Somerset St.

O., Mansfield—BANK and OFFICE—Richland Savings Bank, soon lets contract 7 story, basement, 62 x 108 ft., brick, steel, rein.con. $750,000. Althouse & Jones, Market Bldg., archts. Weary & Alford, 1923 Calumet St., Chicago, Ill., consult. archts.

Ia., Winterset — HOSPITAL — Greater Community Hospital Assn. sketches by Vorse, Kraetsch & Kraetsch, 1201 Commonwealth Bldg., Des Moines, 4 story, basement, 45 x 96 ft., rein.-con., brick, stone, West Filmore St. $600,000.

Neb., Lincoln—HOSPITAL—Bryan Memorial Hospital, c/o A. R. Talbot, pres., 2001 B St., sketches by Meginnis & Schaumberg, 614 Federal Trust Bldg., 1 and 2 story, rein.-con., brick, stone, 48th and Sumner Sts. $300,000.

Neb., Omaha—BUS TERMINAL—Union Bus Depot, c/o D. A. Baum, 231 City Natl. Bank Bldg., sketches 2 story, basement, 100 x 180 ft., rein.-con., brick, 16th and Jackson Sts. $250,000. Noted Aug. 23.

Neb., Omaha—POOR HOUSE—Douglas Co., G. Berger, clk., sketches by J. Latenser & Sons, Peters Trust Bldg., rein.-con., brick, stone. $165,000.

Tex., El Paso—MEDICAL ARTS and GARAGE—C. N. Bassetts, c/o State Natl. Bank Bldg., plans by Trost & Trost, Two Republics Bldg., 12 story, 50 x 120 ft., rein.-con., brick, steel, Texas and Stanton Sts. $500,000.

Tex., Pampa — COURTHOUSE — Comrs. Gray Co., T. M. Wolfe, judge, rejected bids Aug. 13, 4 story, part basement, 86 x 120 ft., brick, steel, concrete pile found. $300,000. Will readvertise. W. R. Kaufman, 1007 Monroe St., Amarillo, archt. Noted Aug. 2.

Ore., Portland — STORAGE — M. Olsen Transfer Co., 247 Pine St., plans by R. W. Hoesack, Portland, 3 story, basement, 70 x 90 ft., rein.-con., solid rock found., Washington and 22nd Sts. $150,000.

Calif., Long Beach—STORE—H. A. Marti & Co., c/o Meyer & Holler, archts., Wright-Callendar Bldg., Los Angeles, 4 story (ultimately 5 story), 150 x 150 ft., rein.-con., steel, 4th St. and Pine Ave. $500,000.

Calif., Los Angeles—HOTEL—Owner, c/o Schilling & Schilling, archts., Farmers & Merchants Bank Bldg., Long Beach, sketches 6 story, basement, Bway. and Linden Ave. $250,000.

Calif., Los Angeles—MARKET—Owner, c/o D. McFarland, archts., 519 10 St., Azusa, part 1 and 4 story, 230 x 500 ft., rein.-con., Fountain Ave. $175,000.

N. Y., New York — APARTMENTS — See "Contracts Awarded."

Ont., Hamilton—EXCHANGE—Bell Telephone Co., soon takes bids Hugh Baker Exchange, Jackson St. $750,000.

Ont., Hamilton—HOTEL, STORE and BUS TERMINAL—Royal Hotel & Terminal Co., 327 James St. S., plans by F. G. Rodgholm, 321 Bloor Bldg., Toronto, 14 story, basement, 187 x 330 ft., rein.-con., brick, stone, steel, James St. N. $3,000,000. Noted July 12.

Ont., Ottawa — RESEARCH — Dpt. P. Wks., Parliament Bldgs., plans by Sproatt & Rolph, 1162 Bay St., Toronto, rein.-con., brick, steel, plain found., Sussex St. $750,000.

Ont., Toronto — OFFICE — Wellington Building Corp., c/o Baldwin & Green, archts., 26 Bloor St. W., 11 story, basement, 8 x 160 ft., rein.-con., brick, steel, stone, plain found., Wellington St. $500,000. Noted June 28.

Ont., Walkerville — WAREHOUSE — International Terminal Ltd., A. H. Wilford, mgr., Bartlett Bldg., Windsor, 6 story, 132 x 800 ft., rein.-con. terminal warehouse and docks. $2,000,000. A. W. Connor, 701 Metropolitan Bldg., Toronto, engr.

Bids Desired

Mass., Fall River—STORE and OFFICE—Aug. 31 (extended date), by Burke & Davis, North Main St., and D. Shapiro, archt., Globe Bldg., 4 story, brick, steel, rein.-con., North Main and Granite Sts. $150,000. Noted Aug. 9.

Mass., Hingham—TEMPLE—Old Colony Lodge A. F. & A. M., J. I. Botting, taking bids 1 story, basement, brick, stone, granite, plain found. Est. $150,000. T. M. James Co., 3 Park St., Boston, archt. Noted Aug. 9.

Mass., Mansfield — THEATRE and STORE—Acme Trust Co., c/o J. Meyer, 84 State St., Boston, taking bids 70 x 162 ft., brick. $150,000.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—LOFT and FACTORY—H. J. Nurick, archt., 44 Court St., taking bids general contract 6 story loft and factory, Trautman and Cypress Sts., for V. LaRosa & Son, Inc., 9 Wyckoff Ave. $250,000.

N. Y., Brooklyn—HOSPITAL—P. Morris Erickson, archt., 885 Flatbush Ave., taking bids 4 story hospital, 13-19 Winthrop St., for Midwood Sanitorium. B. D. Harrington, 19 Winthrop St. $150,000.

N. Y., Buffalo—HOSPITAL—Oct. 11, by Commissioner Mental Hygiene, Capitol, Albany, Reception Hospital, at Buffalo State Hospital.

N. Y., Central Islip—HOSPITAL—Oct. 10, by Dpt. Mental Hygiene, Capitol, Albany, patients accomodations at Central Islip State Hospital. Noted June 7.

N. Y., Kings Park — LABORATORY — Sept. 19, by Dpt. Mental Hygiene, Capitol, Albany, laboratory for Kings Park State Hospital; adv. E. N.-R. Aug. 30. Noted July 12.

N. Y., New York — APARTMENT-HOTEL — Sailor's Snug Harbor, 262 Green St., taking bids 9 story apartment hotel, 58 East 10th St. $1,000,000. Helmle, Corbett & Harrison, 130 West 42nd St., archts.

N. Y., New York — HOTEL, OFFICE, etc. — Salvation Army, 120 West 14th St., bids about Sept. 5, 17 story, 103 x 150 ft., brick, steel, 123 West 13th St. $1,500,000. Voorhees, Gmelin & Walker, 101 Park Ave., archts. Noted May 31.

N. Y., New York—LOFT and OFFICE—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Orangeburg—HOSPITAL—Oct. 10, by Dpt. Mental Hygiene, Albany, buildings and tunnels, Rockland State Hospital. Noted July 12.

N. Y., Poughkeepsie—INFIRMARY, etc.—Sept. 19, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, infirmary, nurses home, staff accomodations and apartments, at Hudson River State Hospital. Noted June 7.

N. Y., Rochester—STAFF—Sept. 26, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, staff and employees building, Rochester State Hospital.

N. Y., Sonyea—HOSPITAL—Oct. 10, by Dpt. Mental Hygiene, Capitol, Albany, completing Peterson's Hospital, Craig Colony.

N. Y., Syracuse—HOSPITAL—Oct. 11, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, Psychiatric Hospital. Noted June 7.

N. Y., Thiells—SERVICE—Sept. 6, by Dpt. Mental Hygiene, Capitol, Albany, addition, Letchworth Village; adv. E. N.-R. Aug. 30.

N. J., Cliffside Park (br. Cliffside)—THEATRE—H. B. Crosby, archt., 125 Ellison St., Paterson, bids about Oct. 1, general contract 2 story, basement, brick, steel, Anderson Ave. and Gorge Rd. $150,000.

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Buildings—Commercial (Continued)

N. J., East Orange—APARTMENT and GARAGES—See Contracts Awarded."

N. J., Elizabeth — WAREHOUSE and STORAGE—G. F. Bial, archt., 145 Summit Ave., Union City, bids about Oct. 1, general contract 5 story, basement, 240 x 260 ft., brick, steel, rein.-con., plain found., 651-671 South Front St., for Bayway Terminal Co., South Front St., $200,000. Noted June 14.

N. J., Hackensack—APARTMENT—See "Contracts Awarded."

N. J., Newark — GARAGE — G. Jones, archt., 24 Commerce St., bids about Sept. 1, 7 story, basement, 52 x 116 ft., brick, steel, rein.-con., plain found., 65-67 Clinton St., for Clinton St. Garage, Inc., 247 Market St. $200,000. Noted Aug. 16.

N. J., Newark — STORAGE WAREHOUSE — W. O. Bartlett, archt., 738 Broad St., bids about Oct. 1, general contract 3 story, basement, brick, steel, plain found., North 5th St., for H. B. Salmon Co., 357 Grafton Ave. $150,000.

N. J., Orange — BUSINESS — Ramona Realty Co., c/o H. Baechlin, archt., 665 Broad St., Newark, taking bids general contract 2 story, basement, brick, steel, plain found., 273-77 Main St. $150,000.

Pa., Danville — TUBERCULOSIS COTTAGE — Sept. 11, by Danville State Hospital, 1 story, basement, 31 x 221 ft. tuberculosis cottage, 2 story, basement, 36 x 98 ft. female help building, brick, steel, plain found. F. A. Rianhard, Masonic Temple, Williamsport, archt.

Pa., Phila.—APARTMENT and GARAGE —J. Sidewater, Real Estate Trust Bldg., taking sub-bids 4 story, basement, 100 x 100 ft., rein.-con., brick, steel, plain found., 72nd St. and Theodore Ave. Harrison Borber, 1032 North 67th St., archts.

Pa., Phila. — THEATRE — Aug. 31, by Hoffman-Henon Co., archts., Finance Bldg., 1 story, balcony, basement, 121 x 243 ft., rein.-con., brick, steel, plain found., Frankford Ave. and Ovington Rd., for Mercantile & Theatre Properties Co., Inc., c/o J. Bernhard, 13th and Chestnut Sts.

Ga., Atlanta—OFFICE—Sept. 15, Pringle & Smith, archts., 1012 Norris Bldg., 20 story, basement, 2 story attic, 62 x 85 x 95 ft., brick, steel, rein.-con., Peachtree, Williams and Forsyth Sts., for Rhodes Hoverty Investment Co. $750,000.

La., Shreveport — AUDITORIUM—Sept. 27, by L. E. Thomas, mayor, 2 story, balcony, rein.-con., steel, brick, Grand Ave. and Renold St. $500,000. Jones, Roessle, Olschner & Weiner, Ardis Bldg. and S. Van Os., Merchants Bldg., associated archts. Noted Oct. 20.

O., Cincinnati—APARTMENT—Colonial Realty Co., 30 Commerce Bank Bldg., taking bids 3 story, basement, brick, apartment. $150,000. E. G. Hoefler, B. F. Keith Bldg., Cleveland, archt.

Mich., Ann Arbor—BANK and OFFICE—Pond & Pond, Martin & Lloyd, archts., 180 North Michigan Ave., Chicago, Ill., bids about Sept. 3, 10 story, basement, Main and Huron Sts., for Ann Arbor Savings Bank. $1,000,000. Noted June 28.

Ill., Chicago — APARTMENT — H. H. Schoenlank, 1526 Pratt Blvd., taking bids 6 story, basement, 50 x 197 ft. site, 517-19 Oakdale Ave. $475,000. M. L. Bein & Co., 64 West Randolph St., archts.

Mo., Carthage — HOSPITAL — Carthage Hospital Assn., S. McReynolds, pres., bids about Nov. 15, 3 story, basement, 45 x 150 ft., rein.-con., brick, stone. $150,000. Hoener, Baum & Froese, 3605 Laclede Ave., St. Louis, archts. Noted July 19.

Mo., St. Louis—STORE and LOFT—See "Contracts Awarded."

Calif., Los Angeles — STORE and OFFICE — Schulte-United, Inc., Chain Stores, 485 5th Ave., New York, taking bids 4 story, basement, 50 x 100 ft., rein.-con., brick, 529-31 South Bway. $150,000. Walker & Eisen, Western Pacific Bldg., archts.

Calif., Marysville — LODGE — Dean & Dean, archts., Calif. Life Bldg., Sacramento, taking bids and open same about Sept. 1, 2 story, 100 x 160 ft., rein.-con., brick, steel, plain found., for B.P.O.E. Lodge. $100,000.

Calif., Oroville—LODGE and SOCIAL—B.P.O.E. plans by Starks & Flanders, Forum Bldg., Sacramento, and takes bids about Sept. 1, 3 story, basement, 100 x 120 ft., rein.-con., brick, plain found. $150,000.

Calif., Sacramento—BANK—Sept. 5, by Bank of Italy, G. W. Peltier, vice-pres., 2 story, basement, 100 x 120 ft., rein.-con., steel addition, plain found., 8th and J Streets. $200,000. J. W. Minton, Bank of Italy Bldg., archt. Noted July 26.

Ont., Toronto—OFFICE—Sept. 1, by F. H. Wilkes, archts., 96 Bloor St. W., 17 story, basement, 98 x 220 ft., rein.-con., brick, steel, plain found., Bay and Adelaide Sts., for Canada Permanent Mortgage Corp., 14 Toronto St. $1,000,000. Mathers & Haldenby, 96 Bloor St. W., associated archts. Sproatt & Rolph, 1162 Bay St., consult. archts.

Contracts Awarded

Mass., Boston—STATION—New York, New Haven & Hartford R.R. Co., South Sta., rebuilding Back Bay Station, 3 story, steel, rein.-con., limestone, Dartmouth St., to Trednick-Billings Co., 10 High St. Est. $150,000 or more.

R. I., Woonsocket—CITY HALL—City, by Pub. Building Dept., 3 story, 75 x 100 ft., brick, stone addition, to R. Drouin, 372 Elm St. Est. $150,000. Noted Aug. 9.

Conn., Greenwich—THEATRE—Lincoln Theatrical Enterprises, Inc., S. Bratter, pres., 972 Broad St., general contract 1 story, basement, brick, steel, plain found., Boston Post Rd., to W. J. MacEvoy Constr. Co., 85 Academy St. Est. $750,000.

Conn., Stamford—COMMUNITY—Stamford Hebrew Institute, Inc., 137 Greyrock St., 3 story, basement, brick, stone, steel, Prospect St., to Genovese & Rich, Washington Bldg. Est. $150,000. Noted July 26.

N. Y., Brooklyn—APARTMENT—Macroy Realty Corp., R. J. MacCabe, pres., 51 Chambers St., New York, brick, steel, State and Bond Sts., separate contracts. $150,000. M. A. Cantor, 66 Court St., archts.

N. Y., Brooklyn—HOTEL—Clark-Henry Corp., 119 West 40th St., New York, 24 story, brick, steel, 101 Hicks St., to Bing & Bing, 119 West 40th St. Est. $2,000,000. Noted Apr. 5.

N. Y., New York—APARTMENTS—S. Ageloff, 26 Court St., Brooklyn, two 12 story, Indiana limestone and terra cotta, 125 x 194 ft. site, Avenue A between 3rd and 4th Sts., to Fredburn Constr. Corp., 7 East 44th St. Est. $2,500,000.

N. Y., New York — APARTMENTS — Shalex Realty Co., S. Shapiro, pres., 565 Tremont Ave., 6 story, 87 x 180 ft., 117 Bennett Ave., $550,000, and 6 story, 27 x 155 ft., 105 Bennett Ave., $450,000, both brick, timber, separate contracts. Noted Aug. 9.

N. Y., New York—HOTEL and STORE—Mathew Byrne Estate, 120 Bway., altering 12 story, 75 x 150 ft., brick, steel, 539 5th Ave., to J. Schlesinger, Inc., 110 West 40th St. Est. $500,000. Noted July 12.

N. Y., New York—LOFT and OFFICE—Spring Sixth Corp., 160 Varick St., 15 story, loft and office, Spring St. and 6th Ave., separate contracts. $500,000. V. Mayper, 15 East 40th St., New York, archt.

N. Y., New York — OFFICE — G. L. Ohrstrom, 44 Wall St., 30 story, brick, steel, Madison Ave., 47th and 48th Sts., to G. A. Fuller Co., 949 Bway. Est. $2,000,000. Contractor now taking bids on separate contracts.

N. Y., New York—STORE and OFFICE —Twenty-Five West 46th Street Corp., S. Stern, pres., 31 East 27th St., 15 story, brick, steel, 21 West 46th St., separate contracts. $600,000. W. C. Sommerfeld, 31 Union Sq., archt.

N. J., East Orange—APARTMENT and GARAGES—D. K. Constr. Co., 116 Market St., Newark, 4 story, 104 x 135 ft., brick, steel, plain found., 112 Lincoln St., separate contracts. $200,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted Aug. 23.

N. J., Fort Lee — BORO HALL — Bd. Boro Council, Boro Hall, general contract 3 story, basement, 75 x 102 ft., brick, steel, Center and Main Sts., to F. W. Bogert, Fort Lee Rd., Bogota, $135,800. Noted Aug. 9.

N. J., Hackensack—APARTMENT—J. C. Person Constr. Co., Inc., 15 Park Row, New York, 4 story, basement, 75 x 100 ft., brick, steel, plain found., Prospect Ave. and Atlantic St., separate contracts. $150,000. Private plans.

N. J., Montclair—HOSPITAL—Montclair Community Hospital, 120 Harrison Ave., general contract 3 story, basement, 36 x 134 ft., brick, steel, plain found., to J. J. McNamara, 43 Walnut Crescent. Est. $300,000. Noted Aug. 9.

N. J., Newark—STORE and MERCANTILE—Forty-Three William St. Corp., c/o Roth & Schlenger, 29 William St., general contract 2 story, basement, 121 x 127 ft., brick, steel, rein.-con., plain found., 43 William St., to Standard Constr. Co., 972 Broad St. Est. $150,000.

N. J., Weehawken—BANK—J. T. Rowland, Jr., archt., 30 Journal Sq., Jersey City, general contract 2 story, basement, brick, steel, 4th St., to J. Mitchell, Inc., 24 Journal Sq., Jersey City, for Park Trust Co., 656 Park Ave. Est. $150,000. Noted Aug. 2.

N. C., Greensboro — STORE — United Cigar Stores, Greensboro, and 44 West 18th St., New York, 2 story, basement, 100 x 137 ft., limestone, marble, glass, copper, South Elm St., to W. Kiddie, Greensboro, $200,000.

La., Monroe—HOTEL—Harrison Building Co., c/o N. Kalil & Sons, 439 Desiard St., general contract 7 story, 40 x 120 ft., rein.-con., brick, steel, 5th and Desiard Sts., to J. H. Reddick, Kennedy Bldg., Fort Smith, Ark., $198,950. Noted July 12.

Tenn., Memphis — BANK — Federal Reserve Bank of St. Louis, Memphis Branch, W. H. Glasgow, managing dir., 2 story, basement, 80 x 100 ft., stone, 24,000 sq.ft. floor space, Jefferson Ave. and North 4th St., to H. J. Gilbertson Constr. Co., Graham Bldg., $275,000.

Ky., Louisville—WAREHOUSE—D. X. Murphey & Bro., archts., Louisville Trust Bldg., general contract 9 story, basement, 85 x 203 ft., rein.-con., brick, steel, to H. A. Doll Co., 1114 Lexington Rd., $116,000; steel contract, to McClintock Marshall Co., Chicago, $90,000, for H. Vogt Machine Co., 10th and Ormsby Sts. Noted Aug. 2.

O., Cleveland—APARTMENT—C. Bernstein, 810 Sweetland Bldg., 2 story, basement, 140 x 140 ft., brick, timber, South Moreland Blvd., to W. Dolin, Sweetland Bldg. Est. $150,000. Noted June 28.

O., Columbus—RETAIL STORE—Montgomery Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., 3 story, 83 x 88 ft., concrete, terra cotta, to Boyajohn & Barr, Main and Front Sts. Est. $500,000. Noted June 26.

Ill., Chicago—APARTMENT—Syndicate, c/o E. A. Claar & Co., 1400 Lake Shore Dr., general contract 20 story, basement, 85 x 155 ft., to Amer. Building Constr. Co., Room 2212, 11 South La Salle St. Est. $3,000,000. Noted July 5.

Wis., Wautoma — COURT HOUSE — Waukesha Co., J. J. Johnson, clk., general contract 3 story, basement, 50 x 114 ft., to J. P. Cullen & Son, Janesville, $98,000.

Mo., Springfield — MEDICAL ARTS — Medical Arts Building Assn., H. S. Schneider, pres., 8 to 10 story, rein.-con., brick, Pershing and South Aves., to Gilsonite Contg. Co., Athletic Bldg., Dallas, Tex.

Mo., St. Louis — STORE and LOFT — Burdeau Realty Co., 801 Chestnut St., 2 story, basement, 75 x 109 ft., rein.-con., brick, terra cotta, 23rd and Pine Sts., separate contracts. W. S. Frank, 949 Century Bldg., archt.

Colo., Denver — SERVICE, WAREHOUSE, GARAGE—Shankland, Ristine & Co., consult. engrs., Boston Bldg., 2 story service building and warehouse, to F. H. Cowell, Central Savings Bank Bldg., garage, to Mead & Mount Constr. Co., 1st Natl. Bank Bldg., structural steel, to Mineapolis Steel & Mchy. Co., 1600 15th St., plumbing to Midwest Plumbing & Heating Co., 2055 Champa St., for Pub. Serv. Co. Est. $530,000.

Calif., Los Angeles — APARTMENT — Hope Street Associates, 6 story, basement, 50 x 185 ft., rein.-con., to G. G. Stuart, 5119 Avalon Blvd., $200,000. Noted July 19.

Calif., Los Angeles—STUDIO STAGE—Fox Film Corp., 10099 Fox Hills Dr., 80 x 215 ft., rein.-con., Fox Hills Dr., to G. E. Miller, 1401 North Western Ave., $150,000.

Calif., Olive View — HOSPITAL — Los Angeles Co. (Los Angeles) rein.-con. tubercular hospital, to P. J. McDonald Co., 1800 Industrial St., Los Angeles, $187,452. Noted June 14.

Calif., San Francisco—APARTMENT—Nine-Hundred Forty-Four Chestnut St., Inc., c/o C. Werner, archt., Phelan Bldg., 12 story, basement, Chestnut St. near Larkin Ave., day labor and segregated contracts. $350,000 or more.

Ont., Toronto—HOTEL—Canadian Pacific Ry., Windsor Sta., Montreal, Que., general contract 17 story, basement, 136 room, rein.-con., brick, steel, stone addition, plain found., Front St., to Anglin-Norcross, Temple Bldg. Est. $1,000,000.

Buildings—Industrial

Proposed Work

N. Y., New York—ELECTRIC POWER PLANT—New York Edison Co., J. W. Lieb, vice-pres., 130 East 15th St., extending electrical galleries and turbine rooms, 701 East 14th St. $1,850,000. T. E. Murray, 55 Duane St., engr.

N. Y., New York—FACTORY, LOFT and RESTAURANT—J. R. Thompson, Co., Inc., 350 North Clark St., Chicago, Ill., plans by Garrett & Couchois, 29 West 34th St., altering 7 story, 27 x 84 ft., brick, timber, 414 Bway. $50,000.

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Buildings—Industrial (Continued)

N. Y., New York — FACTORY, LOFT, STORE, etc.—Trinity Corp., 52 Wall St., plans by V. Mayper, 15 East 40th St., 15 story, 100 x 125 ft., brick, 234 Spring St. $800,000.

N. Y., New York—LOFT and STORAGE —Mosaic Tile Co., R. Harrold, pres., 327 West 42nd St., plans by F. S. Parker, 119 West 57th St., 8 story, brick, steel, 643 West 41st St. $100,000.

N. Y., New York—MANUFACTURING, LOFT and STOREROOM—Bertgun Holding Corp., 493 East 173rd St., J. Klein, pres., plans by B. H. Whinston, 6 East 46th St., 14 story, 50 x 98 ft., brick, steel, 353 West 37th St. $350,000.

N. J., Hammontown—REFRIGERATION and COLD STORAGE PLANT — New Jersey Canners Corp., c/o Edwards & Green, archts., 548 Federal St., Camden, 2 story, basement, 100 x 450 ft., brick, steel, plain found., $100,000.

N. J., Jersey City—BAKERY—Vietmeyer Bros., Inc., 175 Sherman Ave., sketches by W. Neuman, 40 Journal Sq., 2 story, basement, brick, steel addition, plain found. $50,000.

N. J., Union—ICE PLANT—Central Atlantic Ice Co., Park Ave., Summit, 1 story, brick, steel, plain found., Grandview Ave. $80,000. Private plans.

D. C., Wash.—PLANT—Joseph Phillip Sausage Co., 10 Wholesale Row, sketches by Henschien & McLearen, 637 Prairie Ave., Chicago, Ill. meat plant, Patterson Tract N.E. $200,000.

Fla., Jacksonville—PLANT—Wilson & Toomer Fertilizer Co., B. W. Haynes, pres., 260 x 520 ft. plant addition. $75,000.

O., Cleveland—FACTORY and OFFICE—Euclid-East 65th Co., c/o I. W. Shenker, secy.-treas., Engineers Bldg., plans by Braverman & Havermalt, Ulmer Bldg., 4 story, basement, 68 x 100 ft., rein.-con., brick, steel, East 65th St. and Euclid Ave. $80,000. McNally-Doyle Co., East 65th St. and Euclid Ave., lessee. Noted June 28.

Mich., Pleasant Ridge (Royal Oak P. O.) —BAKERY—Boettger Baking Co., 1 story, part basement, 90 x 240 ft., rein.-con., brick, steel, plain found. $75,000. W. E. Long Co., 155 North Clark St., Chicago, Ill., engrs.

Ill., Chicago — FACTORY — Francisco & Jacobus, archts., 511 5th Ave., New York, bids latter part September, general contract brick addition, 900 Ogden Ave., for Container Corp. of America, W. Peapeck, pres., 111 West Washington Ave. $1,000,000.

Tex., San Antonio—CEMENT PLANT—Republic Portland Cement Co., J. H. Smith, pres., plans cement plant, 1,000,000 bbl. per year, $2,500,000. T. Bartlett, Calcasieu Bl., San Antonio, engr. R. K. Meade, 10 West Chase St., Baltimore, Md., consult. engr. Kilns, mills and coolers, awarded to Allis-Chalmers Co., West Allis, Wis., and electrcial equipment, to General Electric Co., Schenectady, N. Y.

Wash., Bellingham—STORAGE PLANT —Richfield Oil Co. of California, Matson Bldg., San Francisco, Calif., storage plant with 20,000 gal. tanks, in Squalicum Creek Basin. $100,000.

N. S., Halifax—PAPER MILL—Mersey Paper Co. Ltd., C. H. L. Jones, pres., paper mill on Mersey River in Queens Co. $5,000,000.

Que., St. Johns — FACTORY — Windsor Canning Co. canning factory. $75,000.

Ont., Oshawa—GARAGE—C. B. Dolphin, archt., Leader Lane, soon take bids 3 story, basement, brick, tile, King St. $90,000.

Ont., Toronto—PAPERBOARD MILL—Hinde & Dauche Paper Co. of Canada, 43 Hanna St., 1 and 2 story, basement, rein.-con., brick, steel addition, plain found., Hanna St. $500,000. R. Cook, 43 Hanna St., engr.

Bids Desired

Mass., Salem—FACTORY—Sept. 5, Park Leather Co., c/o W. H. Hunt & Son, archts., 208 Essex St., 2 story, brick, timber, plain found., 55 Grove St.

Conn., Stamford—GARAGE, SHOWROOM and SERVICE STATION—F. Urso, archt., 432 Main St., taking bids 1 story, 115 x 140 ft., brick, steel, concrete, Luther St., for A. Spelke, 480 Main St. $70,000.

N. Y., Amenia—POWER HOUSE, etc.—Oct. 11, by Commissioner Mental Hygiene, Capitol Albany, power house, tunnels, and refrigeration work for cold storage plant at Wassaic State Hospital. Noted July 12.

N. Y., New York—FACTORY and LOFT —G. A. Boehm, archt., 2 West 45th St., bids about Sept. 10, general contract 6 story, 17 Laight and 58 Varick Sts., for C. T. Kissel, 11 Pine St. $75,000.

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N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Queens (Ind. br. Jamaica) — BAKERY — H. Holder, archt., 242 Franklin Ave., Brooklyn, taking bids general contract 1 and 2 story, 200 x 260 ft., brick, steel, rein.-con., plain found., 99th Ave. and 222nd St., for Duggan Bros., 208 South 5th St., Brooklyn. $300,000.

N. J., Bergenfield—BAKERY—Forester Bakers, Inc., 207 North Washington St., bids about Oct. 1, general contract revised plans 3 story, basement, 100 x 270 ft., brick, steel, plain found., South Washington St. and Rutland Ave. $150,000. McCormack Co., Inc., 41 Park Row, New York, archt. Noted Aug. 23.

N. J., East Orange—WORK SHOP and OFFICE—See "Contacts Awarded."

Ind., Indianapolis—LAUNDRY and OFFICE—Fame Laundry Co., 27 North Capitol St., taking bids and opens same about Sept. 1, 4 story, basement, 90 x 205 ft., rein.-con., brick, steel, 14th and Illinois Sts. $200,000. G. D. Mogle, 5860 Guilford Ave., archt.

Mich., Ferndale (br. Detroit)—FACTORY —Steel & Tubes Inc., 224 East 131st St., Cleveland, O., and Sessions Eng. Co., engrs., 228 North LaSalle St., Chicago, Ill., taking bids 1 story, 210 x 500 ft., brick, steel factory. $250,000. Noted Aug. 16.

Wis., Milwaukee — ABATTOIR — P. Marziller, archt., 144 East Wells St., taking bids 2 story, basement, 50 x 90 ft., rein.-con., brick, plain found., Muskego Ave., for P. Zetron & A. Taskow Packing Co., Milwaukee. $50,000.

Kan., Arkansas City—REFINERY—See "Contracts Awarded."

Ore., Grants Pass—GARAGE, SHOP and STORAGE—See "Contracts Awarded."

Calif., Richvale—PAPER FACTORY—Sept. 10, by Pacific Paper Products Co., rein.-con., main buildings, power plant, plain founds. $1,000,000. A. Lofgren, Richvale, engr.

Contracts Awarded

Mass., Mattapan (Sta. Boston)—FACTORY—Thompson Wire Co., Mildred Ave., 1 story, 55 x 125 ft., brick addition, plain found., to Clark & Smith, Inc., 13 Temple St., Quincy, Mass. Est. $40,000.

N. Y., Buffalo—FACTORY—Ontario Biscuit Co., 273 Oak St., 4 story, 80 x 96 ft., rein.-con., brick, 20 Watson St., to Hydro Constr. Co., Mutual Bldg., $90,000.

N. Y., New York—SERVICE GARAGE —Bernson Constr. Co., R. Bernson, pres., 1306 Jerome Ave., 4 story, 75 x 98 ft., brick, steel, concrete, 329 East 22nd St., separate contracts. $60,000. W. Shary, 41 Union Sq., archt.

N. Y., Troy — ABRASIVE PLANT — Behr-Manning Corp., 1 story, 65 x 170 ft. machine shop, 1 story, 100 x 150 ft. storehouse, 4 story, 78 x 260 ft. manufacturing building, 5 story, 60 x 60 ft. grading building, power plant, coal pocket, all rein.-con., brick, steel, to M. C. Tuttle Co., 31 St. James Ave., Boston, Mass. Est. $350,000.

N. J., Bayonne — BOLT FACTORY — Bayonne Bolt Corp., Trash Ave. and 2nd St., Bayonne, general contract 1 story, 50 x 287 ft., rein.-con., brick, steel, plain found., Trash Ave. and 2nd St., to Bergen Point Iron Wks., foot West 5th St. Est. $40,000.

N. J., East Orange—WORK SHOP and OFFICE—Scher & Alhert, Inc., 9 Clinton St., Newark, 2 story, basement, 60 x 110 ft., brick, steel, plain found., separate contracts. $65,000. F. G. Hasselman, 34 Prospect St., archt. Noted Aug. 16.

N. J., Kearny (sta. Arlington)—FACTORY—Western Electric Co., Inc., 195 Bway., New York, general contract 2 story, basement, rein.-con., brick, steel, plain found., to Austin Co., 120 Bway., New York. Est. $75,000.

N. J., Lodi (Ind. br. Hackensack)—DYE PLANT—United Piece Dye Wks., Nicholson St., general contract 1 story, basement, 106 x 202 ft., brick, steel addition, plain found., Main and Church Sts., to F. L. Dillon Constr. Co., 75 Church St. Est. $75,000.

S. C., Spartanburg—PLANT—Standard Looms, Inc., 519 East Main St., I. Andrews, pres., new plant for textile weaving machinery to Fiske-Carter Constr. Co., Masonic Temple Bldg., Greenville. Est. $145,000. Noted May 3.

Fla., St. Petersburg—COLD STORAGE WAREHOUSE—E. B. Hadley, archt., St. Petersburg, cold storage warehouse, to J. P. Jones, $250,000.

Fla., Tampa—FACTORY and OFFICE—Perry Paint & Glass Co., East Lafayette Sts., 5 story, near Washington St. Viaduct, to Logan Bros., 706 Franklin St., $65,800.

Ind., South Bend — FACTORY — Studebaker Corp., general contract 2 story, 240 x 432 ft., rein.-con., brick, steel, Franklin and Sample Sts., to H. G. Christman, 306 Notre Dame St. Est. $100,000.

Mich., Detroit—FACTORY—Park Davis Co., McDougal Ave., (1st unit) 6 story, basement, 200 x 200 ft., rein.-con., brick, plain found., to Otto Misch Co., 159 East Columbia St. Est. $600,000. Noted Aug. 9.

Mich., Flint—AUTO ASSEMBLY PLANT —Chevrolet Motor Car Co., 2 story, 200 x 240 ft., and 50 x 170 ft., rein.-con., brick, steel, plain found., to H. G. Christman Co., Porter Bldg., Lansing.

Mich., Highland Park (br. Detroit)—FACTORY—Chrysler Motor Car Co., Massachusetts Ave., 1 story, 80 x 540 ft., rein.-con., brick, top addition, Oakland Ave., to R. H. Hidey, General Motors Bldg., Detroit. Est. $100,000.

Ill., Chicago—AUTO SERVICE STATION —R. B. Kurzon, archt., 105 West Monroe St., masonry, concrete and carpentry contract 2 story, part basement, 140 x 180 ft., to L. Padorr Co., 155 North Clark St. Est. $353,000. Noted July 12.

Ill., Chicago—GASKET PLANT—Victor Mfg. & Gasket Co., 5750 West Roosevelt Rd., general contract 4 story, 100 x 160 ft., rein.-con., brick top addition, Fillmore and Menard Aves., to Schmidt Bros. Constr. Co., 22 East Huron St. Est. $150,000. This corrects report in Aug. 23 issue.

Wis., Racine—FACTORY—Belle City Malleable Iron Co., Kewaunee St., masonry contract 1 story, 77 x 96 ft., brick addition, to Nelson Constr. Co., Racine.

Wis., Wauwatosa—FACTORY—A. Leitz Co., 61st and State Sts., masonry contract 3 story, 70 x 100 ft. addition, 61st and State Sts., to P. Riesens Sons, 1018 Humboldt Ave., Milwaukee; carpentry, to B. Bergmann, 477 Wisconsin Ave.; roofing, to Universal Roofing Co., 3009 North Ave.

Kan., Arkansas City — REFINERY — Roxana Refinery, 2 additional units, day labor. $500,000. Private plans.

Kan., Coffeyville—MILK CONDENSERY —Page Milk Co., R. B. Page, pres., Merrill, Wis., 2 story, basement, rein.-con., brick, West 8th St., to Universal Constr. Co., Coffeyville. Est. $100,000.

Mo., Slater — GARMENT FACTORY — Rice Stix Dry Goods Co., 1000 Washington Ave., St. Louis and Slater Chamber of Commerce, c/o Secretary, 2 story, basement, 93 x 150 ft., rein.-con., brick to P. Stemmons, Booneville $55,000.

Tex., San Antonio—CEMENT PLANT—See "Proposed Work."

Tex., San Benito—PACKING PLANT—Texas Citrus Fruit Growers Exch., J. Shary, pres., Mission, 3 story, brick, steel packing plant, to W. F. Chambers, San Benito, $50,000. Noted Aug. 23.

Ore., Grants Pass—GARAGE, SHOP and STORAGE—C. A. Winetrout, 2 story, basement, 100 x 100 ft., rein.-con., plain found., 5th and H Sts., day labor. $40,000. Private plans.

Calif., Los Angeles—OIL REFINERY—Swift & Co., 916 East 1st St., 4 story, part 2 story, 114 x 212 ft., rein.-con., brick, steel, Vernon Ave. and 39th St., to Richards-Newstadt Constr. Co., 117 West 9th St. $130,000.

Calif., Orange — COTTON MILL — California Cordage Co., 1 story, 60 x 130 ft., brick, steel addition, 207 North Cypress St., to Moran Co., 740 South Bway., $75,000.

Calif., Richvale — PULP and PAPER MILL—Pacific Coast Pulp & Paper Co., group 1, 2 and 3 story, concrete, steel buildings, to T. B. Hunt, 1510 30th St., Sacramento, $1,000,000. Noted Aug. 2.

Calif., Sacramento — FACTORY and WAREHOUSE—Zellerbach Paper Co., 1213 Front St., 4 story, basement, 50 x 125 ft., to Campbell Constr. Co., 800 R. St. $125,000. Noted Aug. 2.

Ont., Oakville—FACTORY—E. Bamber, Kerr St., general contract 1 story, 60 x 300 ft., concrete, brick, steel, plain found., to W. W. King, Oakville, for General Metal Devices, Oshawa. Est. $75,000. Noted Aug. 9.

Buildings—Educational, Religious

Proposed Work

Mass., Everett (br. Boston)—SCHOOL—City, D. R. W. Murdock, chn., plans by McLaughlin & Burr, 88 Tremont St., Boston, 2 story, basement, 105 x 120 ft., brick, stone, plain found., Shute St. $150,000. Noted Aug. 23.

Mass., Medford—SCHOOL—City, P. G. Ferguson, chn. Building Com., sketches by W. Atherton & C. Tiffany, archts., 148 State St., Boston, 2 story, basement, brick, plain found., Hicks Ave. $150,000.

Mass., Winchester—CHURCH and PARISH HOUSE — G. S. Newton, archt., 6 Beacon St., Boston, rejected bids 2 story

Buildings—Educational, Religious (Cont.)

basement, 110 x 170 ft., brick, granite, plain found., Washington and Mt. Vernon Sts., for First Baptist Church, B. F. Brown, Building Com. $150,000 or more. Will re-advertise. Noted Aug. 9.

Mass., Worcester—CHURCH—Tatnuck Congregational Church, J. T. Carter, pastor, sketches by Peare & Dorman, 6 Beacon St., Boston, 1 story, basement, brick, stone, Pleasant and Willard Sts. $150,000. Noted Aug. 23.

N. Y., New York — GYMNASIUM, CHURCH, SCHOOL and LAUNDRY—Vinross Realties, Inc., M. H. Rothchild, pres., 101 Park Ave., plans by R. Candela, 578 Madison Ave., 16 story, brick, steel, 3 West 95th St. $2,000,000.

N. Y., New York—SCHOOLS—Bd. Educ., 500 Park Ave., plans by W. G. Martin, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 77, 59 x 107 ft., 172nd St. and Ward Ave. $270,000.

N. Y., New York—SEMINARY—Jewish Theological Seminary of America, C. Adler, pres., 543 West 122nd St., plans by S. F. Ross, 101 Park Ave., 6 story, 185 x 191 ft., brick, steel, 537 West 122nd St. $1,200,000.

N. J., Neptune City (mail Avon by the Sea) — SCHOOL — Bd. Educ., High School Bldg., rejected bids Aug. 14, 2 story, basement, brick, steel, plain found., Green Grove Rd. $300,000. Noted May 17.

N. J., Newark — CHURCH — Franklin Memorial Church, 17 Franklin St., plans by F. Y. Parsons, 949 Bway., New York, and takes bids in October general contract 2 story, basement, brick, steel, plain found., Maple and Kier Aves. $150,000. Noted June 21.

N. J., Newark — SCHOOL — Bd. Educ., City Hall, Broad and Green Sts., sketches by Simpson & Rolston, Inc., 45 Walnut St., 1 story, basement, brick, steel, plain found., Boylan St. and South Orange Ave. $187,000.

N. J., New Brunswick—SCHOOL—Bd. Educ., Livingston Ave., sketches by A. Merchant, 52 Paterson St., 2 story, basement, brick, steel, plain found., 52-56 Bartlett St. $150,000.

N. J., North Arlington (mail Arlington) —SCHOOL—Bd. Educ., Ridge Rd., 2 story, basement, brick, steel, plain found., Argyle Track. $150,000.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Rd., 2 story, basement, brick, steel, plain found., St. Cloud Sect. $150,000. Engineer and architect not selected.

Pa., Phila.—SCHOOL—Gleason & Mulrooney, archts., 250 South Broad St., soon let contract 3 story, basement, 63 x 155 ft., rein.-con., steel, stone, plain found., Shalmire and Caster Sts., for Resurrection of Lord Parish, J. M. Crossman, pastor.

Md., Baltimore—CHURCH—Second Presbyterian Church, R. G. Leetch, pastor, 2522 North Charles St., plans by Palmer & Lamdin, 513 North Charles St., 1 story, basement, brick, in Guilford. $150,000.

Md., Baltimore—HIGH SCHOOL—Mayor and City Council plans by W. E. Emmart, Union Trust Bldg., 3 story, brick, Shaffer, Carter and Sefton Aves. $500,000.

D. C., Wash.—CHURCH and SUNDAY SCHOOL—Lutheran Church of Atonement soon takes bids church and sunday school, North Capitol and Rhode Island Ave. Ritcher & Eiler, 147 North 5th St., Reading, Pa., archts. Noted May 3.

Ill., Chicago—HOSPITAL—University of Chicago, 189 West Madison St., sketches by Coolidge & Hodgdon, 134 South La Salle St., hospital, on campus and 59th St. $600,000.

Ill., Chicago — PLANETARIUM — South Park Comrs., 5700 Cottage Grove Ave., plans by E. A. Grunsfeld, Jr., Tribune Bldg., 435 North Michigan Ave., concrete, steel, on river front in Grant Park. $500,000. Noted July 5.

Tex., San Antonio—LIBRARY—City, c/o C. M. Chambers, mayor City Hall, sketches by H. S. Green, Alamo Bank Bldg., altering and constructing 2 story, basement addition. $250,000. Noted June 7.

Tex., Waco—HIGH SCHOOL—Bd. Educ. plans by T. B. Pearson, 501 1st State Bank Bldg., fireproof high school. $300,000.

Calif., Los Angeles—HIGH SCHOOL—School Dist. plans by Architectural Dpt. Bd. Educ., 2 story, on Audubon Junior High School site, $300,000; plans by Hunt & Burns, Laughlin Bldg., Robt. Louis Stevenson School, part 1 and 2 story, brick, Indian St., $150,000.

Calif., San Diego—HIGH SCHOOL—Sweetwater Union High School Dist. plans by T. C. Kistner & Co., Architects Bldg., Los Angeles, Junior High School, brick or concrete, $160,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. plans by S. Heiman, 57 Post St., Junior High School addition, incl. 8 class rooms, 2 gymnasiums, 6 machine shops, music room, Bay, Francisco, Powell and Stockton Sts. $400,000.

Ont., Swansea — SCHOOL — School Bd. plans by J. Thompson, 65 Victoria St., Toronto, 2 story, basement, concrete, brick,

Bids Desired

N. H., Concord — SCHOOL — Sept. 7, City, H. F. Lake, and Wells & Hudson, archts., Hanover, 2 story, basement, brick, stone, plain found., South St. $150,000. Noted June 14.

Mass., Everett—SCHOOLS—Sept. 5, by City, D. R. W. Murdock, chn. School Building Com., and McLaughlin & Burr, archts., 88 Tremont St., Boston, 2 story, basement, 105 x 120 ft., brick, plain found., Shute St., $150,000; by City, D. R. W. Murdock, chn. School Building Com. and W. W. Drummey, Inc., archts., 80 Boylston St., Boston, 2 story, basement, 140 x 160 ft., brick, stone, plain found., Nichols St., $160,000. R. D. Kimball Co., 6 Beacon St., Boston, engrs.

Mass., Longmeadow—SCHOOL—Sept. 7, by Town, H. Dudley, 73 Colton Pl., and M. B. Harding, archt., 6 Main St., Westfield, 2 story, basement, 130 x 135 ft., brick, plain found., Longmeadow St. $150,000 or more.

Mass., Milton — SCHOOL — Sept. 11, by Town, Superintendent Schools, 2 story, basement, 15 room, brick, steel, Edgehill Rd. $200,000. Shepard & Stearns, 65 Franklin St., Boston, archts.

Mass., Quincy (Ind. br. Boston) — SCHOOL—City, F. E. Tupper, comr., taking bids 2 story, basement, 105 x 155 ft., brick, stone, granite, plain found., Pelican Rd., Adams Shore Dist. $150,000. W. Chapman, 15 Ashburton Pl., Boston, archt. Noted Jan. 19.

Conn., Branford —HIGH SCHOOL—Sept. 1, by Town, School Bd., 2 story, basement, 57 x 170 ft., and 57 x 58 ft., brick, steel school. Est. $240,000. R. W. Foote, 185 Church St., New Haven, archt. Noted Aug. 9.

N. Y., Brooklyn — LAW SCHOOL — St. Johns College, 75 Lewis Ave., bids about Sept. 1, general contract 12 story, basement, 90 x 100 ft., brick, steel, plain found., Schermerhorn and Livingston Sts. $1,000,000. J. F. Cook, 9 Clinton St., Newark, archt. Noted Mar. 29.

N. Y., Buffalo—NURSES HOME—Sept. 12, by Dpt. Mental Hygiene, Capitol, Albany, nurses home at Buffalo State Hospital. Noted May 24.

N. Y., Hempstead—SCHOOL—Bd. Educ. taking bids Ludlow School, 2 story, basement, brick, steel, plain found., William St. and Jerusaleum Ave. $150,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted Aug. 9.

N. Y., Ogdensburg—NURSES HOME—Oct. 3, by Dpt. Mental Hygiene, Albany, nurses home at St. Lawrence State Hospital.

N. Y., Syracuse—DORMITORIES—Oct. 10, by Commissioner Mental Hygiene, Capitol, Albany, farm dormitories at Syracuse State School, Fairmount. Noted July 12.

N. Y., Winfield (mail Woodside) — SCHOOL — Sept. 5, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 12, 72nd St. from 43rd to Woodside Aves., for Bd. Educ., 500 Park Ave., New York. Noted May 24.

N. J., Hillside (br. Elizabeth)—SCHOOL —Bd. Educ., W. Reider, chn., Twp. Hall, bids about Oct. 1, 2 story, basement, 60 x 200 ft., brick, steel, plain found., Hillside Ave. $200,000. J. Wind, Jr., 1426 North Broad St., archt. Noted June 28.

N. J., Morristown—SCHOOL—Sept. 12, by Bd. Educ., High School, 50 Early St., general contract 2 story, basement, rein.-con., brick, steel, plain found., Hazel and Liberty Sts. $150,000. C. Voorhees, Schuyler Pl., archt.

N. J., Teaneck (mail West Englewood) —SCHOOL and AUDITORIUM—De Pace & Juster, archts., 151 West 45th St., New York, bids about Oct. 1, general contract 2 story, basement, brick, steel, plain found., Teaneck Rd., for St. Anastiasia Roman Catholic Church, B. J. O'Neil, pastor, Robinson St. $150 000. Noted July 9.

Md., Baltimore —CHURCH and PARSONAGE—Sept. 10, by Frohman, Robb & Little, archts., 16 Jackson Pl., Wash., D. C., and 140 Boylston St., Boston, Mass., 1 story, basement, 57 x 120 ft., stone, 33rd St. and Alameda Blvd., for Church of Our Savior English Lutheran Church, A. Strenke, pastor. $150,000.

D. C., Wash.—HIGH SCHOOL—Sept. 6, by Dist. Comrs., District Bldg., constructing E. A. Paul, Jr. High School. Noted June 28.

Va., Charlottesville—DORMITORIES and ACADEMIC—Sept. 4, by University of Virginia, 1 academic building, and 8 dormitories. $700,000.

Mich., Detroit—CHURCH—Van Leyen, Schilling & Keough, archts., 3440 Cass Ave., taking bids and open same about Sept. 6, 2 story, basement, 63 x 181 ft., concrete, brick, steel, plain found., Dexter Blvd., for St. Gregory's Church, 6202 Hamilton Ave. $200,000. Noted July 5.

Mich., Detroit—SCHOOL—Sept. 5, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, rein.-con., brick, steel, plain found., Adeline Ave. $175,000.

Ill., Chicago—CHURCH—Meyer & Cook, archts., 820 Tower Court, bids about Sept. 5, 75 x 170 ft., church, 90 ft. high, brick, Bedford stone, in suburb. $300,000.

Ill., Chicago—NURSES HOME—Sept. 5, by City, City Hall, 5 story, 95 x 200 ft., nurses home, West 31st St. and South California Ave. R. W. Wolfe, comr. Bd. P. Wks. Noted July 12.

Wis., Stevens Point — SCHOOL — Sept. 14, by State Bd. Normal School Regents, E. G. Doudna, secy., Madison, 3 story, basement, 50 x 150 ft., brick, State Teachers College. A. Peabody, Madison, school archt.

Ia., Crowville — HIGH SCHOOL — Sept. 11, by J. L. McDuff, supt. Franklin Parish School Bd., Winsboro, 2 story, rein.-con., brick, stone, rein.-con. found. $150,000. J. W. Baker, Crowville, archt.

Mo., St. Louis—SCHOOL—Sept. 5, by Bd. Educ., 506 Bd. Educ. Bldg., 3 story, 87 x 226 ft., rein.-con., brick, stone, Vanderventer Ave. between Shaw and Russell Aves. $335,000. R. M. Milligan, c/o owner, archt.

Tex., Houston—CHURCH and EDUCATIONAL—Sept. 6, by St. Pauls Methodist Church, W. W. Fondren, chn. building con., 3410 Montrose Blvd., 1 story, 81 x 179 ft. church, 3 story, 88 x 129 ft. Sunday school, rein.-con., brick, steel, rein.-con. found., Main Blvd. $500,000. A. C. Finn, 505 Bankers Mortgage Bldg., archt. Noted Mar. 22.

Tex., San Antonio — ORPHANAGE — Catholic Diocese, c/o L. M. J. Dielmann, archt., 306 East Commerce St., competitive bids about Sept. 1, 3 story, 60 x 90 ft., rein.-con., brick, plain found., Concepcion Rd. $150,000.

Calif., Berkeley—SCIENCE—Regents of University taking bids and open same about Sept. 12, 5 story life science building, rein.-con., for University of California. $2,000,000. G. W. Kelham, 315 Montgomery St., San Francisco, archt. Noted Mar. 22.

Calif., Los Angeles—SYNAGOGUE and SCHOOL—A. A. Weitzman, archt., Hibernian Bldg., taking bids concrete, brick, steel, 85 x 125 ft., Centennial St., for Beth Israel Congregation. Noted Aug. 2.

Calif., Whittier — INSTITUTION — Sept. 12, by G. B. McDougall, state archt., P. Wks. Bldg., Sacramento, hospital and administration buildings, 2 cottages for boys, all rein.-con., plain founds., State Industrial School. $161,025.

Ont., Windsor—HIGH SCHOOL—Bd. Educ., P. P. McCallum, chn., 1460 Dougal Ave., plans by Cameron & Ralston, Bartlett Bldg., and takes bids about Sept. 1, 2 story, basement, brick, steel, incl. 20 class rooms, Tecumseh Rd. $500,000.

B. C., Point Grey—HIGH SCHOOL—Sept. 4, by Townley & Matheson, archts., 325 Homer St., Junior High School, 3 story, basement, rein.-con., stucco, plain found., incl. 36 rooms, shops, gymnasium, cafeteria, 37th Ave. Maple St., for Bd. School Trustees. $425,000.

Contracts Awarded

Vt., Bennington—SCHOOL and AUDITORIUM—Sacred Heart Parish, J. A. Campean, pastor, 2 story, basement, 90 x 120 ft., brick, steel, to F. S. Brennan, 40 Court St., Boston, Mass. Est. $150,000. Noted Aug. 9.

Massachusetts — EMPLOYEE and NURSES HOME—Dpt. Pub. Health, State House, Boston, women employees building at State Sanatorium, Rutland, to Z. A. Houle, Central Blk., Lowell, nurses home at Lakeville, to T. A. Cassidy, 54 Boylston St., Fitchburg, for Commonwealth of Massachusetts. Est. about $150,000. Noted July 26.

Mass., Belchertown — SCHOOL, DORMITORY, etc. — Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, general contract school and gymnasium also girls' dormitory; to Bond Bros., 79 Ferry St., Everett, $59,800 and $68,165 respectively; employees cottage, to J. G. Roy & Sons, 21 Silver St., Springfield, $29,968. Noted Aug. 9.

Mass., Fitchburg—CHURCH and PARISH HOUSE—Christ Church, A. V. Bennett, pastor, rein.-con., stone, to W. J. Handley Co., Fitchburg, $145,000. Noted July 26.

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Buildings—Educational, Religious (Cont.)

N. Y., Buffalo — CHURCH — Dietel & Wade, archts., Genesee Bldg., 3 story, 50 x 180 ft. church, Delaware Ave., to W. H. Dill, 211 Fougeron St., for Temple Beth Zion, 599 Delaware Ave. Est. $175,000.

N. J., Belleville (br. Newark)—SCHOOL—Bd. Educ., Washington Ave. and Holmes St., general contract 2 story, basement, brick, steel, plain found., Franklin and Belleville Aves., to L. D. Kilgus, 11 Coes Pl., Newark, $144,375. Noted Aug. 16.

N. J., Newark—SCHOOL—Bd. Educ., A. Berham, in charge, City Hall, general contract 3 story, basement, 145 x 182 ft., brick, steel, plain found., to A. Grasso, 508 North 7th St., $279,440.

N. J., Palisades Park — SCHOOL — Bd. Educ., School Central Blvd., general contract 2 story, basement, brick, steel, to Reliable Constr. & Eng. Co., 604 Anderson Ave., Grantwood, $222,126. Noted Aug. 2.

Md., Baltimore—CHURCH, SUNDAY SCHOOL and PARSONAGE—Grace Evangelican Lutheran Church, C. G. Wolf, pastor, 5202 Harford Rd., stone, Batavia and Harford Aves., to Adam Krat, 118 South Carrollton Ave., $150,000.

O., Hamilton — SCHOOLS — Bd. Educ., three 2 story, basement, brick, rein.-con., plain founds., to A. Benzing & Sons, Hamilton, $272,700. Noted Nov. 24, 1927.

Ind., Indianapolis—CHURCH—Y. W. C. A., Walnut and West Sts., general contract Phyllis Wheatley Building, 3 story, basement, 112 x 120 x 124 ft., rein.-con., brick, steel, Walnut and West Sts., to Economy Constr. Co., 719 Meyer-Kiser Bldg. Est. $160,000. Noted June 21.

Kan., Pittsburg—SCHOOL—Bd. Educ., c/o T. Werme, secy., general contract 5 story, basement, 100 x 170 ft., brick, rein.-con., to Messenger & Dalton, 822 East 4th St., $100,888. Noted Aug. 2.

Tex., Houston—HIGH SCHOOL—Houston Ind. School Dist., H. L. Mills, mgr., 1600 Washington Ave., general contract 1 and 3 story, concrete, stone, brick, hollow tile addition, Dean, Merrill and Pineridge Sts., to E. G. Maclay, 1026 Post Dispatch Bldg., $112,210.

Calif., Beverly Hills—SCHOOL—Beverly Hills Bd. Educ., 2 story, 180 x 190 ft., rein.-con., timber, Hawthorne School site, to J. S. Metzer & Son, 332 West Jefferson St., Los Angeles, $188,324. Noted Aug. 9.

Calif., Carpinteria — SCHOOL — School of Santa Barbara, 3 rein.-con. and frame buildings, to Wurster Constr. Co., National City Bank Bldg., Los Angeles, $250,000.

Calif., Los Angeles — CHURCH — First Methodist Episcopal Church, 2 story, rein.-con., Franklin and Highland Aves., to J. Clyde Bannister, 6331 Hollywood Blvd., $230,000.

Ont., Welland—SCHOOL—High School Bd., general contract 3 story, basement, rein.-con., brick, steel, plain found., to R. Timms, $126,877; plumbing and heating, to J. H. Crow, Welland, $29,905.

Federal Government Work

Proposed Work

N. Y., New York — DREDGING and ROCK REMOVAL—U. S. Engineer Office, 1st Dist., Army Bldg., in East River.

Pa., Phila.—BREAKWATER—U. S. Engineer Office, 4,000 ft. breakwater at Artificial Island.

Pa., Phila.—DREDGING—U. S. Engineer Office at Port Richmond.

Pa., Pittsburgh—LOCK GATES—U. S. Engineer Office, lock gates at Deadmans Island Lock, Ohio River.

D. C., Wash.—COOLING POND—Supply Div. Bureau Standards, plans by W. I. Deming, 808 17th St. N. W., cooling pond, Conn. Ave. and Pierce Mill Rd. N. W.

Virginia and North Carolina—DREDGING—U. S. Engineer Office, Norfolk, Va., in Pamlico River-Bay River Sect. Inland Waterway from Norfolk, Va., to Beaufort inlet, N. C.

North Carolina—DREDGING—U. S. Engineer Office, Wilmington, in Sect. 5, Intracostal Waterway, Beaufort to Cape Fear River.

Fla., Jacksonville—DREDGING—U. S. Engineer Office, 105,900 cu.yd. mud, sand, shell and rock in Anclote River.

Miss., Greenwood — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., rejected bids Aug. 10, U. S. Post Office. Noted Aug. 23.

La., New Orleans—WIRE STRAND—U. S. Engineer Office, 4th Mississippi River Dist., 2,250,000 lin.ft. ¼ in., 300,000 lin.ft. ⅜ in. and 200,000 lin.ft. ⅝ in. wire strand.

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Tenn., Memphis — TRACTORS — U. S. Engineer Office, 4 crawler type 2 ton tractors.

Ill., Chicago—DREDGING—U. S. Engineer Office, in Illinois River.

Wis., Milwaukee — DREDGING — U. S. Engineer Office, rejected bids dredging Sheboygan Harbor. Noted July 12.

Neb., Hastings—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., rejected bids July 20, U. S. Post Office. Noted July 26.

Calif., San Diego—CRANE—Spec. 5713—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 10 ton electric crane at Naval Operating Base (Air Station).

Cuba, Guantanamo Bay—GENERATORS—Spec. 5699—Bureau Yards & Docks, Navy Dpt., Wash., D. C., two 250 kw. diesel engine generators with starting equipment and exciter, motor-generator set, A.C. motors for existing centrifugal pump and air compressors and switchboard, at Naval Station. Noted July 12.

P. I., Canacao—BOILER PLANT EQUIPMENT — Spec. 5537—Pub. Wks. Office, Naval Station, Cavite, removing boiler plant equipment, replacing 2 water tube boilers, boiler settings, smoke breeching, guyed steel stack, oil burners, at Naval Hospital.

Bids Desired

N. Y., Buffalo—Sept. 4, by Bd. Supervs. Erie Co., rein.-con. paving 0.59 mi. Myrtle Ave. C.A.T.H. 178. G. Diehl, Ellicott Sq., co. engr.

N. Y., New York — ALTERING — Sept. 18, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Regional Office.

Pa., Phila.—GEERATOR—Sept. 18, by Treas. Dpt., at office Supervising Archt., Wash., D. C., motor generator for U. S. Mint.

D. C., Wash. — SEWER PIPE, etc. — Sept. 4, by A. L. Flint, genl. purch. office Panama Canal, vitr. sewer pipe, pig iron, car axels and wheels, track spikes, anti-friction metal pig tin.

D. C., Wash.—FOUNDATIONS—Sept. 25, by Treas. Dpt., at office Supervising Archt., Wash., D. C., foundations for Dpt. of Commerce Building; adv. E. N.-R. Aug. 30. Noted Nov. 17.

D. C., Wash.—BRIDGE—Sept. 28, at office Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., constructing Boundary Channel Bridge, Arlington Memorial Bridge Project; adv. E. N.-R. Aug. 30.

Va., Virginia Beach—RADIO TOWERS—Spec. 5680—Sept. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., taking down, moving, re-erecting on new foundations two 150 ft. steel radio towers.

Ky., Outwood—FIRE ALARM SYSTEM—Sept. 18, by U. S. Veterans Bureau, Wash., D. C., fire alarm system.

O., Chillicothe — GREENHOUSE — Sept. 25, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., greenhouse and workroom at U. S. Veterans' Hospital.

O., Dayton—SHOP—Sept. 6, by Constructing Quartermaster, constructing shop extensions, at Wright Field.

O., Dayton—ROADS—Sept. 7, by Quartermaster Dpt., concrete roads at Wright Field.

O., Wooster — EXTENDING and REMODELING—Sept. 19, by U. S. Engineer Office, U. S. Post Office. Noted July 26.

Ill., Great Lakes (br. Waukegan) — PARAPET WALL — Spec. 5729 — Sept. 5, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing, rebuilding parapet wall and cornice at Naval Training Station.

Minn., Hastings—LOCK and DAM—Sept. 27, by U. S. Engineer Office, 516 Bremer Arcade Bldg., St. Paul, constructing lock and dam in Mississippi River, near here; adv. E. N.-R. Aug. 30. Noted Nov. 24.

Ariz., San Carlos—GATES—Sept. 10, by Dpt. Interior, Indian Irrigation Serv., Federal Bldg., Los Angeles, Calif., two hundred forty 18 x 36 in. circular lateral gates; eleven 6x12 ft. and 4x12 ft. automatic control gates; one hundred twenty 30x42 in. and 36x60 in. rectangular gates.

Wash., Olympia—REMODELING—Sept. 27, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E. N.-R. Aug. 30.

Bids Received

Mass., Northampton—GREENHOUSE—U. S. Veterans' Hospital Bureau, Arlington Bldg., Wash., D. C., Aug. 21, greenhouse with workroom at U. S. Veterans' Hospital, from Ransom & Anderson Co., 136 Liberty St., New York, $13,566. Noted Aug. 9.

N. Y., Patchogue — DREDGING — U. S. Engineer Office 1st Dist., Army Bldg., Whitehall St., New York, 24,500 cu.yd. Great South Bay, from W. H. Gahagan Realty Co., Inc., 147 Remsen St., Brooklyn, $10,535.

N. Y., Rockaway Point (sta. Brooklyn)—BULKHEAD—Spec. 5647—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Aug. 22, repairing bulkhead at Naval Air Station, from Sprague Constr. Co., Inc., Plaza Bldg., Far Rockaway, $6,750.

D. C., Wash.—CONDUIT SYSTEM—D. Lynn, archt. of Capitol, Aug. 15, high tension conduit system between capitol power plant and U. S. Capitol Building, from M. Cain Co., 13 6th St., $28,950. Noted Aug. 2.

Va., Fort Myer—THEATRE—Constructing Quartermaster, Aug. 7, motion picture theatre, incl. fixtures, from L. T. Turner, $26,989 (120 days). Noted July 26.

Fla., Pensacola — REFRIGERATING EQUIPMENT—Spec. 5595—Bureau Yds. & Docks, Navy Dpt., Wash., D. C., at Naval Air Station Hospital, from Pyles Refrigerator Eng. Co., Baltimore, Md., $4,500. Noted Aug. 16.

Ill., Great Lakes (br. Waukegon)—REROOFING—Spec. 5700—Bureau Yards & Docks, Navy Dpt., Wash., D. C., reroofing Buildings 38 and 90, Naval Training Station, from Chicago Water Proofing & Roofing Co., 1108 West Adams St., Chicago, $3,683. Noted Aug. 9.

Ill., Paxton—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 20, U. S. Post Office, from F. R. Comb Co., 2113 Chicago Ave., Minneapolis, Minn., $59,950. Noted July 26.

S. D., Mitchell — EXTENSION — Treas. Dpt., at office Supervising Archt., Wash., D. C., extending and remodeling U. S. Post Office, from Ring Constr. Co., 95 South 11th St., Minneapolis, Minn., $41,683. Noted Aug. 23.

Colorado—ROAD—Bureau P. Rds., Custom House, Denver, Aug. 3, improving South St. Vrain Project, Larimer Co., from W. F. Pitt & Son, Inc., Denver, $27,998. Noted July 26.

Wash., Ellensburg — EARTHWORK — Bureau Reclamation, Dpt. Interior, Aug. 7, South Branch Canal, from Morrison & Knudsen, Boise, Idaho, $272,954. Noted July 12.

Oregon—ROAD—Bureau P. Rds., Portland, July 31, screened gravel bottom course and metaline highway surfacing, from A. L. Smith, Heppner, $13,917.

Ore., Portland—ROAD—Bureau P. Rds., Dpt. Agriculture, Aug. 8, clearing West Side Highway, Natl. Parks Rds., from A. G. Greenwood, 241 Bancroft St., $18,400.

Calif., San Diego—STOREHOUSE—Spec. 5704—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Aug. 22, storehouse at Naval Operating Base, from Lange & Bergstrom, Inc., Commonwealth Bldg., $94,500. Noted Aug. 2.

Cuba, Guantanamo Bay—RAILWAY—Spec. 5587—Bureau Yards & Docks, Navy Dpt., Wash., D. C., marine railway at Naval Station, from Newport Contg. & Eng. Co., Newport News, Va., $43,300. Noted July 19.

Contracts Awarded

Connecticut—DREDGING—U. S. Engineer Office, Providence, R. I., in Thames River, to Morris & Cummings Dredging Co., 15 Moore St., New York, $218,509. Noted Aug. 16.

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, dredging and rock removal in Hudson River, to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., Detroit, Mich., $617,755. Noted July 5.

N. J., Fort Hancock—SEWAGE DISPOSAL — Quartermaster Dpt., sewage disposal system, to Red Bank Sanitary Co., Red Bank, $28,000.

Pa., Phila.—ROOF REPAIRS—U. S. Veterans' Hospital, Arlington Bldg., Wash., D. C., repairing Roofs 1 and 2 and Red Cross Hut, to G. A. Direling, Inc., 1716 North Market St., $3,232.

Delaware—DREDGING—U. S. Engineer Office, Wilmington, in Murdickill River, to Delaware Dredging Co., 139 South 3rd St., Phila., Pa., $8,747. Noted July 19.

North Carolina—DREDGING—U. S. Engineer Office, Norfolk, Va., Aug. 2, in Alligator River, to Atlantic, Gulf & Pacific Co., 13 Park Row, New York, $168,038. Noted July 5.

Ind., Hammond—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., court house and post office, to W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $139,446. Noted July 19.

Michigan—DREDGING—U. S. Engineer Office, Detroit, Dredging Course 7, Middle Neebish Channel, St. Mary's River, to Duluth Superior Dredging Co., foot 45th St., Duluth, Minn., $204,453. Noted Aug. 23.

Wis., Milwaukee — DREDGING — U. S. Engineer Office, at Green Bay Harbor, to Greiling Eng. Co., Green Bay, $241,323. Noted Aug. 9.

Federal Government Work (Continued)

Tex., Fort Sam Houston (sta. San Antonio) — BARRACKS — Office Constructing Quartermaster, 2 Infantry Battalion Barracks, to Walsh & Burney, Inc., 928 North Flores St., San Antonio, $586,500. Noted July 26.

Tex., Galveston—CUTTER and BLADES —U. S. Engineer Office, for dredge "Raymond," to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $2,401.

Wash., Sands Point — SEWER — Spec. 5719 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., sanitary sewerage system and disposal plant at Naval Operating Base, to McHugh & Coluccio, Inc., 1450 Ellicott Ave. W., Seattle, $17,925 (150 days).

Calif., San Diego—ROADS—Spec. 5720—Bureau Yards & Docks, Navy Dpt., Wash., D. C., roads, walks, grading at Naval Operating Base, to DeWaard & Son, 207 Granger Bldg., $8,484 (90 days).

Calif., Sawtelle — MESS HALL, etc. — National Home for Disabled Volunteer Soldiers, 1 story, 60 x 200 ft., and two 2 story, 70 x 200 ft. end wings, rein.-con. mess hall and dormitory, Soldiers Home, to R. E. Campbell, 108 West 6th St., Los Angeles, $182,400. Noted July 12.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

904—Kentucky Utilities Co., 1350 Starks Bldg., Louisville, Ky., wants license power project in Kentucky River at U. S. Dams and Locks 6, 5, 4 and 3, Mercer, Woodford, Franklin and Owen Counties.

905—A. E. Ovington, Ovington, Wash., wants license power project on Ovington Creek, within Olympic Natl. Forest, Clallam Co.

906—Bedford Pulp & Paper Co., Inc., Richmond, Va., wants license power project on James River, partly within Natural Bridge Natl. Forest, Amherst Co.

907—S. B. Collins, 1765 Glencoe, Denver, Colo., wants preliminary permit power project on Clear Creek, within Rio Grande Natl. Forest, Hinsdale and Mineral Counties.

908—W. F. Drew, Blairsden, Calif., wants license power project in Little Grey Eagle Creek, within Plumas National Forest, Plumas Co.

909 — Idaho Power Co., Boise, Idaho, wants license transmission line on public lands in Baker Co.

910—Afton Electric Co., Afton, Wyo., wants license power project on Swift creek within Wyoming Natl. Forest, Lincoln Co.

911—Western States Gas & Electric Co., 345 Market St., San Francisco, Calif., wants license transmission line partly on public lands in Eldorado, Amador and Calavoras Counties.

912—Public Utilities Consolidated Corp., Globe, Ariz., wants license power project on Placer Creek, within Coeur d'Alene Natl. Forest, Shoshone Co., Idaho.

913—Virginia Public Service Co., Charlottesville, Va., wants license partly constructed transmission line within Natural Bridge Natl. Forest, Rockridge Co.

914—Dixie Power Co., Cedar City, Utah wants license transmission line on public lands in Washington Co.

915—B. H. Kizer, J. E. Ferris, A. H. Sperry and E. Logan, Peyton Bldg., Spokane, Wash. wants preliminary permit power project on Sheep Creek, Columbia River within Colville Natl. Forest and partly on Public lands in Stevens Co.

916—Virginia Carolina Power Co., Roanoke Rapids, N. C., wants preliminary permit power project on Roanoke River, Halifax, Northampton and Warren Counties. North Carolina and Mecklenburg and Brunswick Counties, Virginia.

Unclassified

Proposed Work

PLAYGROUND — **Buffalo, N. Y.** — City converting old Clinton Street Market site into playground; improving Houghton Park. R. J. Kinkel, Elmwood Music Hall, landscape archt. C. E. P. Babcock, city engr.

SHELTER HOUSES—**Buffalo, N. Y.**—City shelter houses at playground at School 62, Sperry Park, The Terrace, Chicago, Sullivan and Chandler Sts. H. L. Beck, 374 Delaware Ave., city archt.

WING WALLS—**Buffalo, N. Y.**—City constructing wing walls, on both sides dam in Cazenovia Creek, Cazenovia Park; and repairing damage to buttress walls. C. E. P. Babcock, Municipal Bldg., engr.

ATHLETIC FIELD — **North Caldwell** (br. Caldwell), **N. J.** — See "Buildings—Commercial."

GAS MAINS and DISTRIBUTING SYSTEM—**Pearsall, Tex.**—J. G. Pundt, 436 Peck Ave., San Antonio, 30 mi. 6 and 8 in. natural gas mains between gas fields and city limits, $100,000; distribution system, $25,000. Owner probably builds by day labor. Private plans.

LOCOMOTIVE TERMINAL—**Smithville, Tex.**—Missouri, Kansas & Texas R.R., F. Ringer, ch. engr., Ry. Exch. Bldg., St. Louis, Mo., soon lets contract brick, steel, concrete locomotive terminal and facilities. $200,000.

PARK IMPROVEMENTS — **Oklahoma City, Okla.**—Oklahoma Ry. Co., 209 Terminal Bldg., G. B. Treat, ch. engr., expending $300,000 rebuilding Belle Isle Amusement Park. H. R. Hudson, pres.

TUNNEL—**California**—Hy. Dist. Alameda Co. (Oakland) and Contra Costa Co. (Martinez) Victor Highway — Broadway Tunnel, 2,290 ft. long. $750,000. G. A. Posey, Oakland, surv. former and R. R. Arnold, Martinez, surv. latter counties.

BATH-HOUSE and PLUNGE—**Carlsbad, Calif.**—See "Buildings-Commercial."

WHARF—**Oakland, Calif.**—Oakland City Port Comn., Oakland Bank Bldg., preliminary plans wharf foot of 9th Ave. Est. exceeds $150,000. Private plans.

ORNAMENTAL LIGHTING SYSTEM—**Oroville, Calif.** — City preliminary plans ornamental lighting system in business district. To exceed $25,000. S. J. Norris, city engr.

WHARVES, etc. — **Montreal, Que.** — Montreal Harbor Comn., 3,000 ft. wharf, several smaller wharves, 3 new port sheds.

GRAIN ELEVATOR — **Prescott, Ont.** — Dpt. P. Wks., Ottawa, soon takes bids 1,500,000 bu. grain elevator.

Bids Desired

OFFAL RECEIVING PLATFORM — **Cambridge** (br. Boston), **Mass.**—Sept. 5, by City, J. J. Terry, supt. Pub. Buildings, City Hall, and Blackall, Clapp & Whittemore, archts., 31 West St., Boston, concrete, timber offal receiving platform, Raymond and New Sts. $60,000. Former bids rejected. Noted July 19.

CADDY HOUSE—**Buffalo, N. Y.**—Sept. 4, by G. Fisk, comr. P. Wks., caddy and locker houses on golf course, end Wildwood Ave. in Cazenovia Park. $40,000. H. Beck, 374 Delaware Ave., city archt.

BULKHEAD—**New York, N. Y.**—Sept. 5, by H. Bruckner, pres. Bronx Boro, Croton Park, 3rd and Tremont Aves., bulkhead and foundation, piles and oil storage tank, used in connection with extension and addition of Bronx Boro Asphalt Plant, Edgewater Rd.

SPECIAL WORK—**New York, N. Y.**—Sept. 4, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work and contact rail materials for use in construction Rapid Transit R.R.

FERRY SLIP—**Milwaukee, Wis.**—Sept. 6, by Harbor Comrs., car ferry slip for Municipal Car Ferry Terminal on Jones Island. $200,000. C. U. Smith, dir.

DIESEL OIL ENGINE—**Wayne, Neb.**—Sept. 6, by W. J. Bresslev, clk., 600 hp. Diesel oil engine. $54,000. Nixon & Reynolds, Grain Exch. Bldg., Omaha, engrs.

GAS PIPE LINE—**San Antonio, Tex.**—See "Contracts Awarded."

WALLS, FENCES and COPING — **San Francisco, Calif.**—See "Streets and Roads."

HEATING PLANT — **London, Ont.** — Sept. 11, by W. P. Near, engr., City Hall, 1,400 hp. water tube boiler with automatic underfeed stokers at city hospital, for City Council. $35,000.

PIER—**Whitby, Ont.**—Sept. 4, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, reconstructing 513 ft. superstructure Western Entrance Pier.

Bids Received

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 2, Route 106, Rapid Transit R.R. along and under McCombs Park Dam, East 161st St., Grand Blvd. and Concourse, from La Rocca Constr. Co., 717 St. Nicholas Ave., $5,922,000. Noted Aug. 9.

Contracts Awarded

PIER EXTENSION—**Buffalo, N. Y.**—City, Bird Island Pier improvement, rock filled timber cribs sunk on prepared foundation, and submerged extension at trunk sewer to Amer. Constr. & Dredging Co., Inc., Genesee Bldg., $109,792 and $84,397 respectively.

PIER—**Bayonne, N. J.**—Gulf Refining Co., foot East 5th St., general contract 550 ft. concrete pier, Constable Hook, to Foundation Co., 120 Liberty St., New York. Est. $175,000.

PIER TERMINAL—**Miami, Fla.**—Clyde Steamship Co., Pier 36, North River, New York, pier terminal, to Gunn & Goll, Security Bldg., $30,000. Noted July 12 under "Buildings—Industrial."

CULVERTS—**Cleveland, O.**—City, 486 x 12 ft. rein.-con. culvert in Forest Hill Parkway, to Speedway Constr. Co., 3441 Lee Rd., $18,000—culvert in Giddings Brook, to C. L. Moore, 14630 Strathmore Ave., $22,587.

GRADE SEPARATION—**Detroit, Mich.**—Wayne Co. Rd. Comn., 3800 Barlum Tower, grade separation to carry highway under Pere Marquette tracks, on Warren Ave., to Closser Bros., 8427 Senator Ave. $80,000.

GAS LINE—**Texas and Oklahoma**—Consolidated Gas Utilities Co., Amarillo, Tex., and Enid, Okla., 160 mi. 16 in. gas pipe line between point near Amarillo, Tex., to Enid, Okla., to Williams Bros., Inc., c/o owners, $4,500,000.

GAS PIPE LINE—**San Antonio, Tex.**—San Antonio Pub. Serv. Co., c/o E. H. Kifer, St. Marys and Crockett Sts., 21 mi. 8 in. gas pipe-line around city, own forces. $325,000. Private plans.

AERODROME and SEAPLANE STATION—**Ottawa, Ont.**—Dpt. Natl. Defence, aerodrome and seaplane station, at Rockliffe, to MacDonald Bros., 212 Gloucester St., $53,000. Noted Nov. 3.

Materials

Bids Desired

STEEL PIPE, etc.—**Wash., D. C.**—Sept. 10, by A. L. Flint, genl. purch. officer Panama Canal, steel pipe, boiler tubes, chain, street lamp bases and shafts, insulated wire and cable, transformers.

TURNTABLES—**Cincinnati, O.**—Sept. 4, by H. C. Potter, at office W. J. Hiner, purch. agt. Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., 230 East 9th St., 110 foot turntables.

LAMP STANDARDS — **Chicago, Ill.** — Sept. 6, by Dpt. Gas & Electricity, City Hall, ornamental c.i. lamp standards. M. J. Kennedy, comr.

RUBBER FLOORING—**Milwaukee, Wis.**——Sept. 5, by Central Bd. purchases, J. W. Nicholson, purch. agt., 20,543 sq.ft. rubber flooring for Cedar and 16th Street Bridges; 700 grey iron harp castings. Former bids rejected.

STRUCTURAL STEEL—**Sioux City, Ia.**—Sept. 4, at office Auditor Woodbury Co., 25,663 lb. structural steel for bridge. J. C. McLean, Sioux City, co. engr.

TANKS—**Minneapolis, Minn.**—Sept. 11, by F. S. Gram, city purch. agt., three 25,000 gal. oil tanks for Ward 13. N. W. Elsberg, city engr.

Bids Received

ASPHALT SAND, etc.—**Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Aug. 22, 10,000 cu.yd. asphalt sand, from Z. Mahoney, 557 46th St., $10,000; 4,500 cu.yd. 1½ in. coarse aggregate, from Colgan Contg. Co., 90 William St., New York, $6,840.

CAST IRON PIPE—**Chicago, Ill.**—City, City Hall, 1,920 tons 8 and 12 in. water pipe f.o.b. cars various pipe yards, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd. and Glamorgan Pipe & Fdry. Co., 128 South Michigan Ave., at $41.90 per ton each. Noted Aug. 23.

Contracts Awarded

OUTSIDE FACE BRICK—**Minneapolis, Minn.**—F. S. Gram, city purch. agt., 460,000 outside face brick, to Wunder-Klein-Donohue Co., 610 Baker Bldg., at $23 per 1,000.

Foreign

New Zealand, Wellington—Nov. 27, by Secretary P. Wks., Supplies & Tenders Com., 16,666 kva. generators and turbines. 2 turbines complete, 1 set spare parts and tools, 2 generators and exciters complete, 1 set spare parts and tools.

See proposal advertising on page 111

Constr. News page 121

UNIT PRICES

Dam—Albany, N. Y.

Ten bids were opened by Board of Water Supply, July 9, Alcove Dam at Hannacroix Creek; difference between low and average, 27 per cent. Dam is part of Albany's new water supply project. Whitman, Requardt & Smith, 11 North Pearl St., Albany, engineers. Robert E. Horton, Voorheesville, consulting engineer. Bids of engineer, lowest seven and highest bidders, are given below. (A) Engineer's Estimate; (B) Winston & Co., Kingston, (awarded contract); (C) J. J. Finn & Son, Albany; (D) A. Phelps & Sons, Detroit; (E) S. J. Groves & Sons Inc., Minneapolis; (F) Scott Bros. Co., Inc., Rome; (G) Rinehart & Dennis Co., Charlottesville, Va.; (H) J. M Ludington Sons, Inc., Rochester; (I) A. E. Johnson Corp., Long Island City.

	A	B	C	D	E	F	G	H	I
Stream control (lump sum)	$10,000.00	$4,000.00	$1,665.00	$2,000.00	$2,500.00	$2,000.00	$20,000.00	$3,500.00	$5,000.00
Clearing and grubbing (lump sum)	3,000.00	3,000.00	2,220.00	5,000.00	1,500.00	7,500.00	2,000.00	1,200.00	7,000.00
Stripping excavation, cu.yd.	1.00	1.00	.61	1.00	.75	.70	.75	1.00	1.00
Gen. earth excavation, cu.yd	.75	.60	.70	1.00	.75	.70	.75	1.00	1.40
Trench excavation—0 to 10 ft., cu.yd.	1.60	2.00	.67	3.00	1.25	2.00	1.00	1.65	2.20
Trench excavation—10 to 15 ft., cu.yd.	3.00	4.00	.78	4.50	3.00	3.50	2.00	3.00	3.50
Trench excavation—15 to 20 ft., cu.yd.	4.50	6.50	.89	6.75	6.00	5.00	3.00	4.00	6.50
Trench excavation—over 20 ft., cu.yd.	6.00	8.00	1.11	12.00	10.00	9.00	4.00	6.00	10.00
General rock excavation, cu.yd.	3.75	1.30	5.00	3.25	2.50	3.75	1.50	2.50	3.65
Rock excavation—(no blasting), cu.yd.	7.50	2.80	10.00	8.00	8.00	10.00	4.00	6.00	11.50
Grouting—in place, cu.yd.	35.00	8.00	27.00	25.00	45.00	15.00	50.00	40.00	33.75
Drill holes in rock or masonry, lin.ft.	2.00	1.00	6.66	3.65	2.00	.75	1.00	.50	1.00
Consolidated embankment, cu.yd	.75	.60	.53	.51	.65	.675	.75	.75	.62
Top soil, sq.yd.	.25	.20	.09	.10	.25	.15	.20	.20	.20
Grassing, sq.yd.	.08	.02	.08	.03	.05	.05	.10	.10	.04
Slope paving, cu.yd	.25	4.00	4.46	4.00	4.00	3.50	6.00	4.00	5.50
Grouted slope paving, cu.yd.	5.00	6.50	5.30	8.00	7.00	5.35	8.00	7.60	9.20
Concrete—heavy section, cu.yd.	12.50	9.50	12.75	13.50	11.00	11.25	12.00	13.00	14.20
Concrete—moderate section, cu.yd.	15.50	14.00	16.50	15.00	16.00	15.50	15.00	15.00	16.80
Concrete—thin section, cu.yd	18.50	20.00	17.66	21.00	22.00	17.50	20.00	25.00	26.00
Concrete in hand rail, cu.yd.	35.00	40.00	38.53	40.00	40.00	60.00	50.00	35.00	46.00
Concrete protection, sq.ft.	.03	.03	.06	.04	.06	.05	.02	.04	.04
Membrane waterproofing, sq.yd.	1.60	1.00	1.25	1.00	1.50	1.50	1.00	.25	1.15
Steel reinforcement, lb.	.055	.05	.045	.045	.06	.045	.05	.05	.0625
Sluice gates (lump sum)	14,750.00	8,500.00	11,428.00	11,000.00	12,000.00	12,500.00	7,000.00	9,200.00	11,155.00
Gate and miscellaneous valves (lump sum)	700.00	600.00	660.00	800.00	1,200.00	350.00	500.00	875.00	1,015.00
Miscellaneous iron and steel, lb.	.12	.14	.25	.24	.30	.185	.20	.17	.30
Iron castings, lb.	.08	.07	.24	.075	.12	.10	.10	.10	.15
Steel pipe (lump sum)	10,250.00	10,000.00	13,220.00	17,000.00	11,000.00	12,500.00	12,000.00	10,700.00	17,400.00
Cast iron pipe, lb	.04	.05	.05	.06	.06	.055	.04	.06	.10
Flanged pipe and spec. castings, lb.	.08	.10	.095	.10	.10	.0625	.10	.10	.15
Venturi meter (lump sum)	1,250.00	1,200.00	1,238.00	1,400.00	1,000.00	1,200.00	1,500.00	1,045.00	1,600.00
Gate house screens (lump sum)	650.00	900.00	1,196.00	1,095.00	1,000.00	1,050.00	1,000.00	1,300.00	1,300.00
Gate house superstructure (lump sum)	11,500.00	9,000.00	8,824.00	6,775.00	10,000.00	7,000.00	10,000.00	8,800.00	7,400.00
Overhead crane (lump sum)	1,150.00	750.00	1,272.00	800.00	1,000.00	1,200.00	1,000.00	820.00	1,275.00
Electrical work (lump sum)	3,000.00	4,500.00	3,219.00	2,450.00	3,500.00	3,700.00	3,500.00	3,200.00	4,200.00
Road paving, sq.yd.	3.00	1.00	1.53	1.30	1.75	4.00	4.00	2.00	2.20
Guard rail, lin.ft.	.80	1.25	.78	.50	1.00	1.25	1.00	1.25	1.10
Stop planks (lump sum)	1,000.00	2,000.00	1,774.00	2,185.00	400.00	1,000.00	2,000.00	2,050.00	500.00
Lumber in place, M. ft. B.M.	60.00	.01	.07	40.00	50.00	85.00	75.00	65.00	.01
Cleaning up (lump sum)	5,000.00	1,000.00	1,665.00	1,500.00	1,000.00	1,000.00	5,000.00	2,000.00	7,500.00
Totals	$927,704	$747,449	$864,816	$866,190	$873,250	$873,552	$903,855	$926,740	$1,007,654

Engineering News-Record, Issue of August 30, 1928.

Tunnel—Albany, N. Y.

Seven bids were opened by Board of Water Supply, July 26, Basic Creek Tunnel in Westerlo, difference between low and average, 20 per cent. This is the third link in new $12,000,000 water supply for Albany. Bidders are: (A) S. J. Groves & Sons, Inc., 306 Globe Bldg., Minneapolis, Minn. (awarded contract); (B) Tunnel Building Co., Philadelphia; (C) Rinehart & Dennis Co., Inc., Charlottesville, Va.; (D) Mason & Hanger, New York; (E) J. P. White Co., Passaic, N. J.; (F) J. F. Murphy Construction Co., Inc., New York; (G) A. E. Johnson Corp., Long Island City; (H) Engineer's Estimate. Whitman, Requardt & Smith, 11 North Pearl St., engineers. Robert E. Horton, Voorheesville, consulting engineer.

	A	B	C	D	E	F	G	H
3,300 cu.yd. earth excavation	$2.00	$2.20	$2.00	$3.00	$2.00	$3.00	$1.20	$1.75
50 cu.yd. rock excavation	6.00	3.50	5.00	8.00	8.00	4.00	10.00	5.00
200 cu.yd. grout	50.00	18.50	50.00	25.00	25.00	15.00	33.75	50.00
475 cu.yd. paving	7.00	5.00	5.00	5.00	3.00	12.00	5.50	3.50
1,075 cu.yd. concrete masonry	20.00	18.50	25.00	25.00	18.00	18.00	18.00	18.00
84,000 sq.ft. concrete protection	.06	.02	.10	.05	.03	.15	.04	.03
103,000 lb. reinforcing steel	.06	.04	.06	.05	.06	.06	.06	.055
6,000 lb. miscellaneous iron and steel	.10	.10	.20	.20	.06	.10	.15	.15
3,800 lb. cast iron pipe	.05	.05	.10	.075	.05	.07	.035	.04
Gate valve (complete) (lump sum)	50.00	45.00	100.00	50.00	50.00	100.00	100.00	50.00
45 M.ft. b.m. lumber left in place	35.00	60.00	1.00	20.00	70.00	30.00	.01	60.00
1,690 lin.ft. tunnel in earth	55.00	"A" 71.00"D"	65.00"D"	67.50	95.00	94.50"B"	102.50"B"	69.00
720 lin.ft. tunnel in earth and rock	60.00	or 71.00"D"	65.00"D"	67.50	95.00	90.00"B"	102.50"B"	80.00
400 lin.ft. tunnel in rock	65.00	"B" 71.00"D"	65.00"D"	67.50	95.00	90.00"B"	102.50"B"	85.00
Totals	$217,510	$242,243	$245,055	$246,010	$312,175	$319,751	$331,871	$270,096

Engineering News-Record, Issue of August 30, 1928.

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Apartments, etc., New Jersey, Giloan, Inc., Englewood, $10,000,000.

Railway, Virginia, Virginia & North Western Ry. Co., $7,500,000.

Plant, London, Ont., Steel Co. of Canada, expending $6,000,000-$7,000,000.

Power house, Kearny (sta. Arlington), N. J., Delaware, Lackawanna & Western R.R. Co., New York, sketches, $4,250,000.

Hotel and pier, Ocean City, N. J., Owner c/o G. Kesiter, New York, engr., sketches, $4,000,000.

Hospital, New York, N. Y., Bellevue & Allied Hospitals, $3,750,000.

Non-ferrous metal mill, Cicero, Ill., Western Electric Co., Chicago, $3,000,000.

Railway, West Virginia, Guyandotte & Tug Ry. Co., Roanoke, $2,500,000.

Hospital, Cleveland, O., Election Nov. 6, $2,425,000.

Engine terminal, Cincinnati, O., Chesapeake & Ohio Ry., Richmond, Va., expending $2,300,000.

Hospital, Jersey City, N. J., C. H. Ziegler, archt., bids in October, $2,000,000.

Roads, etc., Edwardsville, Ill., Madison Co., election Nov. 6, $1,850,000.

Apartment hotel, New York, N. Y., Master Building, Inc., plans, $1,700,000.

Distribution lines, Omaha, Neb., election Sept. 25, $1,500,000.

Armory, Jersey City, N. J., State Military Bd., $1,500,000.

Roads, Muskogee, Okla., Muskogee Co. voted $1,500,000.

Apartment, New York, N. Y., Two Hundred Twenty Five West 71st St., $1,300,000.

Church, Erie, Pa., Park Central Presbyterian Church, $1,000,000.

Excavation, Vandalia, Ill., Oka Valley Outlet D. D., $1,000,000.

Office, Honolulu, T. H., Alexander & Baldwin, Honolulu, $1,000,000.

Bids Desired

Commercial building, Phila., Pa., Sept. 24, by Reading Co., $3,000,000.

Theatre and convention hall, Asbury Park, N. J., Sept. 25, by Bd. City Comrs., $2,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 129a.

Temple, Kansas City, Mo., Sept. 12, by Keene & Simpson, archts., for owners, $1,500,000.

Bids Received

Subway, Brooklyn, N. Y., Bd. Transportation, Route 107, from Necaro Constr. Co., New York, $5,611,000.

Subway, Brooklyn, N. Y., Bd. Transportation, Route 109, from Cornell Constr. Co., New York, $2,974,000.

Contracts Awarded

Gas line, Tennessee and Louisiana, Memphis Natural Gas Co., Memphis, Tenn., to Ford, Bacon & Davis, Inc., 115 Bway., New York, $7,000,000.

Church and apartment, New York, N. Y., Second Presbyterian Church to Church Eng. Co., est. $2,000,000.

Waterworks, Dallas, Tex., Bd. City Comrs. to Uvalde Constr. Co., $1,176,677.

Department store, Dallas, Tex., Titche-Goettinger Co., to Watson Co., $1,000,000.

Railway, Kentucky, Southern Ry. Co., Wash., D. C., to Brooks-Callaway Co., Atlanta, Ga., est. $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Massachusetts—Towns of Harwich, Dennis, Chatham and Yarmouth, new central waterworks. To exceed $15,000. Chase & Gilbert, 250 Stuart St., Boston, archts.

Mass., Newton (Ind. br. Boston) — Bd. Aldermen culvert at Laundry Brook. $18,110. Private plans.

Mass., Provincetown — Town, Water Comrs., W. H. Paige, chn., 1 story, brick pumping station. $40,000. Private plans.

N. J., Trenton—Hamilton Twp. mains. $40,000. C. S. Sincerbeau, Mechanic Bldg., engr.

Ala., Alabama City — For 1 m.g. filter plant, 2 mi. 10 and 6 in. c.i. pipe, 300,000 gal. steel reservoir, pumps and basins. $75,000. Polglaze & Basenberg, Amer. Trust Bldg., Birmingham, engrs.

Ala., Linden — Polglaze & Basenberg, engrs., Amer. Trust Bldg., Birmingham, bids about Sept. 20 filter plant, 21,000 ft. 6- to 10-in. c.i. distribution system, reservoir, for Warrior Water Co. $55,000.

Ala., Red Bay—Polglaze & Basenberg, engrs., Amer. Trust Bldg., Birmingham, bids about Sept. 20, filter plant, 16,000 ft. 6- to 10-in. c.i. distribution system, reservoir, for Warrior Water Co. $45,000.

La., Violet—Extending mains from Arabi Packing Co. to here. $90,000. A. M. Blamphin, Audubon Bldg., New Orleans, engr.

Tenn., Ripley—Extending 16,500 ft. 6 and 8 in. c.i. mains. $25,000. Long & Co., Bennie Dillon Bldg., Nashville, engrs.

Illinois — Private Corp. forming, c/o W. A. Fuller Co., engrs., 1912 Railway Exch. Bldg., St. Louis, Mo., granted franchise waterworks to serve towns of Virden and Girard, incl. impounding reservoir, 1 m.g.p.d. filtration plant, 100,000 gal. tank on tower in each town, total 107,000 ft. 4- to 10-in. c.i. mains, 100 fire hydrants. $210,000.

Ia., Cedar Rapids—For 3.24 mi. 24 in. main Prairie Creek to city, pumping plant, deep well, water softening plant. $550,000. H. R. Green Co., Bever Bldg., consult. engrs. Noted Apr. 19.

Mo., Poplar Bluff—Filtration plant, extending mains. $225,000. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.

Mo., St. Louis—See "Streets and Roads."

Tex., Dallas—Storage reservoir. $100,000. M. G. James, city secy.

Okla., Cherokee—Preliminary plans new water softening plant, 1 motor driven centrifugal pump. $20,000. F. H. Peckham, 603½ West Main St., Oklahoma City, engr.

Okla., Hobart — Waterworks improvements. $46,000. Benham Eng. Co., 1106-07 Perrine Bldg., Oklahoma City, engrs. Noted July 12.

Okla., Luther—New waterworks. $15,000. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—Preliminary plans extending 22,000 ft. 8 and 10 in. mains in Packington addition. $30,000. W. W. Small, City Hall, engr.

Wash., Seattle—City, construction, machinery and appliances for chlorinating plant at Lake Young, King Co. $36,400.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., Corcoran — Corcoran Irrigation Dist. votes assessment $120,000 to finance purchase lands, installing 2 pumping plants.

Calif., Monrovia—For 1,350 g.p.m. pump for Chapman Wells Pumping Plant. H. S. Gierlich, city engr.

Bids Desired

N. Y., New York — Sept. 14, by Bd. Trustees Bellevue & Allied Hospitals, C. A. Perilli, acting pres., 415 East 26th St., 8 in. watermains with connections on grounds Fordham Hospital.

N. Y., St. George — Sept. 14, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Post Lane, Edgewood Rd., Buel, Cornelia, Fremont, Henderson, Lincoln, Osborn, Raymond, William, Wiman and Winant Aves., Clawson, Hunton, King, Kramer, 1st and 2nd Sts.

N. J., Island Heights—Sept. 12, by Boro Council, 280,000 gal. standpipe, 5,750 lin.ft. c.i. pipe, fittings, gate valves. $31,000. Sherman & Sleeper, 501 Cooper St., engrs. Noted June 21.

N. C., Greensboro—Sept. 11, by Mayor and City Bd., 18 m.g. concrete clear water reservoir connected with filtration units in pumping station, also concrete bridge over Lake Daniel basin. P. C. Painter, city engr. Noted Apr. 26.

La., Sulphur—Sept. 18 (extended date), by Mayor and Bd. Alderman, waterworks, distribution system. $60,000. L. J. Voorhies, Baton Rouge, engr. Noted Aug. 30.

Ill., Chicago—Sept. 11, by City, City Hall, water service pipes in 21 streets and avenues. M. J. Faherty, pres. Bd. Local Impvts.

Bids Received

Wash., Tacoma—City Council, Aug. 15, 6,917 ft. 32 in. steel mains in East 11th St. and Taylor Way, from Birchfield Boiler Co., Tacoma, $35,647.

Contracts Awarded

N. Y., Fredonia—City, 1 m.g.p.d. rein.-con. filtration plant, to A. Phelps & Son, Detroit, Mich., $64,350.

N. J., Orange — Bd. City Council, City Hall, general contract 1 and 2 story, 67 x 106 ft., brick, steel filtration plant, to E. M. Waldron, Inc., 40 Park Pl., Newark. Est. $100,000. Noted Aug. 16.

La., Kaplan—Mayor and Bd. Alderman, 1 multiple cylinder, vertical type, cold start diesel oil engine with motor and exciter; 500 g.p.m. fire pump direct connected with 3 phase slip ring motor, to Fairbanks Morse Co., 1000 St. Charles St., New Orleans, $18,702; rewiring switchboard, to Electrical Supply Co., 201 Magazine St., New Orleans, $1,044. Noted Aug. 2.

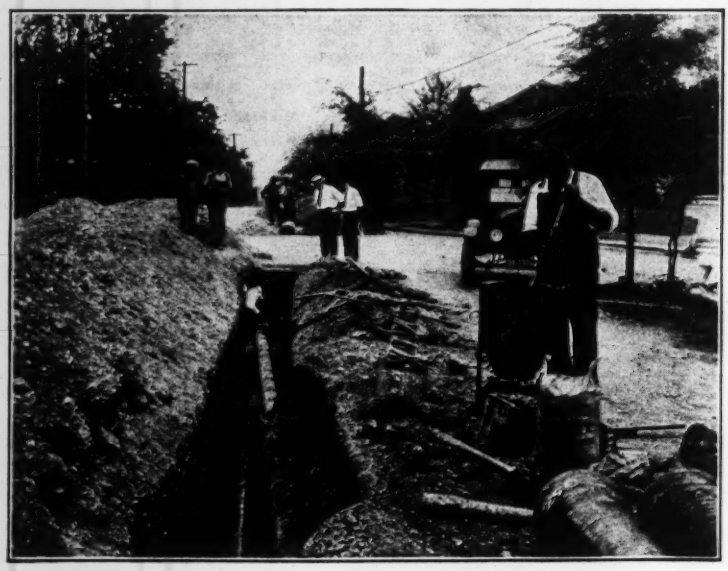
Ill., Highland Park—Village, 4,545 ft. 6 and 8 in. mains in Wood Ridge Subdivision, and 30,950 ft. 6- to 10-in. mains in Sherwood Manor and J. S. Hovland High-

See proposal advertising on page 155

Constr. News page 123

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office



Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

This illustration shown here is a scene from an installation where Leadite was used with c. i. bell and spigot pipe.

These lines are in one of the fastest growing cities in the South. The speed of Leadite jointing makes it possible to lay pipe fast enough to keep up with the new building and real estate expansion.

In addition, Leadite joints are permanent. For over 30 years Leadite has been tested and used under all pipe laying conditions and has proven completely satisfactory.

The saving of labor time and advantages of using Leadite produce a saving of over 75% of the cost of making the joints.

Benefit by the experience of thousands of engineers, superintendents and contractors who have used Leadite.

Specify and use **LEADITE** It saves at least **75%**

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years

THE LEADITE COMPANY
Land Title Building - - Philadelphia, Pa.

NO CAULKING

Waterworks (Continued)

and Park Acres, to E. A. Meyer Constr. Co., Highland Park, $77,824. Noted June 21.

Ill., Westchester (mail Bellewood) — Water meter stubs, to Walsh & Metzger, 6828 South Chicago Ave., Chicago, $13,059, to P. J. Collins, 5521 Bway., Chicago, $33,-238, and to G. D. Hardin, 3139 Indiana Ave., Chicago, $23,793. Grand total $70,190.

Kan., Belleville—Waterworks improvements, to Layne-Western Co., 405 Mutual Bldg., Kansas City, Mo., $145,000. Noted Aug. 23.

Kan., Centralia—W. R. Wolff, city clk., waterworks, to R. Knox, Clyde, $25,000. Noted Aug. 9.

Mo., St. Louis—Bd. P. Serv., City Hall, 2 sludge pump houses for Missouri River Waterworks Station, Howards Bend, St. Louis Co., to William MacDonald Constr. Co., Chemical Bldg., $22,746. Est. $20,000. Noted July 12.

Tex., Dallas—For 111,560 ft. of 16- to 36-in. concrete c.i. or steel pipe line, to Uvalde Constr. Co., Santa Fe Bldg., $1,-176,677. Noted Aug. 2.

Calif., Tracy—G. L. Frerichs, city clk., 100,000 gal. steel tank and tower, to Pittsburg-Des Moines Steel Co., Rialto Bldg., San Francisco, $7,285; extending waterworks, to W. J. Tobin, 527 Santa Ray Ave., Oakland, $28,132. Noted Aug. 23.

Ont., Blind River—M. Dyke, town clk., laying mains, to A. Chercho, North Bay, $76,000. Noted Aug. 2.

Ont., Toronto — Scarborough Twp., general contract 1 m. imperial g.p.d. waterworks filtration plant, to R. H. MacGregor, 261 Donlands Ave., $39,050; filter equipment, to Water Equipment Co., 145 Wellington St. W., $7,095. Est. $50,000. Noted Aug. 23.

Sewers

Proposed Work

N. J., Maywood (sta. Hackensack)—Bd. City Council, Municipal Bldg., preliminary plans trunk storm sewer in Park Way, Lincoln and Wyoming Aves., Williams and Passaic Sts. $35,000. McClave & McClave, 600 Gorge Rd., Cliffside, engrs.

N. J., Westfield — Town Council, Town Hall, storm sewer in Lambert Mill Rd., Clarence St., Grandview and Jefferson Aves. $25,000. J. Hopkins, town engr.

Md., Baltimore—Bd. Awards rejected bids Aug. 22, sewers, storm drains in Sewer Dist. H-1, Storm Water Contr. 117. M. J. Ruark, sewerage engr. Noted Aug. 16.

Miss., Decatur—Preliminary plans sanitary sewers, waterworks, distribution mains. $40,000. Morgan & Co., Edwards Hotel Bldg., Jackson, engrs.

Miss., Lucedale—Preliminary plans complete sewerage system. $40,000. Morgan & Co., Edwards Hotel Bldg., Jackson, engrs.

Mich., Royal Oak (Ind. br. Detroit) — For 9,265 ft. 10- to 21-in. vitr. or concrete sewers in Dists. 12, 13 and 26. $30,000. Hoad, Decker, Shoecraft, Ann Arbor, engrs.

Ill., Girard—Preliminary plans 8 and 10 in. sewers, disposal plant, auxiliary piping. $50,000. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ill., Virden—Preliminary plans sewerage system, disposal plant, 8 and 10 in. sewers. $80,000. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Wis., Whitefish Bay (Milwalkee P. O.)—Storm sewer in Birch Ave., also laterals. $400,000. T. F. Buckley, Whitefish Bay, engr.

Ia., Oelwein — Extending sewers, incl flush tank. $25,000. Barber & Schenk, Waterloo, engrs.

Neb., Gordon—Preliminary plans sewage disposal plant, Imhoff tank, filters, auxiliary piping. $30,000. Henningson Eng. Co., 326 Union State Bank Bldg., Omaha, engrs.

N. D., Fargo—City Clerk bids about Sept. 5, sewers. $40,000. W. P. Tarbell, city engr.

Mo., St. Louis—See "Streets and Roads."

Ark., Pine Bluff — Preliminary plans sewerage system in northeast section city. $50,000. F. R. Allen, city engr.

Ark., Sheridan—Preliminary plans main and lateral sewers, disposal plant in Sewer Impvt. Dist. 1. $38,000. F. R. Allen, Pine Bluff, engr.

Tex., Austin—City Manager soon takes bids sewers in Guadalupe St. $115,000. H. R. F. Helland, city engr.

Tex., Austin—A. R. Johnson, city mgr., soon takes bids sanitary sewers in Country Club Dist. $125,000. H. R. F. Helland, City Hall, engr.

Tex., Austin—H. A. Levander, city supt., 10 blocks storm sewers. $100,000. H. R. F. Helland, City Hall, engr.

Tex., Austin—City, c/o A. R. Johnson, mgr., 3,200 ft. 42 and 54 in. concrete sewer in Comal St.; 4,500 ft. rein.-con. sewer Guadelupe St., $116,000; 2,847 ft. Oldham St.; improving sewers in various streets, $125,000. H. R. F. Hellard, City Hall, engr.

Tex., Hallettsville — Election Sept. 17, $35,000, sewerage system.

Okla., Lawton—Sewers, disposal plant. $150,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs. Noted June 14.

Ont., Hamilton—Council overflow sewer on Gage Ave., extending other sewers. $500,000. W. L. McFaul, City Hall, engr.

Ont., Hanover—For 2 mi. 8 in. and up vitr. tile sewers. $25,000. Ontario Eng. Co., Fort Erie, engrs.

Ont., Palmerston—Town Council activated sludge sewage disposal plant. $35,000. F. W. Thorold, Town Hall, engr.

Bids Desired

N. Y., Brooklyn — Sept. 12, by J. J. Byrne, pres., Brooklyn Boro, Boro Hall, sewer in Avenue S and Lenox Rd.

N. Y., Mamaroneck — Sept. 10, by Bd. Sewer Comn., Edgewood Rd., Larchmont, 5,700 lin.ft. 8- to 18-in. vitr. and 443 c.i. sewers; adv. E. N.-R. Sept. 6.

N. Y., St. Johnsville—Sept. 14, at office W. Wilsey, village clk., 2,200 lin.ft. 15 and 16 in. c.i. trunk sewers. M. Vrooman, Gloversville, engr.; adv. E. N.-R. Sept. 6.

N. J., Highland Park—Sept. 10, by City Council, 14,779 lin.ft. 8 and 12 in. vitr. sewers. R. P. Wilson, 46 Paterson St., New Brunswick, engr.

N. J., Newark—Sept. 11, by G. C. Bergen, purch. agt. Essex Co., Hall of Records, 1,125 ft. storm drains in Branford Ave. and 450 lin.ft. 24 in. rein.-con. sewers in Gregory Ave., for Bd. Freeholders Essex Co.

Md., Baltimore—Sept. 13, by Bd. Awards, storm water drains in Sewer Dist. P-3, Storm Water Contr. 120 and Sewer Dist. P-4, Storm Water Contr. 122. M. J. Ruark, sewerage engr.

Miss., Pelahatchie — Sept. 14, by J. L. Atkins, city clk., 2,100 ft. 8 in. vitr. clay sewers, 12 manholes, 800 ft. house connections. Morgan & Co., Inc., Edwards Bldg., Jackson, engrs. Noted May 31.

Ill., Chicago — Sept. 11, by City, City Hall, drains in 42 streets and avenues; tile sewers with brick manholes, catch basins in 10 avenues. M. J. Faherty, pres. Bd. Local Impvts.

Tex., Corpus Christi—Taking bids storm sewers in Morgan St. between 19th St. and the Bay. $40,000. H. Levinson, city engr.

Okla., Clinton — Sept. 17, by W. A. Shouse, city clk., 14,200 ft. 8 in. rein.-con. sewer in Sewer Dist. 6. $28,000. Banham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Oklahoma City—Sept. 11, by M. Peshek, city clk., 2,400 ft. 48 in. rein.-con. sewers in May Ave. $30,000. W. W. Small, City Hall, engr.

Calif., Los Angeles—Sept. 26, by Bd. P. Wks., sewage pumping equipment in North Outfall Screening Plant at Hyperion.

Bids Received

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Aug. 30, sewer in (1) Ely Ave. (2) 21st Ave. (3) 50th St. (4) 62nd St. (5) 70th St. (6) Bayside Ave. (7) 102nd Ave. (8) 102nd Rd. (9) 109th Ave. (10) Jamaica Ave. (11) Sutphin Blvd., from J. Gallo Co., 35-10 Bway., Brooklyn. (1) Proposal 3 $88,925; from Lione Constr. Co., (2) Proposal 1, $1,833; from A. Mannano, 263 86th St., Brooklyn (3) Proposal 1 $2,280; from J. D. Walsh Co., 132 4th St., Brooklyn (4) Proposal 3 $21,348 (6) Proposal 1 $714; from J. H. Johnson Co., 37 Brittin Ave., Elmhurst (5) Proposal 1 $23,535 (4) Proposal 1 $33,984; from Murphy & Richmond, Inc., 50 Court St., Brooklyn (4) Proposal 4 $27,422 (5) Proposal4 $24,381; from Manmill Constr. Co., 1780 Pitkin Ave., Brooklyn (5) Proposal 3 $24,314; from D. A. Gross, 8515 Fulton St., Woodhaven (7) Proposal 1 $1,436 (8) Proposal 1 $1,470; from A. W. Matarazzo, 1163 61st St., Brooklyn (9) Proposal 1 $34,481 (8) Proposal 3 $34,393; from Flushing Contg. & Eng. Co., 66 Wyoming Ave., Flushing (9) Proposal 4 $34,461 (10) Proposal 2 $6,601; from E. Clemente, 9414 108th Ave., Brooklyn (10) Proposal 1 $4,529. Noted Aug. 23.

N. J., Caldwell—Bd. Boro Council, Municipal Bldg., sewer in Smull Ave., from C. DeFazrio, 109 Whittlesey Ave., West Orange, $26,365. Noted Apr. 12.

Ala., York—Storm and sanitary shoulders, river disposal, from Hancock Bros., 310 St. Michael St., Mobile, $35,933.

Tenn., Knoxville—City (1st unit) South Knoxville Sanitary Sewer through 25th St., from V. B. Higgins Co., Charlotte, N. C., $62,445; replacing Western Avenue handrailing, from Knoxville Roofing & Paving Co., 910 Grainger St., $5,419.

Mich., Detroit—Dpt. P. Wks., 4,672 ft. 7 ft. 6 in. to 4 ft. 6 in. cylinder River Rouge Interceptor E, Sect. 7, in Fenkell and Riverdale Sts., from J. Loquer, Transportation Bldg., $81,368.

Calif., Los Angeles—For 42,480 ft. 6 and 8 in. D. & W. vitr. sewer in Belleflower Unit 1, Ardmore and Clark Aves., Impvt. 794, and 55,450 ft. 8- to 18-in. vitr. sewers Hynes-Clearwater Sect. Adams and Centre Sts., Impvt. 743, from Brkich, Ramljak & Grizel, Los Angeles, $63,818 and $147,427 respectively; 1,000 ft. and 2,000 ft. rein.-con. drain in Verdugo Wash. between Glenoaks Blvd., and Geneva St., from S. W. Gleim, 240 Byrne Bldg., $13,337 and $26,740 respectively.

Contracts Awarded

Mass., Boston—Sewerage works in D St. South Boston to C. Russo, 499 Beech St., Roslindale, $22,856. Est. $25,000.

Conn., Bridgeport — Completing syphon sewer, Burr Creek, Black Rock, to Bridgeport Dredge & Dock Co., 1024 Main St., $27,588.

N. J., Maywood (sta. Hackensack)—Boro Council, Boro Hall, sanitary sewer in Coles St., Spring Valley, Maywood, Stelling, Paterson, Rutherford and Collingswood Aves., to G. DiNapoli, Inc., 80 Main St., Hackensack, $36,390. Noted Aug. 16.

N. J., Midland Park — Bd. Freeholders Bergen Co., Court House, Hackensack, storm drain in Glen Ave., to G. F. Brackett, Heights Rd., Ridgewood, $29,758.

N. J., Newark—Essex Co., Hall of Records, sewers in Roseland Ave., to M. Bolce, 4810 Hudson Blvd., West New York, $11,-008; Chancellor Ave., to Maduro & Testa, 67 Day St., Montclair, $16,014; around Essex Co. Penitentiary, to Frazier Constr. Co., 62 East 15th St., Paterson, $5,259. Grand total $32,371. Noted July 26.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Survey, to Jafalla & Mark, Inc., 608 Lindley Ave., main sewer in Mansfield Ave. $115,737; to Higgins & Reilly, Real Estate Trust Bldg., Robbins St. $66,514; to Mazzola & Marano, 739 South 7th St., Tabor Ave. $78,234; to Vattiere & Pontarelli, 523 Rising Sun Ave., branch sewer in Ashley, 18th and Penfield Sts. $46,430, Bristol St. $8,962, G St. $19,-901, H St. $8,149; to J. T. McDonnell & Co., 2513 South Front St., Dorel St. $4,201; to Campbellone & Diorio, 3856 North Front St., Dungan St. $2,718, Hartel St. $2,421, Snyder Ave. $3,930; to F. Jafalla, Cheltenham, 4th St. $5,424; to Perna & Mattia, 310 North 65th St., Gilham St. $10,449; to A. J. Henderson, 825 East Washington Lane, Boyer and Roumfort Sts. $21,319; to Garson & Garson, 1243 North 58th St., Ruskin Rd. $8,510. Grand total $402,899. Noted Aug. 9.

Md., Towson — Baltimore Co., Court House, sewers in vicinity Arbutus and Halethorpe, to Chesapeake Constr. Co., 216 St. Paul St., Baltimore, $92,791. Noted July 26.

Va., Richmond—Noble Avenue Sewerage System, to Van Doren Bros., 2911 Hawthorne Ave., $86,974.

W. Va., Star City—Sewerage system, to Nero & Patrick Constr. Co., Cleveland, O., $32,304.

N. C., Fayetteville—For 17,564 ft., 8 to 22 in. vitr. sewers, to Porter Constr. Co., Charlotte, $28,834.

Ala., Parish—For 13,500 ft. 6- to 10-in. vitr. clay sanitary sewers, septic tank, to J. B. McCrary Co., City & State Bank Bldg., Atlanta, Ga., $21,000.

O., Cincinnati—C. O. Sherrill, city mgr., City Hall, Mill Creek Intercepter Contr. 8, 6,225 ft. 48- to 54-in. rein.-con., and 1,720 ft. 8- to 15-in. vitr. clay pipe, to Cannell-Conrad Constr. Co., Todd Bldg., Louisville, Ky., $126,024. Est. $237,499.

O., Cleveland Heights (Warrensville P. O.)—To Janashek & Callow, 13606 Union Ave., Cleveland, sewers and water mains in Woodview Ave. $3,942, Renfield Ave. $11,150, Keystone Ave. $10,135, Quarry Dr. $12,189. Grand total $37,416. Noted Aug. 2.

Mich., Birmingham—For 19,768 ft. 6- to 21-in. vitr. sewers, Assessment Dists. 123 and 144, Golf View Heights Subdivision, to Bradley & McDermott, Birmingham, $32,047.

Mich., Detroit—Dpt. P. Wks., Fenkell Ave. Arm Sects. 1 and 2, and Lyndon Ave. Sewer Sects. 1 and 2, to J. A. Mercier-Brandon Co., 616 Hammond Bldg., $471,499; Fenkell Ave. Sewer Sect. 3, to J. Loguer, Transportation Bldg., $102,636; Puritan Ave. Sewer Sect. 2, to Wayne Constr. Co., 1901 Washington Blvd. Bldg., $73,572, all foregoing East of River Rouge; Norfolk Ave. Arm East of Hubbell Ave. Sewer, Rouge River Interceptor East, Sect. 5, and Puritan Ave. Sewer Sect. 1, East of River

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OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Sewers (Continued)

Rouge, to Detroit Drainage Constr. Co., 8725 Agnes Ave., $335,236; Warren Ave. Arm West of Southfield Sewer, to Oakwood Constr. Co., Oakwood Ave., $232,945. Grand total $1,215,888. Noted Aug. 2.

Ill., Columbia — Sewerage system, to Thompson Constr. Co., 207 West 4th St., Davenport, Ia., $4,964. Est. $70,000. Noted July 12.

Ill., Mount Olive—Sewerage system, disposal plant, Dist. 2, to Hawk & Brockner, Monee. Est. $85,000.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to P. & L. Co., 1107 Humboldt Ave., sewer in alley west of 39th St. $935, Nash St. $417; to Wenzel & Henoch, 498 27th St., Burdick Ave. $968, Griffin Ave. $495, Howell Ave. $9,740, North Ave. $2,037; to Dervos & Holquist, 457 Mineral St., 1 row $660, 11th Ave. $1,067, 29th Ave. $6,628, Windemere Court $1,664, to Clayton Constr. Co., Port Washington Rd. and Genks Ave., Chase Ave. $26,502; to Zimmermann & Zimmermann, 2826 State St., East Holt Ave. $14,584; to J. Brogan & Son, 16th St. and North Ave., Whitnall Ave. $8,997; to General Contractors, 86 48th St., Dakota St. $5,119. Grand total $78,613. Noted Aug. 16.

Ia., Creston—B. Tallman, city clk., 3,100 ft. 15- to 48-in. brick, concrete sewers, to H. J. Petersen Co., 303 Baum Bldg., Omaha, Neb., $9,409. Noted Aug. 2.

Minn., Alexandria—H. S. Campbell, city clk., sewerage system, to Starbuck Constr. Co., Starbuck, $66,000; disposal plant, pumphouse, to T. Jensen, St. Cloud, $65,000. Noted July 26.

Kan., Topeka—Sewage disposal plant, to Carrothers Constr. Co., 6803 East 39th St., Kansas City, Mo., $39,000. Noted May 19, 1927.

Mo., Kansas City — Sanitary sewers in Dist. 336, Div. 5, to T. P. Thompson, 3908 Forest Ave., $25,565.

Mo., St. Louis—Bd. P. Serv., City Hall, to F. A. Stiers, Magazine St. and Garrison Ave., Hampton Ave. Joint Sewer, $36,425; to R. C. Micotto, 2516 Arlington Ave., Wherry Ave. Dist. Sewer 2 $7,958, Rock Creek Dist. Sewer 14 $2,913, 16 $589, 17 $3,305, Highland Dist. Sewer 1 $1,553; to F. M. Luth, 4135 Flora Ave., Des Peres Sewer 4, $17,480. Grand total $70,223. Noted Aug. 9.

Tex., Houston—Concrete storm sewerage system in Yale St., to Standard Constr. Co., 523 Esperson Bldg., $134,000. Est. $160,000. Noted July 19.

Tex., San Juan — Sewerage system, to Agar & Gentry, San Benito, $75,000. Noted Aug. 23.

Okla., Shawnee — Sanitary lateral sewer in Dist. 114, to H. L. Cannady Co., 1122 South Lewis St., Tulsa, $32,698.

Wash., Seattle—Bd. P. Wks., sewers in 10th Ave. S., to F. N. Badolato, Box 561, $36,151.

Calif., Los Angeles — Vitr., concrete sewers in Colorado Blvd. and Floristan Ave. Sewer Dist., to J. Chutuk, Wilcox Bldg., $84,418.

Calif., Montebello — Vitr. sewers, manholes, in Maple Ave. and streets, to H. H. Peterson, 1711 West Atlantic St., San Diego, $55,007.

Calif., San Rafael—Outfall sewer, pumping plant, to Frederickson & Watson, 354 Hobart St., Oakland, $82,923.

Ont., Sandwich — Sewers in Lena St., Manchester and Matchette Rds., to Colautti Bros., 612 Langlois Ave., Windsor, $35,000. Springs, 700,000 cu.yd. drainage work, to B. W. Robbins, Tupelo, $66,000.

Waste Disposal

Proposed Work

N. J., Bogota—Bd. City Council disposal plant addition. $50,000. R. L. Schweiger, Jr., boro engr.

O., Cleveland—City, W. S. Ferguson, dir. Pub. Serv., garbage disposal plant, incl. equipment, conveyors, mechanical feeders, separators, 16 h.p. destruction plant, brick, steel, concrete, Clark Ave. $850,000. C. O. Bartlett & Snow Co., 6200 Harvard Ave., engrs.

Contracts Awarded

N. Y., Syracuse—Bd. Contr. & Supply, 3 story, incinerator, to Huber Bros., Syracuse, $105,877. Noted Aug. 16.

N. J., Paterson—Bd. P. Wks., City Hall, power plant at refuse incinerator plant, to Turbine Equipment Co., 30 Church St., New York, $24,994. Noted July 26.

Bridges

Proposed Work

Mass., Saugus — Town, Bd. Selectmen rein.-con., bridge over Saugus River, on Woodbury Ave. $25,000 or more. Private plans.

N. J., Cranford—Twp. Com., Town Hall, preliminary plans additional span on bridge, on Union Ave. $50,000. J. Collins, twp. engr.

Virginia — State Hy. Comn., Richmond, expending $300,000, reconstructing bridges in various counties washed away by recent floods.

O., Youngstown—Bd. Control soon takes bids bridges, Forest Ave., $950,000, city appropriates $600,000 tunnel cost—Division St., $2,600,000—and bridge West Ave., $400,000, City $300,000 toward cost. G. Turner, Youngstown, engr.

Mich., Orion—One 75 ft. single span rein.-con. arch bridge from Mainland to Bellevue Island. $25,000. Vernor, Wilhelm & Shreve, 750 Book Bldg., Detroit, engrs.

Tex., Albany — State Hy. Comn., R. S. Sterling, chn., Austin, 150 ft. steel truss and nine 31 ft. concrete girder spans, 155 ft. concrete pile trestle over Clear Fork Brazos River on Hy. 23, Shackelford Co. $70,000. T. E. Pirie, Albany, co. engr.

Tex., Anderson—State Hy. Comn., R. S. Sterling, chn., Austin, one 160 ft. steel and twelve 26 ft. rein.-con. girder approach span bridge, earth fill approaches over Navasota River, Hy. 6, Grimes Co. $90,000. O. H. Seward, Jr., Navasota, engr.

Tex., Navasota—Anderson Co., steel, concrete bridge across Navasota River, on Hy. 6. $90,000. O. A. Seward, Navasota, engr.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans 2 span 190 ft. steel truss bridge on piers over Coon Creek, on Hy. 64, near Taft, Muskogee Co., $40,000; 7 span 1,400 ft. bridge over Arkansas River, at Sand Springs, Tulsa Co., $60,000. C. R. Mandigo, hy. engr.

Calif., Caspar—Mendocino Co. (Ukiah) 500 ft. concrete bent trestle over Caspar Creek, near here.

Calif., Rumsey—Yolo Co. (Woodland), 3 span steel bridge over Cache Creek, near here. $50,000. A. G. Proctor, Woodland, co. engr.

Que., St. Bruno—Town Council bridge. $250,000.

Ont., Hamilton—City Council steel, concrete bridge over railway tracks, on Mary St. $60,000. W. L. McFaul, City Hall, engr.

Bids Desired

N. Y., Long Island City—Sept. 11, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, bridge over Myrtle Ave., Forest Park.

Pa., Phila.—Sept. 13, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., bridges, Contr. 70-1928.

Maryland — Sept. 11, by State Roads Comn., Baltimore, double span rein.-con. arch bridge over Gunpowder Falls, Contr. B-90, Baltimore Co.—single span rein.-con. arch bridge on Paper Mill Rd., Contr. B-93, Baltimore Co.—new slab and extension to abutments existing girder bridge, Contr. F-120, Frederick Co. J. N. Mackall, chn.

W. Va., Morgantown — Sept. 14, by Morgantown Co. Court, steel superstructure South Park Bridge. $100,000. W. S. Price, Morgantown, engr. Noted Apr. 9.

N. C., Greensboro—See "Water Works."

Miss., Indianola—Sept. 10, by Bd. Aldermen, altering, enlarging Indian Bayou Bridge, incl. 19 foundation pieces, 18 tons structural steel, 7,480 sq.yd. wearing surface, 1,700 sq.yd. concrete slab. R. I. Weissinger, clk.

Michigan—Sept. 19, at Macomb Co. Road Office, Mt. Clemens, S. R. Bridge 1 of 50-6-25, C 1 and 2, 7 span 320 ft. steel deck girder, for State Hy. Dpt., Lansing. C. L. Cowgill, Plymouth, resident engr.

Missouri—Sept. 14, by State Hy. Comn., Jefferson City, bridges in Audrain, Carroll, Cooper, St. Louis, Oregon, Scotland Counties. T. H. Cutler, ch. engr.

Texas—Sept. 17, by G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridge on Hy. 30, Knox Co., $31,600—bridge on Hy. 3, Kinney Co., $41,400.

Okla., Martha—Sept. 10, by E. Maxwell, clk. Jackson Co., 6 span 88 ft. rein.-con. bridge, 19.27 tons I-beam and 11.82 tons reinforcing steel. $25,000. J. C. Chisum, Altus, engr.

Wash., Cashmere—Sept. 18, by Comrs. Chelan Co., Wenatchee, steel, concrete bridge over Wenatchee River, near here. $55,000. M. M. Caldwell, Central Bldg., Seattle, engr.

Ont., Arnprior—Sept. 11, by T. H. Grant, town clk., 500 ft. beam and girder concrete, rein.-con. bridge, and dam over Madawaska River. $80,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Aug. 16.

Bids Received

New Jersey—State Hy. Comn., Trenton, bridge over Cape Island Creek, Cape May Co., from Whittaker & Diehl, Union Trust Bldg., Harrisburg, Pa., $126,988. Noted Aug. 8.

Michigan—E. R. Benkert, resident engr., Port Huron, Aug. 23, M. Bridge 2 of 32-20-3, C-1 and 2, one 45 ft. span, Huron Co., for State Hy. Dpt., Lansing, Contr. 1, from McClintic Marshall, 1242 Book Bldg., Detroit, $1,508; Contr. 2, from P. C. Raymond, Rochester, $8,755.

Louisiana — State Hy. Comn., Baton Rouge, Aug. 14, Chef Menteur Bridge, from Wisconsin Bridge & Iron Co., North Milwaukee, Milwaukee, Wis., $212,759; Rigolets Bridge, from Nashville Bridge Co., foot Shelby Ave., Nashville, Tenn., $413-239. Noted July 19.

Calif., Redding—State Hy. Dpt., Sacramento, Aug. 22, rebuilding bridge over Sacramento River, Shasta Co., near here, from R. B. McKenzie, Gerber, $29,610. Est. $32,506. Noted Aug. 9.

Contracts Awarded

Vermont — State Hy. Dpt., Montpelier, bridge in Milton, to Standard Eng. & Constr. Co., 2463 Bway. St., Toledo, O., $6,5676; overpass and bridge in Bethel, to C. I. Hosmer, 87 Prospect St., Greenfield, Mass., $75,840. Noted July 5.

North Carolina—State Hy. Comn., Raleigh, rein.-con., bridge, culverts on Project 6320, Gaston Co., to Hobbs-Peabody Constr. Co., Charlotte, $31,502. Noted Aug. 23.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, bridges on P-147-B, Carroll Co., to S. K. Jones Constr. Co., Cotton Exch. Bldg., Memphis, $66,257—P. 315-C, Decatur Co., to McAdoo Constr. Co., Union City, $55,896—P. 383-B, Giles Co., to Orr-Barnes Co., Chattanooga, $100,429. Grand total $222,582. Noted July 26.

Ia., Independence—One 50 x 20 ft. and one 60 x 20 ft. pony truss bridges, 24 x 24 ft. deck girder bridge, 32 x 24 ft. I-beam span, Project 548, to J. B. Elliott, Independence, $37,400.

Ia., Ottumwa — Louisa Co., 60 x 20 ft. pony truss bridge, 29 culverts, Project 250, Road 2, to Ingersoll Stoufer Eng. Co., Marshalltown, $34,300.

Kan., Eldorado—Butler Co., bridge on State Project 655, to R. K. Walters, Marion, $14,728; 4 bridges, to Western Bridge Co., Harrisonville, Mo., $14,854; Chelsea Rd. culverts and bridge, to Hampson Constr. Co., Fredonia, $8,950; bridges, to King & Kennedy, Eldorado, $3,939. Grand total $42,471. Noted Aug. 2.

Kan., Liberal—Seward Co., bridge on Federal Aid Project 369-A, to A. R. Mackey, Greeley, Colo., $33,227. Noted July 26.

Kan., Manhattan—Riley Co., bridges to Gustafson & Forsburg, Leonardville, $24,974, and to V. E. Almgren, Manhattan, $2,899 — sand-gravel surfacing Project 168-A, to Walter Bros., Manhattan, $5,283 —concrete guttering U. S. Rd. 40, to Reed & Wheelock, Clay Center, $4,087. Grand total $37,244.

Nebraska—Dpt. P. Wks., Lincoln, three 100 ft. pony truss span bridge on Norfolk-Columbus Federal Aid Project 5, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, $43,951—21 x 24 ft. treated timber trestle spans on Oakland-South Sioux City Federal Aid Project 49-A, to Beatty Contg. Co., Blair, $2,938—one 80 ft. truss and two 20 ft. I-beam approach spans on Bancroft-Pender Federal Aid Project 302-C, to Walters Constr. Co., Franklin graveling 2.2 mi. Lynch-Spencer State Rd. 286-K, to Engler Bros., Lexington, $1,939.

Montana — State Hy. Comn., Helena **(F.A.P. means Federal Aid Project)**, 855 lin.ft. timber pile trestle on F.A.P. 158-B, Unit 2, Custer Co., to Elliott & Nesbitt, Havre, $32,074—39 ft. steel I-beam bridge on Unit 2, same project, to E. R. Hays, Boseman, $7,432.

Arkansas—See "Stretes and Roads."

Oklahoma — State Hy. Dpt., Oklahoma City **(e.e. means engineers estimate)**, to Stephens County Constr. Co., Marlow, 5 span 106 ft. rein.-con. bridge at Westville, Adair Co. $23,165 e.e. $25,000; 2 span 160 ft. steel truss bridge on piers at Walters, Cotton Co. $26,025 e.e. $27,500; 5 span 82 ft. rein.-con. bridge at Christie, Cherokee Co., $23,665 e.e. $25,000; 6 span, 136 ft., rein.-con. bridge at Okemah, Okfuskee Co., $28,439 e.e. $30,000, to Southwestern Constr. Co., Ardmore, 2 span, 160 ft. steel truss bridge on concrete piers at Apache, Caddo

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Bridges—(Continued)

Co., $31,711 e.e. $35,000; 6 span 106 ft. pile trestle bridge at Alva, Woods Co., $17,163 e.e. $25,000; to Nims & Frost, hydro, 4 span 74 ft. rein.-con. bridge at Atoka, Atoka Co., $23,708 e.e. $25,000; 15 span 210 ft. trestle bridge over Beaver River, Beaver Co., $23,245 e.e. $25,000; 3 span 550 ft. steel truss bridge on piers at Anadarko, Caddo Co., $44,780 e.e. $55,000; 6 span 120 ft. rein.-con. bridge at Ninnekah, Grady Co., $23,245, e.e. $25,000—to Boardman Co., Maple St., Oklahoma City, 2 span 200 ft. steel truss bridge on piers at Lawton, Commanche Co., $30,801 e.e. $35,000—to G. Williams, Empire Bldg., Oklahoma City, 1 span 96 ft. steel truss bridge on piers at Paden, Okfuskee Co., $19,865 e.e. $25,000—to Granville & Hamblin, Manhattan Bldg., Muskogee, 10 span 146 ft. rein.-con. bridge at Coalgate, Coal Co., $63,232 e.e. $70,000—to J. S. Wade, Sulphur, 1 span 130 ft. steel truss bridge on concrete piers at Mill Creek, Johnston Co., $23,817—to Woodward Constr. Co., Woodward, rein.-con. bridge near Allen, Pontotoc Co., $18,292 e.e. $25,000. Grand total $421,153. Noted July 26.

Colo., Denver—C. D. Vail, mgr. Parks & Impvts., 2521 Vine St., steel bridge, concrete abutments across Platts River, on West 8th Ave., to A. S. Horner Constr. Co., C. A. Johnson Bldg. Est. $40,298.

Washington—State Hy. Comn., Olympia, 1,150 ft. bridge over Skagit River, at Marblehead, Skagit Co., to Alexander & McNeil, Mt. Vernon $97,670, 992 ft. bridge over Nooksack River at Nugents Crossing, Whatcom Co., to Ward Constr. Co., P.O. Box 1146, Tacoma, $114,958. Noted July 26.

Calif., Santa Rosa—For 2 rein.-con. bridges, on Main and Sonoma Aves., to W. Proctor, 12 West 10th St., $44,840.

Dams

Bids Desired

B. C., Penticton — Sept. 18, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., control dam across Okanagan River, Yale Dist.

Railways

Proposed Work

Virginia — Virginia & Northwestern Ry. Co. (Subsidiary of Virginia Ry. Co., Norfolk, A. M. Traugatt, ch. engr.), 40.6 mi. railroad from point of connection with Guyandotte Branch of Virginia R.R. to connect with Chesapeake & Ohio at Gilbert. $7,500,000.

West Virginia—Guyandotte & Tug Ry. Co., (subsidiary Norfolk & Western Ry. Co., Roanoke, Va., W. P. W. Wiltsee, ch. engr.), 53 mi. railroad from Gilbert to Wharncliffe. $2,500,000.

Ontario—Toronto Transportation Comn., Yonge and Front Sts., Toronto, D. W. Harvie, engr., 4 mi. double tracking on Kingston Rd., incl. new ties, 80-lb. rails, trolley wire, trolley arms, grading, in Scarborough Twp. $150,000.

Contracts Awarded

Minnesota—Duluth Street Railway Co., H. Warren, genl. mgr., 2631 West Superior Ave., Duluth, reconstructing 6 blocks tracks on West Michigan St., incl. 150 tons 92 lb. T-rails, 114 tons guard rail, 3,000 white oak ties and 2,000 yd. gravel, in Duluth, own forces. J. Carson, 2631 West Superior St., Duluth, engr.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Nantucket—R. D. Elder & H. C. Smith dredging Nantucket Harbor, building timber pier. $25,000. Private plans.

La., Alexandria—Red River, Atchafalya & Bayou Boeuf Levee Dist., S. E. G. Richard, pres., Commercial Bank Bldg., preliminary plans enlarging, strengthening levee from Alexandria to Boyce and floodgates system in Bayou Rapids. $22,500.

Illinois—Division Waterways, Dpt. Purchases & Constr., State House, Springfield, rejected bids Aug. 8, Contr. 11, Marseilles Canal, Marseilles, Starved Rock, Dresden Island and Brandon Pools. Noted July 19.

Ill., Vandalia—Okaw Valley Outlet D. D., c/o W. J. Schenker, comr., bids late in 1928 or early in 1929, straightening 100 mi. Kaskaskia River through Fayette Co., reclaiming 20,000 acres bottom land, incl. 10,000,000 cu.yd. excav. suitable for 100 ft. dragline. $1,000,000. J. V. Waddell, Vandalia, engr.

Tex., Beeville—Bee Co. Irrigation Syndicate, Inc., subsidiary of Wimer Richardson Co., Travis and Jefferson Sts., San Antonio, irrigating 11,000 acre tract for sub-division, near here. $250,000.

Bids Desired

N. Y., Howard Beach (br. Jamaica) — Sept. 10, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, New York, dredging channel at Howard Beach, Jamaica Bay, Contr. 1889. Noted Nov. 24.

Ill., Monticello — Sept. 8, by Drainage Comrs. Goose Creek D.D. 1, Piatt Co. at Enterprise School House, 4.06 mi. ditch work, incl. 34,122 cu.yd. excav. W. J. Day, Bement, engr.

Bids Received

New Jersey—Port Raritan Comn., Perth Amboy, Aug. 25, dredging 200,000 cu.yd. South River, from W. H. Gahagan Co., Inc., 147 Remsen St., Brooklyn, N. Y., at $0.18 per cu.yd.; 19,000 cu.yd. Smith Creek, from Gust Wickberg & Sons, Perth Amboy, $0.39.

Contracts Awarded

Mississippi—Pigeon Creek D.D. Marshall, Tate and Desoto Counties, at Holly 700,000 cu.yd. drainage work to B. W. Robbins, Inpelo, $66,000.

Illinois—Division Waterways, Dpt. Purchases & Constr., State House, Springfield, Contrs. 8 and 10, incl. machinery for Marseilles Canal, Marseilles, Starved Rock, Dresden Island and Brandon Pools, to Independent Bridge Co., P. O. Box 1920, Pittsburgh, Pa., $340,222 and $970,385 respectively. Noted Aug. 23.

B. C., Steveston — S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., extending 5,000 ft. jetty or training wall for Fraser River, to Coast Quarries Ltd., 837 Hastings St. W., Vancouver, $260,000. Noted July 19.

Streets and Roads

Proposed Work

Mass., Boston—Dpt. Pub. Wks., paving Blue Hill Ave. $50,000. J. H. Sullivan, comr.

Mass., Revere (br. Boston)—City, Bd. Aldermen, permanent construction streets and sidewalks. $31,000. Private plans.

N. Y., Buffalo—Paving Irving and Coe Pls., Hertel, Woodward, Sweet, Jewett, Sprenger, Norwood, Virgil, Hollywood and Highland Aves., Seneca, Pontiac, Newburgh and William Sts. C. E. P. Babcock, city engr.

N. J., Asbury Park—City Comn. paving Plaza Pl., Asbury, Lake and Ocean Aves. $42,500. N. Rogers, Asbury Park, engr.

N. J., Bayonne—Bd. City Comrs., City Hall, preliminary plans grading, sheet asphalt on 5 in. concrete paving Trembley Court. $25,000. W. Clarkson, city engr.

N. J., Cranford — Twp. Comn., Town Hall, curbing, 7 in. rein.-con. paving Lincoln, Meeker, North and South Aves. $27,000. J. Collins, twp. engr.

N. J., East Orange—Bd. City Council, City Hall, preliminary plans grading, sheet asphalt on Telford or concrete paving Bedford St. $30,000. E. Willigerod, city engr.

N. J., Elizabeth—Bd. P. Wks., City Hall, curbing, sheet asphalt on 6 in. concrete paving Jefferson Ave. from Elizabeth Ave. to Grand St. $52,000. T. Collins, city engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., grading, sidewalks, 2 in. Topeka on 6 in. stone paving Kaplan, Parker, Simmons and Rowland Aves. $140,000. F. Campbell, 167 Main St., city engr.

N. J., Hillside (br. Elizabeth)—Twp. Com., Municipal Bldg., curbing, 7 in. rein.-con. paving Fairbanks St., and Looker Ave., $35,000; Conklin Ave., $39,700. C. Luster, 286 North Broad St., Elizabeth, engr.

N. J., Jersey City—Bd. City Comrs., City Hall, preliminary plans sheet asphalt on concrete repaving Summit Ave. from Fleet St. to Paterson Ave., Trembley Court. $25,000 each. C. A. Van Keuren, city engr.

N. J., Maplewood (br. South Orange) — Twp. Com., Municipal Bldg., grading, macadam paving Elmwood Ave. extension. $25,000. E. R. Halsey, 79 Academy St., Newark, twp. engr.

N. J., Newark—Bd. City Comrs., City Hall, curbing, sidewalks, sheet asphalt on concrete paving Schofield St. from Stuyvesant to Sanford Aves. $25,000. J. W. Costello, city engr.

N. J., New Milford—Bd. City Council, Municipal Bldg., preliminary plans grading, asphalt bound macadam paving Lenox Ave., from Main to Fulton Sts. $25,000. A. Noack, 236 Main St., Hackensack, engr.

N. J., North Bergen (Ind. br. Weehawken)—Twp. Comn., Town Hall, grading, sheet asphalt or reclipped block paving Centre St. from Hudson Blvd. to Cottage St. $25,000. R. B. Glenn, town engr.

N. J., Rocky Hill—Somerset Co., Somerville, grading, waterbound macadam surfacing road from Rocky Hill to Lincoln Hy. $100,000. O. Smith, Court House, co. engr.

N. J., Roselle (Ind. br. Elizabeth)—Boro Council, Boro Hall, preliminary plans sheet asphalt on concrete or rein.-con. paving Harrison Ave. from 6th to 7th Sts. $25,000. W. Von Wagoner, boro engr.

N. J., Roselle (Ind. br. Elizabeth)—Bd. Freeholders Union Co., Elizabeth, preliminary plans grading, concrete, sheet asphalt or stone block on concrete paving Third Ave.; sheet asphalt on concrete paving Lincoln Ave. $25,000 each. J. L. Bauer, Court House, co. engr.

N. J., Trenton—Bd. Freeholders Mercer Co., concrete paving Franklin Corner Rd. from Bakers Basin to Morris Hall, 40 ft. $75,000. H. F. Harris, Trenton, co. engr.

N. J., Union—Twp. Com., Town Hall, curbing, 7 in. rein.-con. paving Elmwood Ave. from Morris to Stuyvesant Aves. $85,000. H. Kreh, Jr., 286 North Broad St., Elizabeth, twp. engr.

N. J., Union — Bd. City Council City Hall, grading, sheet asphalt on concrete paving Hudson Blvd., 11th, 24th and 22nd Sts. $85,000. J. Maulbeck, city engr.

N. J., Verona (Ind. br. Montclair)—Bd. Boro Council, Boro Hall, preliminary plans grading, rein.-con. paving Linden Ave. $25,000. Miller & McGiffert, 484 Bloomfield Ave., Bloomfield, boro engrs.

North Carolina—State Hy. Dpt., Raleigh, grading, 7 mi. Project 630, Gaston Co., $35,000; 10 mi. Project 7770, Wilkes Co., $50,000. L. R. Ames, Raleigh, engr.

Fla., New Port Richey—City paving $40,000.

O., Campbell — Bd. Control soon takes bids grading, paving 5th, 6th, Madison, Temple and Gordon Sts. $105,000. A. Haeny, Campbell, engr.

O., Cincinnati—Grading, sidewalks, concrete repaving 11,500 sq.yd. Liberty St. from Sycamore St. to Highland Ave. $76,044. C. O. Sherrill, city mgr.

Mich., Monroe—Concrete curbing, guttering, one course 8 in. concrete paving 1,500 ft. Harrison St., 30 ft. $30,000. D. V. Neuman, city engr.

Mich., Monroe—Concrete paving 42,000 sq.yd. Barringer West and Milan South Rds. $130,000. J. F. Price, Court House, engr.

Ill., Cuba—Preliminary plans grading, curbing, concrete paving. $50,000. F. M. Connolly, 428 People Trust & Savings Bank Bldg., Galesburg, engr.

Ill., East St. Louis — Soon takes bids grading, curbing, rein.-con. paving 12 blocks Lake Ave., 36 ft. $53,200. W. McKBrown, City Hall, engr.

Ill., La Grange—Preliminary plans grading, curbing, concrete paving. $40,000. E. Hancock, 1509 West Jackson St., Chicago, engr

Ia., Sioux City—Soon takes bids paving 32,300 sq.yd. 1 alley, 1 road, 8 streets and avenues. $58,844. L. N. Hintgen, City Hall, engr.

Neb., Grand Island—Sheet asphalt or asphaltic concrete paving 10,707 yd. West Koenig St., Dist. 76. $30,000. K. Y. Craig, city engr.

Mo., St. Louis—B. P. Owen Organization, Frisco Bldg., preliminary plans grading, sewers, water connections in Castle Point Subdivision, Halls Ferry and Chambers Rds., St. Louis Co., near here. Elbring Surveying Co., 7909 Forsythe Blvd., Clayton, engrs.

Mo., St. Louis—Bd. P. Serv., City Hall, alternate types paving Alberta, Balsom, Cates, Cora, Dock, Esther, Fairview, Fillmore, Fyler, Gardenville, Gimblin, Grimshaw, Lilian, Montrose, Oakland, Primm, Royal, Mardel, Taylor, Vanderventer and Wilmington Sts. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, concrete paving 26,700 sq.yd. alleys in City Blocks 1603, 1973, 2671, 2929, 2985, 3034, 3388, 3651B, 3816WA, 4054D, 4076, 4248N, 4248S, 4251, 4519B, 6229E, 5269E, 5560, 5566 and 5966. $72,050. W. W. Horner, City Hall, engr.

Ark., Arkadelphia — Bids in September, grading, curbing, concrete paving 30,000

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Streets and Roads (Continued)

sq.yd. Paving Dist. 5. F. A. Gerig, Arkadelphia, engr. Noted Aug. 2.

Tex., Ft. Worth—O. E. Cara, city mgr., soon takes bids paving Camp Bowie Blvd., to city limits. $100,000. D. L. Lewis, city engr.

Tex., Zapata—Zapata Co. surveys 58 mi. hy. through county, $600,000; improving 26 mi. Zapata Co. line Rd., $300,000. T. E. Huffman, Laredo, engr.

Oklahoma — State Hy. Dpt., Oklahoma City, sheet asphalt paving 34,650 sq.yd. U.S. Hy. 70, Bryan Co., $75,000—concrete paving 18,200 sq.yd. State Hy. 18, Pottawatomie Co., $32,000—grading 6.7 mi. U. S. Hy. 64, Woods Co., $40,000. C. R. Mandigo, hy. engr.

Okla., Elk City—Concrete paving. To exceed $25,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—Grading, concrete paving 8,600 sq.yd. 50th St., $27,310; grading, sheet asphalt paving 7,100 sq.yd. 22nd St., $34,875. W. W. Small, City Hall, engr.

Wash., Seattle — Paving 30th Ave. N. $50,357. W. D. Barkhuff, city engr.

Calif., San Diego — Bd. Supervs. San Diego Co., grading, bridging 5 in. monofelt concrete paving 419,272 sq.ft. and 5 in. National concrete paving 718,191 sq.ft. County Blvd., Murray Ave. and other streets. T. H. King, 920 8th St., supt. work.

Calif., San Francisco—Paving 2,100 ft. Kezar Stadium Roadway, 60 ft. $60,000. M. M. O'Shaughnessy, city engr.

Calif., San Gabriel—I. H. Stouffer, city clk., soon takes bids curbing, 2 in. warrenite on 6 in. asphaltic concrete paving 422,820 sq.ft. Las Tunas Dr. Wright Eng. Co., Pacific Electric Bldg., Los Angeles, engr.

Ont., Brampton—Town Council rein.-con. paving, widening ½ mi. George St. $50,000. Engineer not selected.

Ont., Hamilton—Asphalt paving Barton, Elgin and Kelly Sts. $109,000. Work will probably be done by day labor under supervision A. McFaul, engr., City Hall.

Ont., Hamilton — Concrete paving, widening 3 blocks Ferguson Ave. $70,000. W. L. McFaul, City Hall, engr.

Ont., Hamilton—Concrete curbing, guttering, grading, asphalt and concrete paving Mountain Driveway. $347,000. W. L. McFaul, City Hall, engr.

Ont., Hamilton—Concrete curbing, guttering, asphalt on concrete paving 15,000 sq.yd. Barton St. $70,000. W. L. McFaul, City Hall, engr.

Ont., Hanover—Concrete, macadam or asphalt paving 7,500-10,000 sq.yd. $30,000. Ontario Eng. Co., Fort Erie, engrs. Noted Aug. 2.

Ont., Ottawa—Asphalt paving Bronson Ave. from Powell Ave. to driveway. $112,000. A. F. Macallum, City Hall, engr.

Ont., St. Marys—Asphalt or concrete on concrete paving 10,000 sq.yd. Queen St. $29,000. Engineer not selected.

Ont., Windsor—City and Sandwich Twp. concrete curbing, guttering, concrete or asphalt paving 9,000 sq.yd. Ouellette Ave. $35,000. M. E. Brian, City Hall, engr.

Que., Quebec—Dpt. P. Wks. soon takes bids road over Quebec bridge. $350,000. I. Vallee, Quebec, engr.

Bids Desired

New Hampshire—Sept. 14, by State Hy. Dpt., Concord, 6 in. rein.-con. on 3 in. gravel paving 1.588 mi. hy. in Salem, $60,000—0.76 mi. Chesterfield, $28,000—6 in. rein.-con. on 6 in. gravel paving 3.2 mi. Franklin, $125,000. J. H. Noble, Concord, hy. engr.

Mass., Boston—Sept. 22, by Dpt. P. Wks., J. H. Sullivan, comr., artificial stone sidewalks in various streets in Wards 3, 14, 19, 18 and 22. $25,000.

N. Y., Brooklyn—Sept. 11, by Park Bd., W. R. Herrick, pres., Park Dpt., Arsenal Bldg., Central Park, New York, grading Shore Rd. embankment, incl. grading slopes between 200 ft. north 86th and Oliver Sts.; improving Ocean Parkway, East Traffic Rd. from Park Circle to Foster Ave.

N. Y., Brooklyn—Sept. 12, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Eldert Lane, Foster Ave. and East 5th St.; grading, sheet asphalt on concrete paving Avenue O, Drew, Mermaid and 10th Aves., Dean, East 2nd, East 4th, East 5th, East 12th, East 17th, East 31st, Richardson, 62nd and 78th Sts.

N. Y., Long Island City — Sept. 11, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading, granite block on concrete paving Flushing and 49th Aves.; grading, curbing, guttering Pavo Rd. and 162nd St.; grading, sheet asphalt on concrete paving Nassau Blvd., 15th Dr., 40th Rd., Halleck and Vandventer Aves. 112th, 132nd, Warren and 118th Sts.

N. J., North Bergen (Ind. br. Weehawken)—Sept. 11, by Twp. Com., Town Hall, grading, sheet asphalt or reclipped block on concrete paving Delaware Ave. and Hoyer St. $35,418. R. Glenn, Town Hall, twp. engr. Noted Aug. 16.

Pennsylvania—Sept. 14, by State Hy. Comn., Harrisburg, one course rein.-con. paving roads in Bedford, Carbon, Clinton, Columbia, Fayette, Forest, Indiana, Lebanon, Luzerne, Lycoming, Northampton, Wayne and York Counties. J. L. Stuart, secy. hy. comn.

Pa., Avalon (mail Pittsburgh)—Sept. 12, by Controller Allegheny Co., Court House, Pittsburgh, widening, vitr. brick on concrete paving 4,761 ft. California Ave., 18.25 ft. $100,000. Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Pa., Edgewood (mail Pittsburgh)—Sept. 10, by D. C. Neal, boro engr., Boro Bldg., grading, curbing, 8 in. concrete paving 3,070 sq.yd. West Swissvale Ave. $25,000.

Pa., Phila. — Sept. 11, by Dpt. P. Wks., Bureau of Highways, grading, paving streets and improving country roads. A. Murdock, dir.

Pa., Wilkinsburg—Sept. 12, by Controller Allegheny Co., Court House, Pittsburgh, rein.-con. paving 4,221 ft. Graham Blvd., 18 and 27 ft. $85,000. Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs.

Maryland — Sept. 11, by State Roads Comn., Baltimore, concrete paving 1.95 mi. Contr. M-105, Montgomery Co.—0.8 mi. Contr. P-86, Prince George Co.—0.56 mi. Contr. S-32, Somerset Co. J. N. Mackall, chn.

Maryland — Sept. 11, by State Roads Comn., Baltimore, alternate types paving 0.45 mi. Contr. AA-61, Anne Arundel Co. J. N. Mackall, chn.

Md., Baltimore—Sept. 13, by Bd. Awards, sheet asphalt paving Contr. 482; grading 90,000 cu.yd. Contr. 483. N. L. Smith, hys. engr.

W. Va., New Martinsville—Sept. 14, by Wetzel Co. Court, grading 2 mi. Project 1-C—grading, surfacing 2½ mi. Project 1-D—3.5 mi. Project 2—2.75 mi. Project 3. G. A. Harman, clk.

Ala., Birmingham — Sept. 24, by City Comn., grading, curbing, guttering, sidewalks, asphalt on concrete paving 13 blocks 9th St., W., 2nd Ave. N., 10th Ave. N., and Division Ave. $76,330. A. J. Hawkins, city engr.

Ala., Birmingham — Sept. 24, by Bd. Revenue Jefferson Co., grading, concrete paving 6.8 mi. Castline, Jay-Bird, and Vanderbilt-East Lake Rds., 14th Ave., Shades Creek Parkway. $137,500.

Miss., Indianola—See "Bridges."

Tenn., Ripley — Sept. 17, by Lauderdale Co. Hard Roads Comn., grading, bridging 9.48 mi. Ripley-Edith Rd., 6.27 mi. Halls-Potters Gap Rd.—5.32 mi. Halls- Nankapoo Rd.—11.46 mi. Henning-Mack Rd.—1.95 mi. Copper Springs-Pleasant Hill Rd. W. C. Patton, chn. Noted Aug. 9.

O., Canton—Stark Co. bids about Nov. 27, grading, hardsurfacing Hartville-Marlboro Rd. $50,000-$60,000. A. M. Wise, Canton, engr.

O., Parma (br. Cleveland)—Sept. 7, by Village, paving 6 streets. To exceed $50,000. J. M. Clark, Town Hall, engr. Noted Aug. 9.

Michigan—Sept. 16, by C. H. Brown, resident engr., 14380 Wyoming Ave., Detroit, concrete paving 6.102 mi. State Assessment Dist. 475, 20 ft., Wayne Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 19, by R. A. Beers, resident engr., Kalamazoo, concrete paving 7.508 mi. MO14-16, C-1, 20 ft., Cass Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 19, by A. R. Schaefer, resident engr., Newberry, concrete paving 0.931 mi. MO49-15, C-1, 20 ft., Mackinac Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 27, by H. G. Oakes, resident engr., Cadillac, concrete paving 2.346 mi. MO24-17, C-2, 20 ft., Emmet Co., for State Hy. Dpt., Lansing.

Ill., Chicago — Sept. 10, by City, City Hall 6 to 14 ft. concrete sidewalks on one and both sides 85 streets and avenues. M. J. Faherty, pres. Bd. Local Impvts.

Ill., Chicago—Sept. 11, by City, City Hall, grading, curbing, guttering, asphalt on concrete paving East 72nd Pl., South State and West 105th Sts., Belden, South Irving, South Keating, Seminole, Ardmore, North Moody, North Meade, North McVickers and North Artesian Aves.—grading, curbing, guttering, 7 and 8 in. concrete paving South St. Louis, Manila, North Marmora, North Mansfield, North Menard, Magnet, Catalpa, North Parkside Aves. M. J. Faherty, pres. Bd. Local Impvts.

Ill., De Kalb—Oct. 4, by City, City Hall, grading, curbing, guttering, concrete paving 6,308 sq.yd. 9th and 10th Sts. J. J. Kingsley, mayor.

Ia., Marshalltown — Taking bids 5 in. rein.-con., 5 in. vibrolithic concrete, warrenite, asphalt or amesite repaving 23,380 sq.yd. Main St., $56,000; 3,800 sq.yd. North 9th St., $9,200.

Ia., Waterloo—Sept. 10, by C. C. Mackay, city clk., concrete, rein.-con., asphaltic concrete, asphalt, brick or gravel surfacing 16,000 sq.yd., also 6,000 sq.yd. resurfacing. N. B. Barber, City Hall, engr.

Minn., Alexandria—Sept. 20, by J. D. Larson, aud., Douglas Co., grading 221,948 cu.yd. Job 2702. $40,000.

Kan., Hoxie—Sept. 25, by Clerk Sheridan Co., grading, concrete paving 240 sq.yd. $25,000 or more. A. J. Mowry, Hoxie, engr.

Kan., Winfield — Sept. 24, by Clerk Cowley Co., grading, culverts 3.879 mi. road, 32 ft. To exceed $25,000. B. Boyle, Winfield, engr.

Neb., Plattsmouth — Sept. 10, by H. L. Thomas, clk., paving Dists. 52, 53, 54, 55 and 56. $31,631. Bracer Eng. Co., 710 Bankers Reserve Bldg., Omaha, engrs.

Missouri—Sept. 14, by State Hy. Comn., Jefferson City, grading, 18 ft. graveling, concrete paving roads in Audrain, Carter, Christian, Clay, Cole, Cooper, Linn, Livingston, Macon, Morgan, Perry, Oregon, Scotland and St. Louis Counties. T. H. Cutler, ch. engr.

Tex., Abilene—Sept. 14, by City, c/o K. Wilson, widening, alternate types paving Pine and North 5th Sts. $38,000. W. A. Riney, Abilene, engr.

Tex., Lubbock—Sept. 13, by Mayor and City Com., c/o W. H. Rogers, secy., grading, curbing, guttering, paving 36,000 sq.yd. $100,000. M. R. Smith, Jr., engr.

Okla., Stillwater — Sept. 11, by R. C. Lawellin, city clk., grading, concrete paving 12,100 sq.yd. Husband St. $36,400. C. A. Wood, Stillwater, engr.

Okla., Wilson—Sept. 11, by H. T. Wilson, city clk., grading, concrete paving 9,100 sq.yd. Dist. 6. $30,000. J. C. Milliken, Continental Bldg., Oklahoma City, engrs.

Arizona—Sept. 13, by State Hy. Comn., Phoenix, grading, surfacing 5.2 mi. Chandler-Casa Grande Hy., San Tan Sect. W. C. Lefebvre, state hy. engr.

California—Sept. 19, by State Hy. Comn., Sacramento, grading, asphaltic concrete paving 0.7 mi. road between County Fair Grounds and Hanford. C. H. Purcell, Sacramento, hy. engr.

Calif., San Diego—Sept. 17, by Common Council, grading, curbing, sidewalks, 6 in. concrete paving 79,114 sq.ft. Union, Upas and other streets. H. W. Jorgensen, city engr.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Aug. 29, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Crown St., $10,861; Linden Blvd. $52,807; 30 ft. strip along Jamaica Bay, Canarsie, $14,173—from B. Turecamo Contg. Co., New Cropsey Lane, Avenue M, $7,418—from M. J. Grant, 215 Montague St., granite block paving Grand Ave. $34,481. Noted Aug. 23.

N. Y., New York — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Aug. 31, grading, sewer work in Concourse Yard between West 206th Navy, and Jerome Aves., for Rapid Transit R.R. from J. O'Connell, 4290 Martha Ave., $288,000. Noted Aug. 23.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 28, grading Payson Ave., from T. Di Roma, 33 Evelyn Pl., $27,895—granite block paving 110th St., and sheet asphalt paving 5th Ave., from Asphalt Constr. Co., 2197 Madison Ave., $24,462 and $46,222 respectively—8th Ave., from Meehan Paving Co., 90 West St., $113,634—8th Ave., from C. D. Beckwith, Seneca Ave. and Edgewater Rd., $151,630—asphalt block paving Fort Washington Ave., from Regan Towers Co., 124 West 121st St., $67,678. Noted Aug. 23.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, Aug. 29, bituminous paving Fingerboard Rd., from Van Bro Constr. Co., 24 Elizabeth St., West New Brighton. $20,228—bituminous macadam paving Simonson Pl., from J. E. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $696—grading Amboy Rd., from J. J. O'Rourke, 238 Gordon St., Stapleton, $13,270.

New Jersey—State Hy. Comn., Trenton, Aug. 27, grading, 10 in. rein.-con. paving 54,275 sq.yd. Connecting Rd., Sects. 4B and 5A, Camden extension, Camden Co., from A. Stryker, Inc., South Broad St., Trenton, $260,362—31,750 sq.yd. Route 35, Sect. 5, Monmouth Co., from Jannorone Constr. Co., 225 Passaic Ave., Belleville, $143,725 — bituminous macadam paving Route 1, extension, Sect. 13, Contr. 18 Stockton St. Connection, Essex Co., from Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $13,704. Noted Aug. 16.

N. J., Bogota — Bd. Boro Council, Boro Hall, paving Munn Ave., from Toriello & Pirdy, 16 West Fort Lee Rd., $13,647; Orchard Terrace, from R. A. Hamilton, 16 West Fort Lee Rd., $20,596. Noted Aug. 2.

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Streets and Roads (Continued)

N. J., Guttenberg — Bd. Council, Boro Hall, Aug. 22, rein.-con. paving Palisade, Hudson and Belleview Aves., Adams, Jackson, Polk and Madison Sts., from Curtin Bros., 45 Madison St., $99,308.

N. J., Hillside (br. Elizabeth—Twp. Com., Municipal Bldg., 7 in. rein.-con. paving Williams and Bailey Aves., from Nesto Constr. Co., 423 Amherst St., East Orange, $28,842 and $27,283 respectively; Silver Ave., from Standard Bithulithic Co., foot Brill St., Newark, $25,770.

N. J., Kearny (sta. Arlington) — Bd. Town Council, Town Hall, Aug. 22, paving Central Ave., from Nesto Constr. Co., 423 Amherst St., East Orange, $113,587.

N. J., West New York—Bd. Town Council, Municipal Bldg., Aug. 28, grading, bituminous concrete on concrete paving Lincoln Pl., from R. & F. Concreting Co., Inc., 412 44th St., Union City, 89% e. e. $25,000. Noted Aug. 23.

Maryland — State Roads Comn., Baltimore, penetration macadam paving 0.5 mi. Contr. M-116, Montgomery Co., from P. E. Russell, Frederick, $15,865—grading 4.74 mi. Contr. CE-67, Cecil Co., from T. B. Gatch Constr. & Building Corp., Overlea, $35,600—concrete shoulders on 0.13 mi. Contr. M-17-A, Montgomery Co., from M. J. Grove Lime Co., Lime Kiln, $1,250. Noted Aug. 23.

Md., Baltimore—Bd. Awards, Aug. 29, concrete paving 7,350 sq.yd. Contr. 480, from Arundel Contg. Co., Knickerbocker Bldg., $17,081. Noted Aug. 23.

Michigan—C. L. Cowgill, resident engr., Plymouth, Aug. 23, concrete paving 1.179 mi. MO63-3, C-9, 20 ft., Oakland Co., from G. R. Cook, 1216 Penobscott Bldg., Detroit, for State Hy. Dpt., Lansing, $92,103. Noted Aug. 16.

Michigan—R. R. Havens, resident engr., Jackson, Aug. 22, concrete paving 6.052 mi. FO12-13, C-1, 20 ft., Branch Co., from Mollering Constr. Co., Coldwater, for State Hy. Dpt., Lansing. $152,685. Noted July 26.

Michigan—R. R. Havens, resident engr., Jackson, Aug. 23, concrete paving 5.59 mi. FO13-16, C-1, 20 ft., Calhoun Co., from Grace Constr. Co., Marshall, for State Hy. Dpt., Lansing, $167,352. Noted July 26.

Michigan—H. G. Cakes, resident engr., Cadillac, Aug. 21, concrete paving 7.991 mi. MO24-10, C-1, 20 ft., Emmet Co., from Goldbert Constr. Co., Mackinac City, for State Hy. Dpt., Lansing. $255,184. Noted Aug. 9.

Michigan—A. R. Schaefer, resident engr., Newberry, Aug. 15, graveling 6.591 mi. MO17-20, C-1, 16 ft., Chippewa Co., from S. J. Groves & Sons Co., Newberry, for State Hy. Dpt., Lansing. $81,901 incl. cement. Noted Aug. 9.

Michigan—G. D. Tramp, resident engr., Crystal Falls, Aug. 22, concrete paving 8.34 mi. FO27-5, C-3, 20 ft., Gogebic Co., from Herman Holmes, Crystal Falls, for State Hy. Dpt., Lansing. $167,832. Noted Aug. 9.

Wis., Milwaukee — Milwaukee Co. Hy. Comn., W. C. Kavanaugh, comr., improving Layton Avenue A, from Kroening Constr. Co., 39th Ave. and Mitchell St., $64,901—Menomonee River Parkway, from White Constr. Co., 68 East Wisconsin Ave. $73,008—Menomonee River Bridge, from Dick & Blake Constr. Co., 4608 Lisbon Ave., $8,005.

Mont., Great Falls—W. H. Harrison, city clk., paving 15,963 sq.yd. 2nd Ave. S, from S. Birch & Sons, Great Falls, $54,236. Noted Aug. 9.

Tex., Houston—Permanent paving Lockwood St. between Navigation Blvd. and Clinton Dr., from S. Stambaugh, 1401 Dowling St., $115,766 or $91,975.

California—C. H. Purcell, engr. State Hy. Dept., Sacramento, Aug. 22, asphaltic concrete widening 1.8 mi. Auburn Blvd., Sacramento Co., from Clark & Henery Constr. Co., 564 Market St., San Francisco, $53,602. Est. $57,771. Noted Aug. 16.

Calif., San Diego—Common Council, Aug. 27, grading, curbing, 2 in. asphaltic concrete on 6 in. concrete paving 252,402 sq.ft. Garnet St. and Grand Ave., from R. E. Hazard Contg. Co., 2548 Kettner Blvd., $77,459; 1½ in. asphaltic concrete on 5 in. concrete paving 105,003 sq.ft. 42nd, 43rd and Van Dyke Sts., from B. Pearce, 4307 Logan Ave., $48,989. Noted Aug. 16.

Contracts Awarded

Maine—State Hy. Dept., Augusta, bituminous macadam paving 2.63 mi. hy. in Livermore and concrete paving 1.51 mi. Thomaston, to A. D. Bridges Sons, Inc., Hazardville, Conn., $90,464 and $51,721 respectively—graveling 2.02 mi. Fort Kent, to Sawyer & Carlisle, Ellsworth, $37,523. Grand total $179,708. Noted Aug. 23.

Me., Portland — Street Dpt., City Hall, split redressed granite block paving 12,000 sq.yd. Spring St., to M. J. Greene Constr. Co., 390 Congress St., $36,706.

Mass, Boston—Dpt. P. Wks., sheet asphalt or bitulithic paving Camden St., Ward 9, to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $44,808; Parker St., Ward 10, to C. M. Callahan, Inc., 23 South Fairview St., West Roxbudy, $23,784. Noted Aug. 23.

Mass., Boston—Dpt. P. Wks., bitulithic paving Glendale Rd., to C. Capone, 15 Hemlock St., Roslindale, $25,296—Warren St., to J. C. Coleman Sons Co., 1620 Tremont St., $32,622—recut granite block paving Geneva Ave., to S. J. Tomasello, 11 Cushing Terrace, Dorchester, est. $25,000. Noted Aug. 16.

Mass., Waltham—Constructing 11 new streets, to P. Salvucei, Waltham, $30,773; sheet asphalt paving 20,000 sq.yd. to Simpson Bros. Corp., 77 Summer St., Boston.

Connecticut—J. A. MacDonald, state hy. engr., Hartford, 7 in. water-bound macadam paving 12,986 lin.ft. hy. in Clinton and Westbrook, to Silliman & Godfrey, 133 Admiral St., Bridgeport, $55,354; 9 in. bituminous macadam paving 7,051 lin.ft. Killingly, to J. Arborio, 59 Center St., New Haven, $45,265. Noted Aug. 9.

N. J., Belleville (br. Newark) — Bd. Town Comrs., Town Hall, 7 in. rein.-con. paving Adelaide, Dawson, Perry, and Hilton Sts., Tremont, Sunset, Oakwood, Myrtle, Belleville, Sanford, Garden, and Delavan Aves., to Jannarone Contg. Co., 225 Passaic Ave., Belleville, $139,318.

N. J., Bogota (br. Hackensack)—Boro Council, Boro Hall, rein.-con. paving Ridgefield and Larch Aves., to Toriello & Pirdy, 16 West Fort Lee Rd., Bogota, $28,466. Noted June 14.

N. J., Cresskill—Bd. Boro Council, Boro Hall, grading, paving Lexington Ave., to Burns & Hall, Park Ave., Dumont, $38,383.

N. J., East Orange — Bd. City Council, City Hall, sheet asphalt on old concrete paving Washington St., to Franklyn Contg. Co., 20 Washington Pl., Newark, $50,125.

N. J., Englewood Cliffs (mail Englewood) —Bd. Boro Council, School House, Bayview Ave., grading, paving Bayview Ave., 6th and 7th Sts., to Bergen Contg. Co., Inc., 360 Palisade Ave., Cliffside, $36,770.

N. J., Flemington—Hunterdon Co., paving 3.6 mi. Milford-Riegelsville Rd., to Culp Constr. Co., East McFarlan St., Dover, $79,469. Noted Apr. 12.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., 6 in. penetration macadam paving Standish Ave., to J. DiBrigida, 65 Hudson St., $49,051. Noted Aug. 23.

N. J., Hammonton—Town Council, 3.5 mi. sidewalks, curbing, to New Era Concrete Co., 622 Federal St., Camden, $23,987. Noted Aug. 2.

N. J., Jersey City—Bd. Comrs., City Hall, grading, sheet asphalt on concrete paving Stegman Pl., to Lettiere & Bellezza Co., 921 Bergen Ave., Jersey City, 99½% est. $30,000. Noted July 5.

N. J., Lyndhurst (br. Rutherford)—Paving Pennsylvania Ave., to J. J. Holden, 245 Park Ave., $16,918; Copeland Ave., to W. J. D. Lynch, Post Office Bldg., Nutley, $10,841. Noted July 26.

N. J., Newark — Bd. City Comrs., City Hall, grading, paving South 10th and Arsdale Pl., to J. B. Gilligan Casey Co., 972 Broad St., $105,791 and $28,129 respectively.

N. J., Newton—Sussex Co., Court House, grading Maxim Dr., to Richards & Gaston, Inc., 110 South Bridge St., Somerville, $26,532. Noted Aug. 9.

N. J., Palisades Park—Bd. Boro Council, Boro Hall, paving streets in Moresmere Sect., to G. M. Brewster & Son, Fort Lee Rd., Bogota, $39,178.

N. J., Plainfield—Common Council, bituminous macadam paving Florence Ave., to P. Naples & Co., 97 Hammond Ave., Passaic, $64,594. Noted July 19.

N. J., Ridgefield — Bd. City Council, Municipal Bldg., paving Westview, Elizabeth, Washington and Elm Aves., to Harper Bros., 162 Beech St., Hackensack, $42,613. Noted June 21, July 19 and Aug. 23.

N. J., Ridgewood—Bd. Freeholders Bergen Co., Court House, Hackensack, improving Lake St., to G. F. Brackett, Heights Rd., $28,074.

N. J., Somerville—Somerset Co., Somerville, rein.-con. paving East Main St., to Collins & Maxwell, Easton Trust Bldg., Easton, Pa. $77,924. Noted July 19.

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., paving Roosevelt St. and Chestnut Pl., to Harper Bros., 162 Beech St., Hackensack, 97% est. $29,000. Noted Aug. 9.

Pa., Pittsburgh — Grading, curbing, paving Schenley Ave., to Nardulli & Sons Co., 608 Larimer St. $39,942—Mt. Royal Rd., to Scanlon Bros., Bakwell Bldg. est. $35,600—Ceres Way, to D. Carapelucci Co., 130 Maytide St. est. $35,000—Hillcrest St., to Booth & Flinn, Ltd., 1942 Forbes St., $24,000. Noted Feb. 9 and July 5.

Pa., Pittsburgh — City Controller, City-County Bldg., grading, paving Berkshire Ave., to Dunn & Ryan Contg. Co., 518 Swinburne Ave. est. $28,000—Standard Ave., to M. O'Herron Co., South 15th and McKean Sts. $28,857—Ley St., Basil, Inex and Light Ways, also Althea, Ashdale, Cassins and Cullen Sts., to Thomas Cronin Co., South 18th St., $24,350 and $29,133 respectively.

Pa., Rankin — Allegheny Co., Court House, Pittsburgh, general contract traffic circle at approach of Rankin Bridge 7, to W. S. Rae, Oliver Bldg., Pittsburgh $84,734. Est. $100,000.

Pa., Washington—T. J. Underwood, controller Washington Co., concrete paving 7,409 ft. Deems-Bentleyville Rd., 16 ft., to Ross Constr. Co., Connellsville, $47,846.

Maryland—State Roads Comn., Baltimore, concrete paving 0.45 mi. Cecil Co., to J. K. Flick, Sudlersville, $10,518—graveling 1.5 mi. St. Marys Co., to Pembroke & Gasparovic, Park Hall, $11,752—penetration macadam paving 1 mi. Montgomery Co., and macadam resurfacing 1 mi. Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $19,285 and $10,979 respectively. Grand total $52,534. Noted Aug. 9.

Md., Baltimore—Bd. Awards, sheet asphalt paving 15,000 sq.yd. streets Contr. 479, to Amer. Paving Co., Montebello Ave., $72,387; grading, top-soiling Contr. 469, to Geo. Long Contg. Co., 1st Ave. and 12th St., $12,180. Noted Aug. 16.

Virginia — State Hy. Comn., Richmond, topsoiling 3.816 mi. Route 24, Project S-496-H, B-7, Prince George Co., to Perkins & Barnes, Blackstone, $28,580—1,036 ft. 5 ft. sidewalks for Rappahannock Bridge, Route 31, Project S-225-A, at Fredericksburg, Spotsylvania Co., to A. N. Campbell & Co., Inc., Lynchburg, $8,323. Noted Aug. 9.

Va., Purcellville — Mains and 2 m.g. reservoir, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Pittsburgh, Pa., $78,560.

W. Va., Charleston—Kanawha Co., grading, concrete paving 1 mi. Thorofare Rd., 14 ft., to Harrison & Dean, Huntington, $34,924—grading 3.5 mi. Sissonville Rd., 26 ft., and 3 mi. Blue Creek Junction Rd., 20 ft., to J. M. Cain & Co., Charleston, $43,769 and $41,567 respectively—4 mi. Nuckols Rd., to Cain & Green, Charleston, $51,545. Grand total $171,805.

Ga., Barnesville—Mayor and City Council, City Hall, grading, curbing, concrete paving 15,000 sq.yd. Thomaston and Forsythe Sts., to J. B. McCrary Eng. Co., City and State Bank Bldg., Atlanta, $38,663. Noted Aug. 2.

Ala., Tarrant—Paving, grading 1 mi., to Independent Paving Co., 3828 1st Ave. S., $41,178.

La., Vinton—Sidewalks, rein.-con. paving 23,650 sq.yd., to Moore Bros., Westwego, $57,810. Noted May 24.

O., Columbus—W. H. Duffy, dir. Serv., grading, widening, asphalt paving Goodale St. between Neil Ave. and Olentagy River, to B. F. Patterson, 987 West Goodale Ave., $37,529.

O., Dayton—Montgomery Co., vibrolithic concrete paving Upland Ave., to O. Aterbaugh, 310 Watervliet Ave. $9,593—Sandhurst Dr. and Valley Ave., to H. E. Barney, 1233 Hoffman Ave. $19,850 and $13,861 respectively—Stanhope Ave., and concrete paving Norman Alley, to Finke Eng. Co., Realty Bldg., $5,969 and $2,930 respectively—rein.-con. paving Buckingham Rd., to C. Crampton, R.R. 5, $10,514—Lynam St. and Brooklyn Ave., to W. S. Little, 1209 Everett Dr., $18,192 and $20,627 respectively—Rockhill and Cushing Aves., to J. Wroe, Harries Bldg., $16,816 and $17,131 respectively—sheet asphalt paving Winding Way and Big Hill Rd., to Republic Asphalt Paving Co., North Antioch St., $14,167 and $17,877 respectively. Grand total $167,528.

O., Dover — Resurfacing Factory St., to C. G. Fuller, Dover, $37,214. Noted June 7.

Michigan—At Office Village Clerk, Lainsburg, concrete paving, widening 1 mi. MO76-20, C-1, Shiawassee Co., to Hudson & Coons, East Lansing, for State Hy. Dpt., Lansing. $47,498. Noted July 19.

Michigan—R. A. Beers, resident engr., Kalamazoo, asphalt on gravel paving 7.468 mi. MO39-14, C-1, 18 ft., Kalamazoo Co., to Globe Constr. Co., Kalamazoo, for State Hy. Dpt., Lansing. $131,088. Noted Aug. 9.

Michigan—E. R. Benkert, resident engr., Port Huron, concrete paving 2.076 mi. MO77-31, C-1, 20 ft., St. Clair Co., to J. W. Baker & Sons, Port Huron, for State Hy. Dpt., Lansing, $73,827. Noted Aug. 23.

Michigan—C. W. Brown, resident engr., 14380 Wyoming Ave., Detroit, concrete paving 6.838 mi. State A.D. 481, Sect. B. 20 ft., Macomb Co., to T. E. Currie Co., 909 Transportation Bldg., Detroit, for State Hy. Dpt., Lansing, $261,979. Noted Aug. 9.

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Streets and Roads (Continued)

Michigan—C. L. Cowgill, resident engr., Plymouth, concrete paving 1.179 mi. M 063-3, C-9, 20 ft., Oakland Co., to G. R. Brooks Co., Detroit, for State Hy. Dpt., Lansing. $111,511, incl. cement.

Michigan—C. L. Cowgill, resident engr., Plymouth, concrete paving 11.241 mi. MO63-23, C-1, 20 ft., Oakland Co., to James A. McKay & Son, Detroit, for State Hy. Dpt., Lansing, $373,690. Noted Aug. 9.

Michigan—R. R. Havens, resident engr., Jackson, concrete paving 0.384 mi. MO12-7, C-2, 20 ft., Branch Co., to Mollering Constr. Co., Coldwater, for State Hy. Dpt., Lansing. $14,116.

Michigan—R. R. Havens, resident engr., Jackson, concrete paving 3.823 mi. FO23-18, C-1, 20 ft., Eaton Co., to Kalamazoo Paving Co., Kalamazoo, for State Hy. Dpt., Lansing. $128,226. Noted July 19.

Michigan—R. W. Roberts, resident engr., Saginaw, graveling 3.011 mi. A.D. 469, 12 ft., Saginaw and Midland Counties, to W. A. Leach Gravel Co., Montrose, for State Hy. Dpt., Lansing. $35,528. Noted July 19.

Michigan—G. D. Tramp, resident engr., Crystal Falls, concrete paving 0.75 mi. MO31-23, C-1, 20 ft., Houghton Co., to Thornton Bros. Co., St. Paul, Minn., and Escanaba, Mich., for State Hy. Dpt., Lansing. $29,136. Noted Aug. 30.

Mich., Berkley (br. Detroit)—One course 8 in. concrete paving 17,890 sq.yd. Assessment Dist. 100, to R. D. Baker & Co., 10 Mile Rd. and Grand Trunk R.R., Royal Oak, $74,040.

Mich., Flint — Concrete curbing, one course concrete paving 11 streets, to White Constr. Co., Buhl Bldg., Detroit, $96,225.

Ill., Chicago — Bd. Comrs. Cook Co., County Bldg., widening 3.9 mi. Dixie Hy., to G. H. Summerville, Harvey, $171,789—improving Archer Avenue extension, to J. M. Pierson, Chicago Heights, $75,295—Halsted St., to A. Ward & Sons, Oak Glen, $129,455—7.1 mi. Milwaukee Ave. and 0.9 mi. 183rd St., to J. Mackler & Co., Chicago Heights, $187,676 and $41,542 respectively—Wentworth Ave., to Paving Co., Chicago, $62,025—Demster St., to Arcole Constr. Co., Evanston, $18,577—River Rd., to Jaicks Bros., 77 West Washington St., $519,647. Grand total $1,200,006.

Ill., Elmwood—Grading, curbing, concrete paving Magnolia St., to Specht & O'Neil, Bushnell, $25,676.

Ill., Highland—Grading, curbing, concrete paving, to J. Stanton & Son, Leavenworth, Kan., $396,130. Noted Aug. 23.

Ill., Highland Park—Curbing, guttering, 10 in. concrete paving 21,100 sq.yd. Green Bay Rd., to E. A. Meyer Constr. Co., Highland Park, $111,479.

Ill., Westchester (mail Bellewood)—Concrete paving 111,386 sq.yd., to Pickus Eng. & Constr. Co., 410 North Michigan Ave., Chicago, $456,594.

Wisconsin—State and Clark, Pierce, St. Croix and Polk Counties Hy. Comms., Eau Claire, grading 13,066 cu.yd. Deer Park-Amery Rd., and concrete, steel overhead structure on Merrillan-Humbird Rd., to A. Larson & Co., Eau Claire, $6,116 and $14,452, respectively; graveling Ellsworth-Elmwood Rd. and Maiden Rock-Ellsworth Rd., Pierce Co., to Nelson, Mullen & Nelson, 355 Gateway Bank Bldg., Minneapolis, Minn., $21,971 and $12,073 respectively. Grand total $54,612. Noted July 26.

Wisconsin—State and Greene and Dane Co. Hy. Comns., Capitol Annex, Madison, grading, concrete paving 5,760 sq.yd. Shullsburg-Monroe Rd., Green Co., to J. O. Legrei, Stoughton, $18,029; 4,170 sq.yd. Federal Aid Project 387-B, Dane Co., to Eau Claire Eng. Co., Eau Claire, $60,911. Noted Aug. 2.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., grading, paving 2 alleys, to Eastern Constr. Co., 878 Franklin Pl. $4,090—3 alleys, to Schwerm Bros., 50 Lee St. $8,821—2 alleys, to J. C. Bluhm & Son, 1299 Achilles Pl. $3,529—2 alleys, to N. Harris, Girard and St. Albian Sts. $2,924—2 alleys, to Bodemann Constr. Co., 691 48th St. $5,683. Grand total $25,047.

Wis., Milwaukee — Paving Oklahoma Ave., to Gumz & Switalski, 831 13th Ave., $43,481.

Wis., Milwaukee — Milwaukee Co. Park Comn., 90 Mason St., constructing Estabrook Park Dr., to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., $47,141.

Ia., Adel — Dallas Co. graveling 38 mi. secondary roads, to O. C. Melohn, Nevada, and to H. Moody, Perry.

Ia., Dubuque—Grading, 6 in. concrete paving, Carlotta, Perry and Dell Sts., to Ulrich Paley Co., Dubuque, South Main and Railroad Sts., and J. F. Lee Paving Co., Dubuque.

Ia., Greenfield—Adair Co., graveling 15 mi. Primary Road 25, to Falcon-Reinking Co., Inc., Cedar Rapids, $34,435.

Ia., Keokuk—To Cameron, Joyce, Smith & Elder Co., Keokuk, improving streets 30,000 sq.yd. warrenite bitulithic paving at $1.51, per sq.yd., curbing and guttering $0.90, grading $0.80. Noted July 26.

Ia., Mason City — Cerro Gordo Co., to Sampson Bros., Algona, improving secondary roads, 6,590 cu.yd. gravel at $0.28 and $0.30 per cu.yd., 60,800 units overhaul $0.06, 800 cu.yd. stripping $0.15.

Ia., Oskaloosa—For 2½ in. sheet asphalt paving 37,600 sq.yd., to J. S. McLaughlin & Sons, Insurance Exch. Bldg., Des Moines, $45,264.

Ia., Spirit Lake—Dickinson Co., graveling 19 mi. secondary roads, to Bauck Constr. Co., Emmetsburg. Noted July 26.

Ia., Storm Lake — Buena Vista Co., graveling secondary roads, to J. F. Onnen, Rolfe, to A. L. Albrecht, Storm Lake, and to Hartsell & Evans, Early.

Ia., Wapello—Louisa Co., grading 6.57 mi. Federal Aid Project 250-A, B and C, to J. B. Hannahs, Keokuk, $57,596.

Minn., Duluth—G. P. Phillips, city comr., one course concrete paving 2,400 ft. Michigan St., 53 ft., to J. W. Salo Constr. Co., 1215 East 11th St., $51,706. Est. $63,000. Noted Aug. 16.

Minn., St. Paul — Sidewalk, concrete trestle, concrete slab paving, 3rd St. between Wabasha and St. Peter Sts., to Thornton Bros. Co., 1343 Dayton Ave., $38,387.

Kan., Hutchinson—Reno Co., concrete paving 2.851 mi., Sect. B and 4.463 mi. Sect. C, U. S. Hy. 50S, Project 399, to Whitney & Teeter, Hutchinson, $58,251 and $92,515 respectively.

Kan., Iola—Allen Co., sand-gravel or chats surfacing 4.302 mi. Project 6-4-K595, to A. L. Cook, Cttawa, $20,148; bridge, to W. F. O'Brien, St. Paul, $3,319. Noted June 21.

Kan., Liberal—Seward Co., grading 1,069 mi. Project 54-3-FA 369A, to A. R. Mackey Constr. Co., Greeley, Colo., $11,396. Noted July 19.

Kan., Manhattan—See "Bridges."

Kan., Meade—Clerk Meade Co., grading, culverts, concrete paving 11.052 mi. Federal Aid Project 406-A, 30 ft., to Bliss & Bliss, Mankato, $41,416. Noted July 19.

Kan., Oskaloosa—Jefferson Co., grading, culverts sanding 3.069 mi. Road K-24 and Hickory Point Rd., Project 195, to M. W. Watson, 501 Mulvane Bldg., Topeka, $27,489.

Kan., Wellington—Sumner Co., grading 14.319 mi. Project 667-A, 30 ft., to E. W. Kolterman, 404 Securities Bldg., Omaha, Neb., $55,716. Noted Aug. 16.

Kan., Yates Center—Woodson Co., grading 8.045 mi. road, to S. W. Poor, Eureka, Kan., $51,258. Noted July 26.

Nebraska—See "Bridges."

Neb., Lincoln—Grading, curbing, guttering, asphaltic concrete paving 30,000 sq.yd. Paving Dist. 763, to Abel Constr. Co., 308 Terminal Bldg., $89,872.

Montana — State Hy. Comn., Helena, grading 297,927 cu.yd. Federal Aid Project 158-B, Unit 1, Custer Co., to G. B. Wilson & Sons and C. A. Welch, Park City, $86,409.

Mont., Conrad—For 2 in. bitulithic on 3 in. bituminous paving 10,700 sq.yd. 4th Ave. and Virginia St., to S. Birch & Sons, Great Falls, $38,948.

Mo., St. Louis—Bd. P. Serv., City Hall, to Bridges Asphalt Paving Co., 1470 Kentucky Ave., asphaltic concrete paving 1,860 sq.yd. Ellenwood Ave., $10,648—to C. A. Moreno, Syndicate Trust Bldg., 2,260 sq.yd. Rosa Ave., $7,191—to Crean & Scott Constr. Co., Chouteau Trust Bldg., 2,700 sq.yd. Neosho St., $15,745—to Trinidad Asphalt Mfg. Co., 600 South Theresa Ave., 3,330 sq.yd. Parkwood Pl., $19,374—to Eyermann Constr. Co., 1210 South Grand Blvd., rein.-con. paving, 3,795 sq.yd. Oleatha St., $18,224; vibrolithic concrete paving 2,965 sq.yd. Frey Ave., $14,391—to Skrainka Constr. Co., Security Bldg., 2,680 sq.yd. Marnice Pl. $16,220; 1,390 sq.yd. Edna St. $10,285; 2,650 sq.yd. Hornsby Ave. $15,145—to William A. Riley Constr. Co., 110 North 7th St., 3 in. vitr. brick paving 540 sq.yd. Liermann St. $3,151; 1,540 sq.yd. Pelham St. $10,448. Grand total $140,812. Noted July 26.

Mo., St. Louis—Bd. P. Serv., City Hall, paving alleys in 2 city blocks, to Eyermann Contg. Co., 1210 South Grand Blvd. $8,820—5 blocks, to Skrainka Constr. Co., Security Bldg. $16,592—3 blocks, to Alfred Lewald, Inc., 6025 West Carbanne Ave. $11,102—alley in City Block 4414-W, to W. A. Riley, 110 North 7th St. $4,661. Grand total $41,175.

Arkansas—State Hy. Dpt., Little Rock, grading Monroe and Prairie Counties, to F. D. Harvey & Co., Jonesboro, La., $27,025 and $45,375 respectively—Lee Co., to R. P. Sims, Little Rock, $20,600—Miller Co., to A. C. Kennedy, Poyen, $6,423—Nevada Co. and bridge in Howard and Pike Counties, to Richardson Ayers, Hope, $15,474 and $32,008 respectively—road in Montgomery Co., to Clay & Winters, Little Rock, $41,292—Washington Co., to Cole Bros. & Dennison, Fayetteville, $35,238—White Co., to E. A. Enloe, Shreveport, La., $35,370—Garland and Hot Springs Counties, to Newell Contg. Co., Little Rock, $115,196—Garland Co., to J. Spencer & Son, Hot Springs, La., $80,213—Cleveland and Dallas Counties, to W. T. McGeorge & Co., Pine Bluff, $61,759—Columbia Co., to Ayers & Graves, Hope, $70,328—Calhoun Co., to Lybrand & Robertson, Sheridan, $17,884—Cleveland Co., to McWilliams Co., Exchange Bldg., Memphis, Tenn., $15,765—Logan Co., to Ellis & Lewis, Surety Bldg., Muskegon, Okla., $15,791—Yell Co., to J. N. George & Bros., Centerville, Ark., $31,449—Highway 34, to Forcum James Constr. Co., Dyersburg, Tenn., $21,981—paving Jefferson Co., to Philpot Constr. Co., Pine Bluff, $39,220—bridges in Woodruff and Jefferson Counties, to J. F. Mullins, Pine Bluff, $37,774 and $8,268 respectively—Lee Co., to M. K. Orr, Little Rock, $24,566—Crawford Co., to Maxwell Constr. Co., Columbus, Kan., $15,691—Cleburne Co., to Blackshire & Blackshire, Harrison, $22,329—White Co., to Vincennes Bridge Co., Vincennes, Ind., $32,274—Johnson Co., to M. H. Franks, Leslie, $26,075—Hope and Searcy Counties, to General Constr. Co., 408 Pine St., St. Louis, Mo., $16,803 and $101,639 respectively—Craighead Co., to Bunnell & Mack, Paragould, $11,088—on Hy. 63, Sect. 7, to Williamson & Williams, Batesville, $9,540—Clay Co., to Prentice & Prentice, Sheridan, $14,358—on Hy. 63, to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, Mo., $50,875. Grand total $1,099,671. Noted Aug. 16.

Ark., Harrison—Paving 8 blocks South Pine St., and 2 blocks West Stephenson St., to Terk Constr. Co., Little Rock, $41,251.

Tex., Amarillo—Vibrolithic paving West 2nd St. between Harrison and Madison Sts., to C. Pleasant, 715 Rule Bldg., $31,923.

Tex., Houston—For 2 in. bituminous on shell surfacing 74,300 sq.yd. in Golfcrest Addition, to Harbor Paving Co., Houston, $100,460. Est. $100,000.

Tex., Houston—City, 2 in. rock asphalt on 6 in. concrete paving North Main St. from Enid to Airline Dr., to S. Shambaugh, 1401 Dowling St., $44,155. Est. $50,000.

Tex., San Angelo — Permanent concrete paving 25 blocks, to L. E. Whitham & Co., P. O. Box 1292, Wichita Falls, $163,662. Est. $175,000.

Oklahoma — State Hy. Dpt., Oklahoma City (**e.e. means engineers estimate**), to J. Ables, Madill, grading 11.5 mi. Coal Co., $66,491 e.e. $75,000; 6.22 mi. Pontotoc Co. $31,556, e.e. $35,000—to D. T. Allen, City Hall, Henryetta, 3.41 mi. Caddo Co., $24,046, e.e. $25,000—to R. T. Amis, Lawton, 4.91 mi. Comanche Co. $27,806, e.e. $30,000—to Blackburn & Rindy, Healdton, 4.41 Carter Co. $26,747, e.e. $30,000; 10 mi. Cherokee Co., $143,858 e.e. $150,000—to Gaines & Yokeum, 519½ West Main St., Oklahoma City 2 mi. Atoka Co., $18,085 e.e. $25,000—to Granville-Hamlin Co., Manhattan Bldg., Muskogee, 4.19 mi. Okfuskee Co., $25,719 e.e. $30,000—to Maney & Alley, Empire Bldg., Oklahoma City, 15.18 mi. Lincoln Co., $81,600 e.e. $100,000—to Mervelt & Lawson, El Reno, 6.8 mi. Canadian Co. $21,018 e.e. $25,000—to J. E. Smith & Sons, Noble, 5 mi. Project 329-A, Grady Co., $26,190 e.e. $30,000; 4.6 mi. same road, Sect. B, $28,708 e.e. $30,000—to D. Sweeney, Empire Bldg., Oklahoma City, 3.8 mi. Caddo Co., $32,245 e.e. $35,000—to Altman-Rogers Co., McAlester, 5.15 mi. Cherokee Co., $61,251 e.e. $75,000; concrete slab surfacing 5 mi. Project 245-D, Stephens Co., $122,504 e.e. $130,000; 5 mi. same road Sect. D, $118,030 e.e. $130,000—to T. Gudgel, Stillwater, 3.7 mi. Kingfisher Co., $80,356 e.e. $90,000—to R. Tanner Paving Co., Nebraska Bldg., Tulsa, 1.45 mi. Payne Co., $33,208 e.e. $35,000—to Ward, Beekman & Brooks, 1801 East 9th St., 4 mi. Grant Co., $86,126 e.e. $100,000; asphalt surfacing 4 mi. Project 605-A, Bryan Co., $58,160 e.e. $60,000; 4.2 mi. same road Sect. B, $66,103 e.e. $68,000—to Ellis & Lewis, Muskogee, 5 mi. Nowata Co., $152,058 e.e. $160,000—to Standard Paving Co., 2110 East 11th St., Tulsa, 3 mi. Project 212-C, Beckham Co., $86,144 e.e. $90,000; 3.71 mi. same road Sect. E, $112,100 e.e. $120,000. Grand total $1,530,112. Noted July 26.

Okla., Lawton—For 6 in. concrete paving 67,748 sq.yd., to Hyde Constr. Co., Lawton.

Okla., Muskogee—Rein.-con. paving 1,600 sq.yd. and 6 and 9 in. Bates concrete paving 15,278 sq.yd., to Ellis & Lewis, Muskogee, $49,600.

Okla., Tahlequah—Grading, concrete paving 9,200 sq.yd. Okmulgee Ave., to E. H. Locher, Amer. Bank Bldg., $27,760. Est. $28,000.

Okla., Woodward—Improving 9th St., Dist. 7, to Fisher Constr. Co., Woodward, $34,232.

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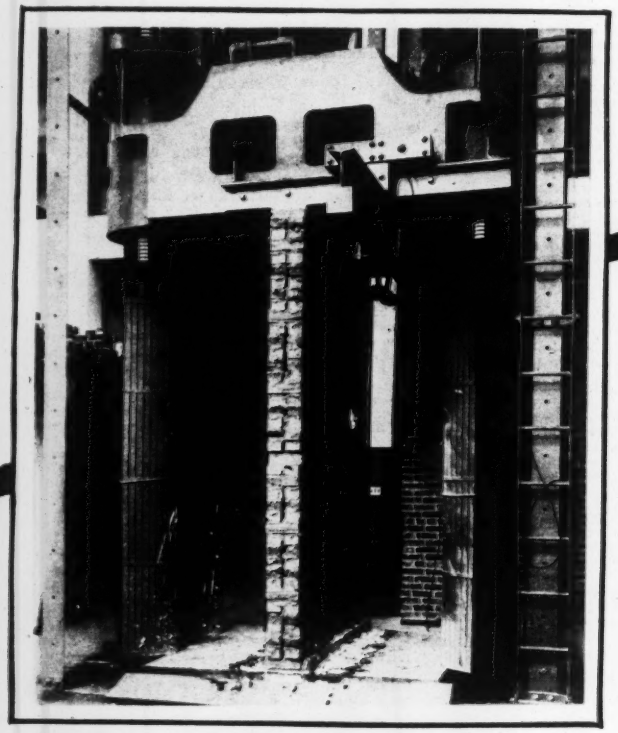

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Tests, by the Bureau of Standards, on commercial brick masonry developed WALL strengths in excess of 3,200 pounds per square inch, and this is by no means the limit.

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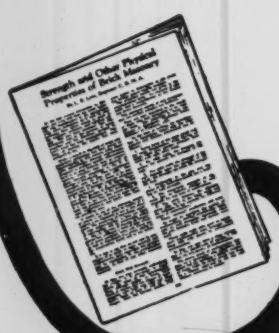

This paper

gives in detail the results of these tests made by the Bureau of Standards and shows the strength AND OTHER PHYSICAL PROPERTIES of brick masonry. Write for a copy—no obligation.

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634 Chamber of Commerce Bldg.
NEW ORLEANS, La.
727 Canal Bank Bldg.
NEW YORK CITY
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P. O. Box 773
SALT LAKE CITY
301 Atlas Block
SAN FRANCISCO, CALIF.
301 Sheldon Bldg.
SEATTLE
913 Arctic Bldg.

Streets and Roads (Continued)

Nevada—State Hy. Comn., Carson City, furnishing, applying 639,874 gal. asphaltic fuel oil on 6 mi. Jean-Apex Summit Hy., 18 ft., to J. Carson, Hayward, Calif., $36,025.

N. M., Clovis—For 1.5 in. warrenite bitulithic paving 40 blocks 8 streets, to New Mexico Constr. Co., Alberquerque, $190,000. Noted Aug. 16.

Arizona—State Hy. Comn., Phoenix, grading, surfacing 6,540 cu.yd. Ashfork-Flagstaff Hy., Federal Aid Project 89-B, to Whiting Bros. Co., St. Johns. $38,278.

Wash., Bellingham—Whatcom Co., grading Permanent Rd. 15 between Fidalgo Bay and Lake Campbell, to Chasteen & Dorsey, Bellingham, $25,167.

Wash., Seattle—Paving 32nd Ave. N., to J. B. Covello, 1510 16th St. S., $25,280; grading 20,000 cu.yd. Ida St., to Northwest Constr. Co., Seattle, $25,846.

California—Raymond Concrete Pile Co., Hunter-Dulin Bldg., San Francisco, 5 mi. 8 in. concrete paving approaches to San Francisco Bay Bridge in Alameda and San Mateo Counties, to J. F. Knapp, Stockton and San Luis Obispo. Noted Aug. 9.

Calif. — C. H. Purcell, hy. engr., Sacramento, crushed stone or graveling 9.3 mi. Inyo Co., to Southwest Paving Co., Washington Bldg., Los Angeles, $85,754, est. $93,282—7.7 mi. Butte Co., to L. C. and W. E. Karstedt, San Jose, $18,336, est. $29,036—concrete paving 4 mi. Sacramento Co., to Frederickson & Watson, 354 Hobart St., Oakland, $135,106—hauling, stock piling crushed rock surfacing material along state highways in Butte, Glenn, Coluse, Yolo, Sutter, Yuba and Sacramento Counties, to A. G. Raisch, 46 Kearney St., San Francisco, $64,008 est. $72,000. Grand total $303,204. Noted Aug. 2 and 23.

Calif., Auburn—Supervs. Placer Co., 3 in. asphaltic macadam on 4 in. rock bound macadam paving streets in Lake Tahoe Dist., to F. L. Carson, Sutter and Taylor Sts., San Francisco, $84,590.

Calif., Berkeley—E. M. Hann, city clk., asphaltic concrete paving Ashby Ave., to Heafey-Moore Co., 344 High St., Oakland, $73,045—grading, paving, sewers in Ada St., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $26,970—grading, roadways, sidewalks University Grounds, to Oakland Paving Co., 5000 Bway., Oakland, $79,850. Grand total $179,865. Noted Aug. 2.

Calif., Hillsborough (mail Redwood City) —J. A. Hoey, city clk., concrete guttering, grading, repairing waterbound rock macadam paving Ridgeway and Vista Rds., to Union Paving Co., Call Bldg., San Francisco, $49,235.

Calif., Los Angeles—Curbing, guttering, grading, concrete paving Riverside Dr., to Curtis Paving Co., 2440 East 26th St., $57,837; Fletcher Dr., to Griffith Co., Railway Bldg., $178,205; 6 and 8 in. concrete paving 936,851 sq.ft. 9th St., to J. L. McClain, 3452 West Slauson Ave., $232,786. Grand total $468,828.

Calif., Los Angeles—Los Angeles Co., curbing, guttering, grading, concrete paving Anaheim-Telegraph Rd., to J. E. Haddock, 357 North Chester St., Pasadena, $58,455. Noted Aug. 2.

Calif., Oakland—Alameda Co., warrenite on waterbound macadam paving Webster St., to Heafey-Moore Co., 344 High St., $69,345.

Calif., San Bernardino—Rein.-con. paving Road Dist. Impvt. 45, Carnelian Ave., to Griffith Co., Railway Bldg., Los Angeles. $82,500.

Calif., San Rafael—City Clerk, concrete curbing, guttering, grading, 4 in. asphaltic concrete on rock paving Rose Valley Dr., Terrace Ave., to Pacific States Constr. Co., Call Bldg., Los Angeles, $36,215. Noted Aug. 9.

Calif., South San Francisco — Concrete curbing, guttering, asphaltic concrete paving Grand, Chestnut and Commercial Sts., to Hanrahan Co., Standard Oil Bldg., San Francisco, $43,931. Noted June 28.

Que., Montreal — City. sidewalks, to Robertson & Janin. $360,000.

Ontario—Dpt. P. Hys., Parliament Bldgs., Toronto, mixed macadam paving approaches to Yonge Blvd. Bridge, Toronto, Contr. 28-96, to Warren Bituminous Paving Co., 54 University Ave., Toronto—grading, concrete bridge south of Milton, Contr. 28-97, to Orr & Clark, 111 Alexander Blvd., Toronto—mixed macadam paving 2 mi. northerly from Mount Forrest, Contr. 28-98, to Brennan Paving Co. Ltd., 400 Gage Ave. N., Hamilton—5.36 mi. Paris Northerly, Contr. 28-99, to C. C. Cornell, 74 Dundas St., Brantford. Est. $150,000.

Ont., Ford—Concrete paving ¾ mi. Hickory St., to Merlo, Merlo & Ray, Sandwich St., $36,133. Est. $36,000.

Ont., Ottawa—Concrete curbing, guttering, sheet asphalt paving 14,000 sq.yd. Laurier Ave., to O'Learys Ltd., Banque Natl. Bldg., $60,028. Est. $60,000.

Ont., Riverside—Concrete paving 11,000 sq.yd. Isabella and Prado Pls., St. Rose and St. Louis Aves., to Merlo, Merlo & Ray, Sandwich St., Ford, $27,293. Est. $30,000. Noted Aug. 9.

Ont., Toronto—North York Twp., concrete paving 2 mi. streets, to Grant Constr. Co., 47 Wellington St. E. Est. $25,000.

Ont., Toronto—Toronto and York Roads Comn., asphalt on concrete paving 1¼ mi. Queen St. W., to Ontario Amiesite Ltd., foot Spadina Ave., $37,500; waterbound macadam paving 1 mi. Ballantrae S., to Dagg Constr. Co., Kleinburg, $15,000. Est. $60,000.

Ont., Toronto—York Co., surface treating 50 mi. roads, to Bituminous Spraying & Contg. Co., Confederation Life Bldg. East. $50,000.

Ont., Toronto—York Twp., concrete curbing, guttering, asphalt on concrete paving 4 avenues, to Constructing & Paving Co. Ltd., Confederation Life Bldg., $28,008. Est. $28,000.

Ont., Toronto—York Twp., concrete curbing, guttering, sheet asphalt on concrete paving 15,000 sq.yd. St. Clair Ave. and Jane St., to Godson Contg. Co., 203 Richmond St. W., $72,029. Est. $70,000. Noted Aug. 30.

B. C., Vancouver—For 11 mi. sidewalks, curbing, to King & Moncrief Constr. Co., 207 Hastings St. W., $64,865; 22 mi. to E. A. Anderson, 306 20th Ave. E., $116,804.

Public Bond Elections

Coming Bond Elections

Waterworks—Granger, Tex., $60,000.
Sewage System—Flora, Miss., Sept. 18, $36,000.
Sewers—Lebanon, Ky., Nov. 6, $60,000.
Sewage System—Hallettsville, Tex., Sept. 17, $35,000.
Sewage Disposal Plant—Escondido, Calif., $70,000.
Roads—McNairy County, Tenn., Sept. 18, $125,000.
Roads—Madison County, Ill., Nov. 6, $1,850,000.
Paving — Hallettsville, Tex., Sept. 17, $50,000.
Schools — Portsmouth, O., November, $50,000.
Park and Playgrounds—Pascagoula, Miss., $60,000.
Bay Front Improvement — Corpus Christi, Oct. 16, $1,250,000.
Swimming Pool, etc.—Algona, Ia., Oct. 15, $25,000.
Natural Gas Lines—Omaha, Neb., Sept. 25, $1,500,000.

Bonds Voted

Waterworks, etc.—Ojus, Fla., $43,000.
Waterworks Ext.—Altus, Okla., $25,000.
Waterworks—Petrolia, Tex., $33,000.
Waterworks, Sewers, etc.—California, Mo., $36,000. Russell & Axon, St. Louis, Engrs.
Sewage System — Altus, Okla., $120,000. Peckham & Riggins, Oklahoma City, Engrs.
Irrigation — Hidalgo County, Tex., $3,000,000.
Roads—Major County, Okla., $600,000.
Roads—Muskogee County, Okla., $1,500,000.
Roads—Major County, Okla., $600,000. G. D. Kester, Fairview, Engr.
Roads—Yoakum, Tex., $200,000.

Buildings—Industrial

Proposed Work

Mass., Belmont—SERVICE and REPAIR GARAGE—Town sketches by H. T. Underwood, 46 Cornhill, Boston, 1 story, brick, steel, rein.-con., Waverly St. $40,000.

Mass., Salem—FACTORY—Park Leather Co., 55 Grove St., soon lets contract 2 story, 35 x 72 ft., brick, timber, Grove St. $40,000. W. H. Hunt & Son, 208 Essex St., archts.

Conn., Bridgeport—PLANT—Bridgeport Hardware Mfg. Co., 461 Iranistan Ave., basement for 2 story, 45 x 102 ft., brick factory unit. Total $40,000. Private plans.

N. Y., Albany—PLANT—Tibbits Milk Co., Inc., 38 Dallius St., 25 x 65 ft., brick addition.

N. Y., Brooklyn—MIXING BINS—Brooklyn Union Gas Co., 176 Remsen St., plans by Koppers Constr. Co., Union Trust Bldg., Pittsburgh, Pa., 3 story, 32 x 94 ft., brick, Garden and Maspeth Aves. $130,000.

N. Y., Brooklyn—FACTORY and LOFT—Newbrook Building Corp., R. Cantor, pres., 195 Jefferson Ave., plans by M. Klein, 65 Court St., 4 story, brick, West 9th and Roebling Sts. $100,000.

N. Y., Long Island City—SERVICE-GARAGE—F. Benes, 163-18 Jamaica Ave., Jamaica, plans by D. J. Lewison, c/o owner, 2 story, 75 x 98 ft., brick, concrete, 28th Ave. and 31st St. $50,000.

N. Y., New York—FACTORY, STORAGE and STORE—Trinity Corp., G. C. Crane, 72 Wall St., will not construct brick, steel, 73 Varick St. and 341 Canal St. Project in abeyance. $6,000,000. F. Parker, 119 West 57th St., archt. Noted Aug. 2.

N. Y., New York—SERVICE GARAGE—Bogild Realty Corp., S. Bogdonoff, pres., 391 East 149th St., plans by W. Shary, 41 Union Sq., 2 story, 78 x 125 ft., brick, concrete, Sheridan and 156th Sts. $90,000.

N. Y., New York—SERVICE GARAGE—C. Buckley, 2241 Creston Ave., plans by J. J. Dumigan, 2382 Grand Concourse, 2 story, 100 x 100 ft., brick, concrete, Haviland and Havemeyer Sts. $60,000.

N. Y., New York—SERVICE GARAGE—G. F. Baker, Jr., 75 East 93rd St., plans by Delano & Aldrich, 126 East 38th St., 2 story, 25 x 100 ft., brick, concrete, 69 East 93rd St. $75,000.

N. Y., New York—SERVICE GARAGE—Varsity Realty Corp., H. Diamond, pres., 110 East 42nd St., 2 story, 77 x 130 ft., brick, concrete, 158th St. and River Ave. $40,000.

N. Y., New York—SUB-STATION—New York Edison, N. E. Brady, pres., 130 East 15th St., plans by W. Whitehall, 709 6th Ave., 3 story, 43 x 74 ft., brick, concrete, 68 Dey St. $225,000.

N. J., Asbury Park—MILK DISTRIBUTING PLANT—Alderney Dairy Co., 26 Bridge St., Newark, sketches by W. E. Lehman, 972 Broad St., Newark, 1 story, basement, 65 x 80 ft., brick, steel, plain found., Drummond Ave. $40,000.

N. J., Jersey City—FACTORY—Crescent Aircraft Corp., O. J. Webster, pres., 200 Bway., New York, brick, steel airplane factory, plain found., Droyers Point. $250,000.

N. J., Kearny (sta. Arlington)—POWER HOUSE—Delaware, Lackawanna & Western R.R. Co., 90 West St., New York, N. Y., G. J. Ray, Hoboken, ch. engr., sketches power house along Hackensack River. $4,250,000. Private plans.

N. J., Paterson—DYEING and FINISHING PLANT—Columbia Piece Dye Wks., 182 Sheridan Ave., plans by J. Van Vlandren, 140 Market St., 2 story, basement, rein.-con., brick, steel, plain found., 174 Sheridan Ave. $40,000.

Pa., Chester—PRINTING PLANT—F. C. Watson, archt., Crozer Bldg., soon lets contract 2 story, basement, 100 x 114 ft., brick, steel, plain found., 8th and Sproule Sts., for Jno. Spencer, Inc., 517 Edgemont St. Noted June 21.

Pa., West Chester—PRINTING—H. T. Temple, 24 East Market St., soon lets contract 1 story, basement, 64 x 190 ft., brick, steel, plain found., 24 East Market St. Austin Co., Jefferson Bldg., Phila., archts.

Md., Highlandtown (Ind. sta. Baltimore) —FACTORY—Crown Cork & Seal Co. plans by L. R. White, Hearst Tower Bldg., Baltimore, 1 and 2 story, 150 x 600 ft., rein.-con., brick, steel factory.

Va., Weyneaboro—PLANT—E. I. Du Pont de Nemours & Co., Wilmington, Del., rayon manufacturing plant, 8 units. Total est. $46,000,000.

N. C., Henderson—STORAGE—Carolina Bagging Co., 100 x 300 ft. brick, concrete storage house addition. $60,000.

N. C., High Point—FACTORY—Carolina Container Co., I. Pringle, pres., factory. $200,000.

N. C., Polkton—FACTORY—R. G. Austin, Polkton and H. B. Allen, et. al., Wadesboro, shirt factory for Polkton Shirt Co. $100,000.

La., New Orleans—BOILER ROOM—Charity Hospital, Tulane Ave., plans by Favrot & Livaudais, Hibernia Bldg., rein.-con. boiler room. $110,000.

Tenn., Cookesville—HYDRO-ELECTRIC PLANT—Putnam Co. Voted $100,000, hydro-electric plant. Noted May 10.

Tenn., Nashville—MILL—Farris Lumber Co., rebuilding mill, recently destroyed by fire. $175,000-$200,000.

Ky., Ashland—ROUND HOUSE—Chesapeake & Ohio R.R. Co., Richmond, Va., C. W. Jones, ch. engr., rein.-con., brick roundhouse, installing equipment. $500,000.

O., Cleveland — BOILER HOUSE and COAL STORAGE—Peerless Motor Car Corp., E. VerLinden, pres.-genl. mgr., 4614 Prospect Ave., plans by W. Watson & Associates, archts. and engrs., 4614 Prospect Ave., brick, steel, East 93rd St. $40,000.

O., Cleveland—FACTORY and SHIPPING ROOM—Cleveland Wire Spring Co., C. A. Erickson, mgr., East 49th St., plans by

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Buildings—Industrial (Continued)

G. S. Rider Co., Century Bldg., archts. and engrs., 120 x 122 ft. brick, steel, East 49th St. $75,000.

O., Youngstown—NEWSPAPER PLANT—Youngstown Telegram sketches by Howell & Thomas, 3868 Carnegie Ave., Cleveland, 3 story, basement, brick, rein.-con. $400,000.

O., West Jefferson—REPAIR GARAGE—R. Gorham Auto Co., 1 story, 50 x 100 ft., brick, concrete, Main St. $40,000. Private plans.

Ind., Ft. Wayne—FACTORY—Ft. Wayne Engraving Co., 106 West Superior St., plans by Bradley & Babcock, 221 West Wayne St., 2 story, basement, 48 x 138 ft., rein.-con., brick. $47,000.

Ind., Indianapolis — FACTORY — W. Lynn-Chemical Co., North Davidson St., plans by L. H. Sturges, 527 Bd. of Trade Bldg., 3 story, basement, 35 x 100 ft., brick, steel. $65,000.

Mich., Detroit — WAREHOUSE — Crane Co., 836 South Michigan Bldg., Chicago, Ill., and 150 Randolph St., Detroit, plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., 1 story, rein.-con., brick, steel, plain found., Livernois Ave. $100,000.

Mich., Flint — MACHINE SHOP — Chevrolet Motors Co., General Motors Bldg., Detroit, plans by Wright & Nice, 4339 South Saginaw St., 1 story, 205 x 315 ft., concrete, brick, steel, plain found., West Kearsley St.

Ill., Cicero — NON-FERROUS METAL MILL—Western Electric Co., 11 South La Salle St., Chicago, and 195 Bway., New York, sketches non-ferrous metal mill. $3,000,000. Private plans.

Mo., Kansas City — WAREHOUSE — Skelly Oil Co., 2605 Walnut St., plans by S. C. Kenney, 715 Lloyd Bldg., warehouse. $40,000.

Tex., Mission — CONCRETE PIPE PLANT—W. F. Liston & Son, Harlingen, concrete pipe plant, near here. $50,000. Private plans.

Calif., Emeryville—FACTORY—Amateur Screw Products Co., 1265 67th St., factory addition, 67th St. $40,000.

Calif., Oakland — FACTORY — Seiberling Rubber Co., 60 Federal St., San Francisco, sketches factory. To exceed $40,000.

Calif., Sebastopol — GRAVEL PLANT — Daniel Contg. Co., 503 Market St., San Francisco, gravel plant, on Russian River. $50,000.

Que., Hull—CEMENT PLANT—Canada Cement Co., E. French, supt., altering and constructing addition. $500,000.

Que., Montreal — FACTORY — Pigeon & Drapeau, 2050 Gouin St., sash and door factory, Montreal North. $125,000.

Que., Shawinigan—FACTORY—Shawinigan Chemical Co. Ltd., factory addition. $500,000.

Ont., Dundas — FACTORY — Budweiser Brewing Co. of Canada, A. C. Caldwell, mgr., remodeling factory, incl. refrigeration for brewery. $100,000.

Ont., Guelph — FACTORY — Northern Rubber Co. Ltd., Metcalfe St., 2 story, basement, 60 x 120 ft., rein.-con., brick, steel addition, plain found., $80,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., London—PLANT—Steel Co. of Canada, R. H. McMaster, pres., Harvey Lane, expending $6,000,000-$7,000,000, 1 story, rein.-con., brick, steel addition, plain founds., incl. docks, wharves, blooming mill, soaking pits. Private plans.

Ont., New Toronto—PLANT—Goodyear Tire & Rubber Co. of Canada, 4 story, basement, 100 x 300 ft. addition.

Bids Desired

Mass., Boston—PLANT—H. P. Hood & Sons, 494 Rutherford Ave., Charlestown, taking bids 1 story, 75 x 140 ft., brick, stone, plain found., Etna and North Beacon Sts., Brighton. $40,000. Private plans.

N. Y., New York—WAREHOUSE—See "Contracts Awarded."

N. J., Perth Amboy—FACTORY—G. M. Ricci, archt., 224 Smith St., taking bids general contract altering and constructing 2 story, basement, 60 x 75 ft., brick, steel addition, plain found., East Ave., for D. Goldsmith, c/o architect. A. A. Schomberg, 244 Smith St., associated archt. Noted Aug. 16.

Pa., Pottstown — MILL — Sept. 7, by Washington Hosiery Mill Co., King and Rice Sts., 1 story, basement, 103 x 200 ft., rein.-con., brick, steel, plain found., Ritcher & Eller, 147 East 5th St., Reading, archts.

Miss., Oxford—POWER PLANT—Sept. 10, by City, T. H. McElroy, mayor, 1 story, 42 x 73 ft., rein.-con., brick power plant, also 2 ton hand operated traveling crane. F. P. Gates Co., 507 Edwards Hotel Bldg., archts. and engrs.

O., Canton — ADMINISTRATION and LABORATORY—Sept. 15, by Timken Roller Bearing Co., Dueber Ave. S. W., 3 story, basement, 40 x 100 ft., brick, steel, stone. $50,000. R. T. Campbell & R. A. Zenk, 144 West Wood St., Youngstown, archts.

Ind., Indianapolis—SERVICE—Chevrolet Co., 3909 East Washington St., taking bids (invitation only), 1 story, basement, 154 x 170 ft., brick, steel, East Washington St. and Brookville Rd. $85,000. Doeppers & Lennox, 226 East Michigan St., archts.

Ill., Chicago—ICE CREAM FACTORY—E. K. Eugene, archt., 436 East 79th St., taking bids 2 story, basement, brick, on 150 x 200 ft. site, 74th and State Sts., for Collins Ice Cream Co., c/o architect. $300,000.

Bids Received

N. Y., Ithaca — PLANT INDUSTRY — Commissioner Dpt. Educ., Educational Bldg., Albany, Aug. 9, general contract plant industry building, New York State College Agriculture, Cornell University, from F. W. Marks Constr. Co., 333 Commercial Trust Bldg., Phila., Pa., $777,400; heating, from W. W. Wetmore, Corp., 259 Delaware Ave., Buffalo, $63,880; sanitary work, from T. E. O'Brien, Inc., 6311 5th Ave., Brooklyn, $47,459; electrical work, from Vanderbilt-Wirley, Inc., 52 Charlotte St., Rochester, $35,516; foundation, from Tuller Constr. Co., 95 Monmouth St., Red Bank, $31,890. Noted July 19.

Contracts Awarded

Mass., Cambridge (br. Boston)—FACTORY—Cambride Salvage Supply Co., 91 Bway., 1 story, 125 x 150 ft., brick, timber, plain found., Charles, Bent and 5th Sts., to M. Slotnick, 333 Washington St., Boston. Est. $60,000.

Mass., Chelsea (br. Boston)—FACTORY—Beaudette Mfg. Co., Crescent Ave., 2 story, basement, brick addition, plain found., to Bond Bros., 79 Ferry St.

Conn., Fairfield — FACTORY, OFFICE and SERVICE — U. S. Aluminum Co., Post Rd., 1 story, 220 x 470 ft. factory, 2 story, 30 x 120 ft. office building, 1 story, 65 x 140 ft. service building, all brick, timber, Post Rd., to C. A. Fritz, Pittsburgh, Pa. Est. $275,000.

N. Y., Albany—PACKING PLANT—Albany Packing Co., Exchange St., general contract addition, to John B. Pike Son, Inc., 1 Circle St., Rochester. Est. $300,000.

N. Y., Buffalo — FACTORY — Kittenger Furniture Co., 1893 Elmwood Ave., 3 story, 60 x 75 ft., brick, 1925 S. Elmwood Ave., to Hydro Constr. Co., Mutual Bldg., $500,000.

N. Y., New York—WAREHOUSE—Lehigh Valley R.R. Co., G. T. Hand, chn. engr., 143 Liberty St., 12 story, 183 x 206 ft., brick, rein.-con., Gerard and 144th Sts., separate contracts. $750,000. Barney Ahlers, Constr. Co., 110 West 40th St., archts.

N. J., Paterson — FOUNDRY — Wright Aeronautical Corp., 139 Railway Ave., general contract 2 story, basement, brick, steel, Lewis St., to J. W. Ferguson Co., 152 Market St. Est. $290,000

N. J., Union—ICE PLANT—Central Atlantic Ice Co., Park Ave., Summit, 1 story, basement, brick, steel, plain found., Morris Ave. $80,000. Owner builds. Private plans. Noted Aug. 30.

Pa., Spring Mills (mail William Penn)—MILL—W. Steele Sons Co., (archts. and contractors) 15th and Cherry Sts., Phila., 1 story, basement, 102 x 153 ft., rein.-con., brick, steel, plain found., for Howard Hosiery Co. Est. $75,000. Noted Aug. 2.

La., Shreveport — GARAGE — Adolphus, Inc., c/o C. W. King, archt., Giddens Lane Bldg., 4 story, rein.-con., brick, steel, 520 Edwards St., to Werner Co., Inc., Commercial Bank Bldg., $72,900.

Tenn., Nashville—WAREHOUSE—J. L. Ramsey, c/o Ramsey Electrical Co., 430 Deaderick St., rein.-con., steel, 313 8th Ave. S., to Foster & Creighton, 4th and 1st Bldg. Est. $40,000.

Ky., Louisville—HEATING PLANT and LAUNDRY — J. N. Norton Memorial Infirmary, 1147 South 3rd St., rein.-con., brick, steel, on top of hospital wing, 3rd St. S., to L. W. Hancock Co., Louisville Trust Bldg., $41,000.

O., Cincinnati—FACTORY—Armleder Motor Truck Co., John St., 3 story, basement, brick, rein.-con., plain found., John St., to Frank Hill Smith Co., Winter Natl. Bank Bldg., Dayton, $100,000.

O., Cincinnati—FACTORY—Ohio Pattern Wks., Colerain Ave., 4 story, basement, brick, rein.-con., plain found., Colerain St., to D. Meinken & Son, 2143 Banard St., $125,000.

O., Cleveland—ENGINE and BOILER HOUSE—Hildebrandt Provision Co., 3615 Walton Ave., 1 story, 78 x 82 ft., brick, steel, 3615 Walton Ave., to Boldt-Rapp Co., 5511 Euclid Ave. Est. $40,000.

O., Cleveland—MACHINE SHOP—Hahn Mfg. Co., 5332 Hamilton Ave., 1 story, 38 x 73 ft., brick, steel, Hamilton Ave., to J. L. Hunting Co., Guarantee Title Bldg. Est. $40,000.

O., Columbus—POWER HOUSE—Dept. Welfare, 9th and Oak Sts., J. E. Harper, dir., 98 x 105 ft., brick, concrete, 35 ft. high to B. E. Gardner, Portsmouth, $52,091. Noted June 21.

O., Dayton—METAL SPINNING FACTORY—Variety Mfg. Co., 2901 West 3rd St., 1 story, basement, brick, rein.-con., plain found., Minerva St., to Hillsmith & Co., Winters Bank Bldg., $55,000.

Ind., Indianapolis—PACKING PLANT—Hilgemeier Bros., 519 West Raymond St., general contract 3 story, basement, 80 x 115 ft., rein.-con., brick, steel, to W. P. Jungclaus, 825 Massachusetts Ave. Est. $50,000.

Ind., South Bend—FACTORY—Bike Web Co., E. Morrison, pres., 4115 Ravenswood Ave., Chicago, Ill. 1 story, 190 x 220 ft. factory, to H. G. Christman & Co., 306 South Notre Dame St., $100,000.

Mich., Holland—BAKERY—Robinson & Co., archts., 715 Michigan Trust Bldg., Grand Rapids, 2 story, basement, rein.-con., brick, steel, plain found., Ottawa St., to A. Postma, 47 West 17th St., for Dutch Tea Rusk Co., 1363 Grandville Ave., Grand Rapids. Noted July 26.

Ill., Chicago—BOTTLING MACHINERY FACTORY—W. H. Hutchinson & Son, 2101 Walnut St., 1 and 2 story, 184 ft. front, Division and Augusta Sts., to Austin Co., 510 North Dearborn St. Est. $250,000.

Ill., Chicago — FACTORY — A. Epstein, archt., 2001 West Pershing Rd., general contract 2 story, 300 x 305 ft., to Heidel & Beck, 6235 South Michigan Ave., for Indestro Mfg. Co., 2650 Coyne St. Est. $800,000. Noted Aug. 2.

Wis., Milwaukee—STORAGE and MANUFACTURING —Geuder, Paeschke & Frey Co., St. Paul Ave. and 15th St., 1 story, 190 x 405 ft., brick, steel, plain found., St. Paul Ave., to Austin Co., Dearborn St., Chicago, Ill.

Ia., Dubuque — GARAGE—International Harvester Co., 606 South Michigan Ave., Chicago, 1 story, 93 x 171 ft., rein.-con., brick, steel, stone, plain found., to Kucharo Constr. Co., 622 Hubbell Bldg., Des Moines, $46,400.

Mo., Kansas City—SUB-STATION—Kansas City Power & Light Co., 14th St. and Grand Ave., plans by H. G. Freshman, c/o owner, 1 story, rein.-con., brick sub-station. $65,000.

Mo., St. Louis—POWER PLANT—Anheuser-Busch, Inc., 721 Pestalozzi St., awarded contract design and construction for industrial power plant, to Ophuls & Hill, Inc., 112 West 42nd St., New York; engrs. taking bids on sub-contracts and equipment. $1,000,000.

Ark., Rogers—MILK CONDENSERY—Barnes Dairy Products Co., G. S. Barnes, pres., Blytheville, 2 story, milk condensery local labor builds under supervision W. C. Easley, constr. engr. $200,000.

Calif., Los Angeles—SHOPS, MARKET—Chapman Bros., c/o Morgan, Walls & Clements, Van Nuys Bldg., 1 and part 2 story, 166 x 210 ft., rein.-con., 6th St., to Baruch Corp., Lincoln Bldg., $127,950.

Calif., San Rafael—CREAMERY—Marin Co. Milk Co., 825 4th St., 2 story, 60 x 130 ft., rein.-con., 3rd St., to F. H. Allen, Inc., 232 Main St., San Anselmo, $40,000.

Calif., Vernon—OIL REFINERY—Swift & Co., part 2 and 4 story, 115 x 215 ft., concrete, steel, to Richards-Neustadt Constr. Co., Natl. City Bank Bldg., Los Angeles, $135,000. Noted Aug. 16.

Que., Coaticook — FACTORY — Gilmour Chair Co. Ltd., factory, to Steward Constr. Co. Ltd., 12 Wellington St. N., Sherbrooke, $80,000.

Ont., Toronto—BAKERY—Regal Bakeries, 611 Gerrard St. E., excavation for 2 and 3 story, basement, 70 x 200 ft., rein.-con., brick, steel, plain found., to W. H. Thompson, 29 Marlborough Ave.; concrete, to R. A. Rogers, Hiawatha Rd.; masonry, to G. H. Huckle, 34 Madison Ave. Est. $175,000. Noted July 19.

Ont., Walkerton — REHABILITATING PLANT—Walkerton Electric Light & Power Co., W. A. Emerson, engr., rehabilitating plant, installing new equipment. $150,000.

Ont., Walkerville — FACTORY—General Motors of Canada, Oshawa, 1 story, 150 x 160 ft., brick, steel, Walker Rd., to Border Constr. Co., Imperial Blk., $60,000.

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Buildings—Commercial

Proposed Work

Vt., Rutland — BANK — Hutchins & French, archts., 11 Beacon St., Boston, Mass., soon lets contract altering and constructing 5 story, basement, rein.-con., brick, steel addition, plain found., Merchants Row, for Baxter Natl. Bank, 102 Merchants Row. Est. exceeds $150,000.

Mass., Fall River—STORE, RESTAURANT and OFFICE—J. M. Darling, archt., North Main St., soon lets contract 3 story, basement, brick, plain found., North Main and Granite Sts., for M. Thong. $150,000. Noted May 3.

Mass., Melrose (Ind. br. Boston)—HOSPITAL—Melrose Hospital, 585 Lebanon St., soon takes bids altering and constructing 2 story, basement, 45 x 145 ft., brick addition, plain found. $150,000. Stevens & Lee, 45 Newbury St., Boston, archts. Noted June 21.

Mass., Quincy (Ind. br. Boston)—APARTMENT—W. G. Shaw, 44 Butler Rd., revised plans by E. J. Batty, Inc., 13 Temple St., 3 story, basement, brick, stone, plain found., Butler Rd. $150,000.

Mass., Quincy (Ind. br. Boston)—BUSINESS—R. A. Grossman, 130 Granite St., plans by A. Rosenstein, 220 Devonshire St., Boston, 3 story, 150 x 300 ft., brick, steel, Franklin St. extension. $500,000. Noted Aug. 23.

Mass., Quincy (br. Boston)—THEATER—R. A. Grossman, 130 Granite St., brick, Franklin St. and Quincy Sq. $150,000 or more. A. Rosenstein, 220 Devonshire St., Boston, archt.

Mass., Salem — EXCHANGE — W. H. Koen, 19 Federal St., plans by G. H. Fanning, 221 Essex St., 3 story, basement, brick, stone, plain found., Franklin St. $150,000. New England Telephone & Telegraph Co., Milk St., Boston, lessee.

Mass., Salem—POST-OFFICE, STORE & OFFICE—O. F. Farley, 214 Riverway St., Boston, sketches by Eisenberg & Feer, archts., 46 Cornhill, Boston, 2 story, basement, 90 x 105 ft., brick, stone, plain found., 20-26 New Derby St. $150,000.

N. Y., Astoria—APARTMENT—Trusal Building Corp., 91-28 181st St., Jamaica, plans by W. Sambur, 164-10 Jamaica Ave., Jamaica, 6 story, 100 x 103 ft., brick, timber, 21st St. and 23rd Ave. $225,000.

N. Y., Brooklyn—APARTMENT—Roxol Building Corp., J. J. Sulin, pres., 350 Stone Ave., plans by MacManus & Griffiths, 11 East 42nd St., New York, 6 story, 70 x 100 ft. apartment, Ocean Parkway and Avenue O. $200,000.

N. Y., Flushing—APARTMENT—Maxim Realty Corp., 164-10 Jamaica Ave., Jamaica, plans by W. Sambur, 164-10 Jamaica Ave., Jamaica, 4 story, 90 x 95 ft., brick, steel, 30th and Jordan Aves. $160,000.

N. Y., Flushing—APARTMENT—Queens County Private Homes, Inc., 136-27 Flushing Pl., plans by J. Unger, 93 Amity St., 6 story, 85 x 100 ft., brick, timber, Parsons and Barclay Sts. $150,000.

N. Y., Long Beach—HOTEL—M. White, 295 6th Ave., New York, hotel. $400,000. Engineer and architect not selected.

N. Y., Long Island City—APARTMENT—Morris Rich Constr. Co., 7508 Roosevelt Ave., plans by M. Courlard, 366 5th Ave., New York, 6 story, 95 x 140 ft., brick, timber, Foster and 42nd Sts. $280,000.

N. Y., Long Island City—APARTMENT—N. A. R. Building, Inc., 45 West 45th St., New York, plans by D. J. Cohn, 45 West 45th St., New York, 6 story, 86 x 120 ft., brick, timber, 40th St. and Queens Blvd. $200,000.

N. Y., Long Island City—GARAGE and GAS STATION—Nash Queens Motor Co., 94-30 Merrick Rd., Jamaica, plans by B. Grunlack, 597 5th Ave., New York, 3 story, 125 x 168 ft., brick, concrete, Hillside Ave. and Parsons Blvd. $250,000.

N. Y., New York—APARTMENT—A. I. G. Building Corp., 1563 Macombs Rd., plans by H. I. Feldman, 415 Lexington Ave., 6 story, 88 x 91 ft., brick, steel, Jessup St. and Featherbed Lane. $250,000.

N. Y., New York—APARTMENT—G. W. Baker, Jr., 75 East 93rd St., plans by Delano & Aldrich, 125 East 38th St., 4 story, 100 x 114 ft., brick, stone, 1180 Park Ave. $150,000.

N. Y., New York—APARTMENT—Derfgot Building Corp., D. Gotthelf, pres., 1710 Montgomery St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 87 x 165 ft., brick, timber, Wallace Ave. near Lydig St. $300,000.

N. Y., New York—APARTMENT—Fifty-Five Avenue A Corp., A. Agoloff, pres., 25 Court St., Brooklyn, plans by Shampan & Shampan, 188 Montague St., Brooklyn, 12 story, 96 x 114 ft., brick, steel, 43 Avenue A. $900,000.

N. Y., New York—APARTMENT—Four Hundred Ten Central Park West Corp., A. Distillator, pres., 153 West 72nd St., plans by Margon & Holder, 29 West 57th St., 16 story, 75 x 90 ft., brick, steel, 410 Central Park West. $650,000.

N. Y., New York — APARTMENT — Golock Realty Corp., S. Gordon, pres., 56 West 45th St., plans by C. B. Meyers, 31 Union Sq., 6 story, 92 x 140 ft., brick, steel, Buhre and Park View Aves. $200,000.

N. Y., New York—APARTMENT—LYIB Corp., L. Yudin, pres., c/o Kavy & Kavovitt, archts., 350 Stone Ave., Brooklyn, brick, timber, Beach and Seward Sts. $170,000.

N. Y., New York—APARTMENT—Naples Holding Corp., D. W. Napoli, pres., 400 East Fordham Rd., plans by A. E. Schaefer, 2408 Grand Concourse, 4 story, 91 x 138 ft., brick, timber, Haviland and Clmstead Sts. $175,000.

N. Y., New York—APARTMENT—One Thousand Seventy-Four 5th Avenue Corp., A. Campagne, pres., 531 5th Ave., plans by R. Candela, 578 Madison Ave., 13 story, 86 x 90 ft., brick, steel, 1075 5th Ave. $600,000.

N. Y., New York—APARTMENT—Regent Building Corp., 179 Sherman St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 100 ft., brick, timber, Watson and Stratford Aves. $180,000.

N. Y., New York — APARTMENT — Regent Building Corp., 179 Sherman St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 100 ft., brick, timber, Watson and Manor Aves. $180,000.

N. Y., New York — APARTMENT — Thwartes Place, Inc., C. Singer, pres., 1383 Macombs Rd., plans by Cohn & Siegel, 45 West 57th St., 6 story, 130 x 131 ft., brick, timber, Barker St. and Pelham Parkway. $400,000.

N. Y., New York—APARTMENT—Two Hundred Twenty-Five West 71st Street Corp., A. A. Paterno, pres., 578 Madison Ave., plans by R. Candela, 578 Madison Ave., 16 story, 115 x 158 ft., steel, brick, 681 Amsterdam Ave. $1,300,000.

N. Y., New York—APARTMENT—Vanfair Realty Corp., D. G. Ludino, pres., 1061 Walton Ave., plans by C. S. Clark, 441 East Tremont Ave., 6 story, 106 x 142 ft., brick, timber, Heath Ave. and Kingsbridge Rd. $150,000.

N. Y., New York—APARTMENT—Vigo Realty Corp., J. Vigdor, pres., 1963 Arthur Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 89 x 100 ft., brick, timber apartment. $250,000.

N. Y., New York—APARTMENT HOTEL—Master Building, Inc., L. L. Herch, pres., plans by Helmle, Corbett & Harrison, 130 West 42nd St., 24 story, brick, steel, 313 Riverside Dr. $1,700,000. Sugarman & Berger, 345 Madison Ave., associated archts.

N. Y., New York—HOSPITAL—Bellevue & Allied Hospitals, J. J. McGrath, pres., 1st Ave. and 26th St., plans by C. B. Myers, 31 Union Sq., and Thompson, Holmes & Converse, associated archts., 101 Park Ave., 9 story hospital, 400 East 30th St. $3,750,000. Noted Mar. 1.

N. Y., New York—STORAGE and STORE—Winmore Realty Corp., J. T. Lee, pres., 25 West 43rd St., plans by L. A. Goldstone, 420 Lexington Ave., 9 story, 86 x 107 ft., brick, steel, 723 Lexington Ave. $400,000.

N. Y., New York—STORE and APARTMENT—Magnus Constr. Co., 2261 Haviland St., plans by O. Goldschlag, 1482 Bway., 4 story, brick, timber, Haviland and Havemeyer Sts. $150,000.

N. Y., New York—STORE and APARTMENT — Up-to-Date Development Corp., 2030 Walton Ave., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 82 x 125 ft., brick, timber, Hobart and Westchester Aves. $200,000.

N. Y., New York—STORE and OFFICE—F. Lee & L. Realty Corp., 145 West 34th St., plans by H. Oser, 1440 Bway., 22 story, 49 x 90 ft., brick, steel, 152 Madison Ave. $450,000.

N. Y., Pelham (Ind. br. New York) — HOSPITAL — Pelham Westchester Sanitarium, J. T. Fenlan, in charge, 167 Secor Lane, plans by Bloch & Hess, 18 East 41st St., New York, 4 story, brick, Pine and Maple Sts. $750,000.

N. Y., Richmond Hill (Ind. br. Jamaica) — APARTMENT — Deacon Development Corp., 26 Court St., Brooklyn, plans by Seelig & Finkelstein, 66 Court St., Brooklyn, 6 story, brick, timber, Park Lane and 108th St. $250,000.

N. Y., Sunnyside (mail Long Island City) —APARTMENTS—Nathan Holding Corp., 1230 Elder Ave., New York, plans by Faber & Kalkin, 1746 Pitkin Ave., Brooklyn, two 6 story, 82 x 100 ft., brick, timber, 44th St., and 43rd Ave. $290,000.

N. Y., Woodhaven (Ind. br. Jamaica) — APARTMENTS — Woodhaven Housing Corp., 90-30 Sutphin Blvd., 10 brick, stone, 83rd St. and Woodhaven Ave. $650,000.

New Jersey—APARTMENT, STORE, etc. —Gilvan, Inc., G. A. Herliman, pres., 52 East Palisade Ave., Englewood, apartment, stores, swimming pool, community center, gymnasium and theatre on 14,000 lots, Yorkview Sect. in Norwood and Cloister. $10,000,000. Private plans.

N. J., Bloomfield — APARTMENT — Owner, c/o M. Villanueva, archt., 604 Central Ave., East Orange, revised plans 4 story, basement, 15 x 100 ft., brick, steel, plain found., Lincoln and Clinton Aves. $150,000. Noted Jan. 18.

N. J., East Orange—APARTMENTS—R. Losti, c/o L. Kasoff, archt., 164 Market St., Newark, sketches two 4 story, basement, brick, steel, Arlington Ave. $250,000.

N. J., Grantwood—APARTMENT—H. Muller, 255 Lafayette Ave., sketches 4 story, basement, brick, steel, plain found., West End Ave. $150,000. Private plans.

N. J., Hackensack—APARTMENT and STORE—H. Fein, 190 Fairmount Ave., 4 story, basement, brick, steel, plain found., Johnson Ave. and Main St. $150,000.

N. J., Haddonfield — APARTMENT — Colonial Arms, Inc., c/o Edwards & Green, archts., 548 Federal St., Camden, 6 story, basement, brick, steel, plain found., Washington and West Park Aves. $175,000.

N. J., Harrison (br. Newark)—MUNICIPAL—Bd. Town Council, Town Hall, brick, steel, plain found. $150,000. Engineer and architect not selected.

N. J., Hasbrouck Heights (Ind. br. Hackensack)—APARTMENT—J. Cathcart, Passaic Ave., sketches by O. J. Getty, 274 Madison Ave., New York, 5 story, basement, brick, steel, plain found., Terrace Ave. between Henry St. and Passaic Ave. $200,000.

N. J., Hasbrouck Heights (Ind. br. Hackensack) — APARTMENT — Pickwick Arms, Inc., c/o H. Gerritsen, 118 Passaic Ave., Garfield, plans 5 story, basement, brick, steel, Terrace and Hamilton Aves. $250,000.

N. J., Jersey City—APARTMENT—B. Caminsky, Inc., Tube Concourse Bldg., plans by C. Shilowitz, 26 Journal Sq., 5 story, basement, 100x125 ft., brick, steel, plain found., Tonnelle Ave. $250,000.

N. J., Jersey City—ARMORY—State Military Bd., Capitol, Trenton, 4 story, basement, brick, steel, plain found., Mercier and Montgomery Sts., Summit and Jordon Aves. $1,500,000. Private plans.

N. J., Jersey City—HOSPITAL—C. H. Ziegler, archt., 75 Montgomery St., bids in October, general contract 8 story, basement, 104 x 181 ft., rein.-con., brick, steel, plain found., Clifton Pl., for Bd. Freeholders Hudson Co., Court House. $2,000,000. Noted Mar. 29.

N. J., Lyndhurst (br. Rutherford)—STORE and OFFICE—L. Hillhouse, c/o F. P. Friedman, archt., 395 Springfield Ave., Newark, 2 story, basement, 50 x 200 ft., brick, steel, plain found., Stuyvesant Ave. $150,000.

N. J., Madison — APARTMENT — Feldman & Pivnick, c/o R. Bottelli, archt., 45 Branford Pl., Newark, 3 story, basement, brick, steel, plain found., Green Village Rd. $150,000. Noted June 23, 1927.

N. J., Newark—APARTMENT—I. Jaffe, 60 Park Pl., plans by M. J. Nadel, 32 Hill St., 3 story, basement, brick, steel, plain found., 59 Aldine St. $150,000.

N. J., Newark—APARTMENT—I. Jaffe, 60 Park Pl., plans by M. J. Nadel, 32 Hill St., 3 story, basement, 75 x 100 ft., brick, steel, plain found., 287-91 Goldsmith Ave. $150,000.

N. J., Newark—APARTMENT—Stadium Realty & Investment Co., c/o N. Harris, archt., 20 Branford Pl., sketches 8 story, basement, 70x125 ft., brick, steel, plain found., 345-353 Bloomfield Ave. $250,000.

N. J., Newark—APARTMENT—H. Susser, 106 West 53rd St., Bayonne, plans by C. Goldberg, 437 Bway., Bayonne, 5 story, basement, 55 x 115 ft., brick, steel, plain found., 353-5 Roseville Ave. $150,000.

N. J., North Plainfield (mail Plainfield)—APARTMENT and STORE—E. Foley, 112 Hillside Ave., Newark, 4 story, basement, brick, steel, plain found., on 100 x 128 ft. site, 74-76-80 Watchung Ave. $150,000.

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AMERICA NEEDS MORE GARAGES IN HER CITIES

The Fundamental Value

of consultation with our garage engineers and the negotiation of a d'Humy Motoramp license agreement lies in the fact that it best

Protects the Owner's Investment

YOU may consult us in the preliminaries of any project, entirely without cost or obligation.

WILLIAM PENN GARAGE
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400 Cars Capacity
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RAMP BUILDINGS CORPORATION
21 East 40th Street New York, N. Y.

Buildings—Commercial (Continued)

N. J., Ocean City—HOTEL and PIER—Owner, c/o G. Kesiter, engr., and archt., 56 West 45th St., New York, sketches 5 story, basement, brick, steel hotel, plain found., and 337 ft. pier, 7th St. and Boardwalk. $4,000,000.

N. J., Orange — APARTMENT — J. J. Kelly, c/o Lilien & Lilien, archts., 155 West 72nd St., New York, 5 story, basement, brick, steel, plain found., North Oxford Pl. and South Center St. $250,000.

N. J., Orange—APARTMENT—J. Zingalli, Glen Ridge Ave., Montclair, revised plans by A. P. Nucciarone, 206 Central Ave., 4 story, basement, 90x135 ft., brick, steel, plain found., North Clinton and Washington Sts. $160,000. Noted July 26. Steam heating, elevators, boilers, stone, brick, metal lath, flooring, roofing, pipe.

N. J., Paterson—APARTMENT—Eastside Holding Corp., 193 East 33rd St., plans by E. C. George, 193 East 33rd St., 6 story, basement, brick, steel, plain found., 179-181 East 33rd St. $200,000.

N. J., Piscataway town (mail New Brunswick)—TOWN HALL—Bd. Boro Council, Town Hall, Raritan, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000. Noted Aug. 23.

N. J., Princeton—COMMUNITY HOUSE—Bd. City Comrs., City Hall, brick, steel, incl. auditorium and swimming pool, plain found. $150,000. Engineer and architect not selected.

N. J. Trenton—BANK and OFFICE—First Natl. Bank, 34 East State St., revised plans by Fork & Sawyer, 10 East 47th St., New York, and bids in November 4 story, basement, 85 x 96 ft., brick, steel, plain found., East State and North Broad Sts. $150,000. H. G. Balcom, 10 East 47th St., engr. Noted Mar. 22.

Pa., Phila. — APARTMENT — L. Lifter, 631 Walnut St., plans by Stetler & Dysher, 709 Chestnut St., 4 story, basement, 180 x 200 ft., rein.-con., brick, plain found., School House Lane and Wissahickon St.

D. C., Wash.—STORE—S. S. Kresge Co., Kresge Bldg., plans by H. Holmves, c/o owner, altering store, 720-24 7th Ave.

Fla., Tampa — MEDICAL ARTS — W. A. Binnio, 311 East 7th St., plans by Schumacher & Winkler, 10 story, medical arts building. $300,000.

La., New Orleans—SHOWROOM—Packard Motor Co., 1540 East Grand Blvd., 3 story, 120 x 150 ft., brick showroom. $150,000. Engineer and architect not selected.

Tenn., Nashville—HOSPITAL—State of Tennessee, Nashville, R. Lyle, comr. Institutions, plans by Marr & Holman, Stahlman Bldg., rebuilding Central State Hospital for Insane, 4 story hospital, near here, recently destroyed by fire. $200,000.

O., Cincinnati—ENGINE TERMINAL—Chesapeake & Ohio Ry., Richmond, Va., C. W. Johns, ch. engr., expending $2,300,000, engine terminal.

O., Cincinnati—PAVILION—Jewish Hospital, Burnet Ave., plans by Feckheimer & Ihorst, 1010 Schmidt Bldg., 1 story, brick, pavilion on top present hospital. $150,000.

Ind., Muncie — HOSPITAL — Ball Memorial Hospital plans by J. S. Adkins, 15 East 8th St., Cincinnati, O., 2 story, basement, brick, stone, Main St. $250,000.

Mich., Saginaw—WAREHOUSE—Schust Co., Congress St., plans by C. Macomber, 310 Forresters Bldg., 5 story, basement, 50 x 130 ft., rein.-con., brick, plain found., Congress St. $200,000.

Ill., Chicago—APARTMENT—C. Pogler, c/o A. Quitsow, archt., 228 North La Salle St., sketches 10 story, basement, on 147 x 153 ft. site Fair Oaks and Hazel Sts. $500,000.

Ill., Moline — HOSPITAL — Evangelical Lutheran Augustana Hospital plans by Horn & Sandberg, Central Trust Bldg., Rock Island, 4 story, rein.-con., brick, stone, 5th Ave. and 5th St. $350,000. Noted Feb. 16.

Ill., Rockford — CLUB — Rockford Elks Club, c/o C. Brown, secy., 229 Main St., plans by A. G. Erral, Stuart Bldg., and Bradley & Bradley, 520 Brown Bldg., rein.-con., brick, stone side and top addition, Main and Jefferson Sts. $250,000.

Wis., Milwaukee—APARTMENT—E. P. Holfare, 377 Prospect Ave., plans by W. Stuckert, 970 National Ave., 8 story, basement apartment, Prospect Ave.

S. D., Sioux Falls—HOSPITAL—Sioux Valley Hospital Assn., plans by Rose & Harris, 417 Northwestern Natl. Life Bldg., Minneapolis, Minn., 6 story, basement, 42 x 200 ft., rein.-con., brick, terra cotta, marble hospital. $250,000.

Ia., Cedar Rapids — STORE — Newman Mercantile Co., G. F. Newberger, genl. mgr., sketches by H. E. Hunter, Security Bldg., 6 story, basement, 60 x 140 ft., 2nd Ave. and 2nd St. $300,000.

Tex., Big Springs—OFFICE—G. T. Hall, 6 story office building. $150,000. Engineer and architect not selected.

Tex., Del Rio—HOTEL—A. A. Belding & E. A. Elliot 60-room hotel, on Devils River, west of here. $200,000. Private plans.

Tex., Ft. Worth—MARKET—H. J. Lyons plans by E. G. Withers, 401 Holmes Bldg., 1 and 2 story, 330 x 370 ft., rein.-con. or steel, hollow tile, Henderson and Railroad Aves., Lake and El Paso Sts. $270,000.

Tex., New Braunfels — HOTEL — New Braunfels Hotel Co., c/o E. Fisher, bids after Sept. 10, 4 story, 75 x 100 ft., rein.-con., brick, plain found. $150,000. W. E. Simpson & Co., engr., and H. P. Smith, archt., both Natl. Bank of Commerce Bldg., San Antonio. Noted Aug. 2.

Okla., Ada — LODGE and OFFICE — A. F. & A. M. Lodge plans by A. S. Ross, 116½ Main St., 7 story, basement, 50 x 140 ft., rein.-con., brick lodge. $200,000.

Calif., Bakersfield—BANK and OFFICE—United Security Bank & Trust Co., plans by H. A. Minton, Eddy and Powell Sts., c/o Bank of Italy, San Francisco, fireproof addition. $150,000.

Calif., Carlsbad—HOTEL, BATH-HOUSE, etc.—Stanford & Stanford, 1808 West Main St., Alhambra, sketches spanish type hotel, bathhouse and plunge. $300,000. Private plans.
Way. $165,000.

Calif., Long Beach—HOSPITAL—Seaside Hospital plans by Dedrick & Bebee, Heartwell Bldg., 5 story, rein.-con. addition. $150,000.

Calif., San Francisco—APARTMENTS—R. J. Mullin, 328 17th Ave., plans by D. C. Coleman, 110 Sutter St., two 3 story, Bay St. $75,000 each.

Calif., San Jose — DEPOT — Southern Pacific Co., 65 Market St., San Francisco, G. W. Boschke, ch. engr., brick passenger and freight depot, Santa Clara and San Fernando Sts. $200,000.

Calif., Santa Barbara—HOSPITAL—Cottage Hospital plans by C. M. Winslow, Architects Bldg., Los Angeles, 3 or more story, basemant, fireproof addition. $300,000.

Calif., Santa Cruz—BANK and OFFICE—Bank of Italy, San Francisco, plans by H. A. Minton, Bank of Italy Bldg., Eddy and Powell Sts., San Francisco, bank and office building, Soquel and Pacific Aves. $150,000.

Calif., Santa Monica — APARTMENT — Riviere Apartment Corp., c/o E. J. Baume, archt., Natl. Bldg., 4 story, basement, 135 x 210 ft., brick, San Vicente Blvd. $200,000.

Ont., Hamilton — EXCHANGE — Bell Telephone Co. of Canada, 118 Notre Dame St. W., Montreal, Que., plans by L. W. Meek, 76 Adelaide St. W., Toronto, 2 story, basement, 100 x 100 ft., rein.-con., brick, steel, stone, plain found., Jackson St. $150,000. Noted Aug. 30.

Ont., Hamilton—INFIRMARY—Dpt. P. Wks., Parliament Bldgs., Toronto, plans by F. R. Heakes, Parliament Bldgs., 2 story, basement, 115 x 150 ft., rein.-con., brick, steel, stone, plain found., Queen St. $200,000.

Ont., Hamilton—LOFT—Firth Bros., 144 James St. N., 4 story, basement, rein.-con., brick, steel, plain found. $200,000. Engineer and architect not selected.

Ont., North Bay—STORE—T. Eaton Co. Ltd., Yonge and Queen Sts., Toronto, rein.-con., brick, steel, plain found., Main St. $200,000. Engineer and architect not selected.

Ont., Sarnia—HOSPITAL—Sarnia General Hospital plans by C. C. Woods, 217½ Christina St., 2 story, basement, 42 x 140 ft., rein.-con., brick, steel, stone addition, plain found. $150,000.

Ont., Toronto—HOSPITAL—Toronto Orthopedic Hospital, 100 Bloor St. W., plans by Sproatt & Rolph, 1162 Bay St., rein.-con., brick, steel, stone, plain found. $250,000. Noted July 18.

Ont., Toronto—MARKET—Grand Central Markets Syndicate, c/o Associated Development Corp., 45 Richmond St. W., 1 and 2 story, basement, 140 x 257 ft., rein.-con., brick, steel, plain found., Yonge St. $350,000. Engineer and architect not selected.

Que., Montreal—HOTEL—Windsor Hotel Co., Ltd., 20 story hotel addition. $5,000,000.

Bids Desired

Mass., Boston—STORE—W. F. Schrafft Co., 160 Washington St., taking bids altering and constructing 4 story, basement, brick, steel, limestone addition, plain found., 356 Boylston St. $150,000. Parker, Thomas & Rice, 177 State St., archts.

Mass., Boston—STORE and OFFICE—F. W. Woolworth Co., Park Sq. Bldg., taking bids 6 story, basement, 70 x 215 ft., brick, stone, granite, plain found., 120 Tremont St. and 3 Hamilton Pl. $150,000 or more. Private plans. Noted Feb. 23.

Mass., Greenfield — THEATRE — G. B. Theatre Corp., N. E. Goldstein, 103 Bridge St., Springfield, taking bids 2 story, basement, 95 x 240 ft., brick, steel, plain found., $150,000 or more. Mowl & Rand, 21 School St., Boston, archts. Noted July 26.

Mass., Medford — APARTMENT — See "Contracts Awarded."

Mass., Natick—THEATRE and STORE—Suburban Amusement Co., F. L. Harris, pres., 34 Brooks St., Wellesley, taking new bids 1 and 2 story, basement, 60 x 200 ft., and 80 x 200 ft., brick, stone, steel, plain found., Hayes and Central Sts. $150,000 or more. Former bids rejected. J. E. Kelly, 38 Chauncy St., Boston, archt. Noted Jan. 5.

Mass., Waltham (Ind. br. Boston) — HOME — Sept. 11 (extended date), by Hutchins & French, archts., 11 Beacon St., altering and constructing 2 and 3 story, basement, irregular sized, brick addition, plain found., South St., for City, H. F. Beal, mayor, City Hall. $150,000 or more. Noted July 19.

R. I., North Providence (br. Providence) —TEMPLE—Roger Williams Lodge 32, H. H. Wardwell, chn., taking bids 2 story, basement, brick, stone, plain found., Steirs Ave. $150,000 or more. W. R. Walker & Sons, 49 Weybosset St., Providence, archts.

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. J., Asbury Park—THEATRE, CONVENTION HALL and AMUSEMENT PIER—Sept. 25, by Bd City Comrs., City Hall, 1 story, basement, 250 x 270 ft., brick, steel, plain, concrete and wood pile founds., Ocean Ave. between Sunset and 5th Aves. $2,000,000. Warren & Wetmore, 16 East 47th St., New York. Archts. Cottrell, Towner & Arend, 527 Bangs Ave., Asbury Park, associated archts. Noted Mar. 1.

N. J., East Orange — APARTMENT — Friedman & Lipstein, c/o Warren & Warren, archts., 31 Clinton St., Newark, takings bids general contract 7 story, brick, steel, plain found., 194 Park Ave. $350,000.

N. J., Englewood—APARTMENT—See "Contracts Awarded."

N. J., Nutley—APARTMENT—See "Contracts Awarded."

N. J., Nutley — APARTMENT — N. P. Maria, 357 Clifton Ave., Newark, taking bids general contract 3 story, basement, 115 x 115 ft., brick, steel, plain found., 335-37 Park Ave. $150,000. A. P. Nucciarone, 206 Central Ave., Orange, archts. Noted Oct. 20.

N. J., Orange—APARTMENT—See "Contracts Awarded."

N. J., Passaic — APARTMENT — See "Contracts Awarded."

Pa., Danville—TUBERCULOSIS COTTAGE—Sept. 11, by Danville State Hospital, 1 story, basement, 31 x 221 ft. tuberculosis cottage, 2 story, basement, 36 x 98 ft. female help building, brick, steel, plain found. F. A. Rianhard, Masonic Temple, Williamsport, archt.

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Pa., Phila. — APARTMENT — Franklin Manor Corp., c/o H. L. Reinbold, archt., 1632 Walnut St., taking bids 10 story, basement, 50 x 100 ft., rein.-con., brick, steel, plain found., 39th and Sansom Sts. $350,000.

Pa., Phila.—COMMERCIAL—Sept. 24, by Reading Co., C. Dillenbeck, ch. engr., Reading Terminal Bldg., 10 story, 225 x 500 ft., rein.-con., brick, caisson found., 1,250,000 sq.ft. floor space, Noble, 13th and Callowhill Sts. $3,000,000. Terminal Warehouse Co., Delaware Ave. and Front St., lessee. Noted Apr. 12.

Pa., Phila.— GARAGE — B. Shulman, archt., 1722 Arch St., taking sub-bids 3 story, basement, 70 x 186 ft., rein.-con., brick, plain found., 2nd and Delancey Sts., for Fox Garage, 2nd and Delancey Sts. $160,000.

D. C., Wash.—APARTMENT—See "Contracts Awarded."

N. C., Burlington—BANK—Sept. 17, Atlantic Bank & Trust Co., 7 or 9 story, basement, concrete, steel, brick, stone, marble, Main and Davis Sts. $200,000. C. C. Hartmann, Greensboro, archt.

Mich., Detroit—APARTMENT—Sept. 10, by F. Schwartz, 2318 Buhl Bldg., 4 story, basement, 77 x 105 ft., rein.-con., brick, steel, plain found., Rochester Ave. $150,000. M. H. Finkel, 1333 Book Bldg., archt.

Ill., Chicago — APARTMENT — D. S. Klafter, archt., 64 West Randolph St., taking bids 3 story, English basement, 50 x 164 ft., brick, stone, 5214 Woodlawn Ave., for M. Meyre, c/o architect. $210,000.

Wis., Milwaukee — OFFICE — A. H. Siewert, archt., 805 36th St., taking bids 11 story, basement, 70 x 120 ft., brick, steel, concrete, Wells St., for Medical Arts Building Corp., c/o E. A. Madden, 445 Milwaukee St. $500,000. Noted June 14.

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Buildings—Commercial (Continued)

Mo., Kansas City—TEMPLE—Sept. 12, by Keene & Simpson, archts., 1105 Land Bank Bldg., 3 and 8 story, basement, 130 x 200 ft., rein.-con., stone, Linwood Blvd., for Scottish Rite Temple, c/o E. R. Jones, 500 State Line. $1,500,000. H. Von Unwerth, 705 Finance Bldg., engrs. Noted March 15.

Calif., Los Angeles—APARTMENT-HOTEL—See "Contracts Awarded."

Calif., Los Angeles — APARTMENT — Cramer & Wise, archts., I. W. Hellman Bldg., taking bids 8 story, basement, 80 x 130 ft., concrete, steel, Hillcrest and Franklin Aves., for H. Hersch, et al., c/o architects. $300,000.

Ont., Toronto — OFFICE — H. Horner, archt., 79 Adelaide St. E., taking bids 2 story, basement, 100 x 126 ft., stone, marble, concrete found., University Ave., for Natl. Life Assurance Co. of Canada, 25 Toronto St. $175,000. Noted Feb. 9.

Bids Received

Mass., Waltham—HOSPITAL—Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, 5 story, basement, 125 x 170 ft., brick, steel, plain found., Trapelo Rd., Waltham, Belmont and Lexington, from Matthew Cummings Co., 43 Tremont St., Boston, $790,000. Noted Aug. 23.

Contracts Awarded

Mass., Brighton (sta. Boston)—APARTMENT—A. W. Weinstein, 905 Barristers Hall, Boston, 4 story, 100 x 100 ft., brick, stone, Warren St. $200,000. Owner builds.

Mass., Cambridge (br. Boston)—MANUFACTURING—Crandall Eng. Co., East Boston, 2 story, brick, steel, rein.-con., plain found., Kendall Sq., to W. M. Bailey Co., 88 Broad St., Boston. Est. $40,000. Noted Aug. 23.

Mass., Medford — APARTMENT — Dunbar Constr. Co., c/o M. Louis, archt., 39 Court St., Boston, 4 story, basement, brick, plain found., Fellsway, separate contracts. $150,000.

Mass., Roxbury (sta. Boston)—APARTMENT—L. Becker, 78 Moreland St., 3 story, basement, 100 x 100 ft., brick, steel, Maple and Cheney Sts. $150,000. Owner builds.

N. Y., Jamaica—OFFICE—Suffolk Title Guarantee Co., 161-19 Jamaica Ave., office building, 9th Ave. and 161st St., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Est. $500,000.

N. Y., New York—HOSPITAL—Eighty-Seven St. East End Avenue Corp., 250 Park Ave., 14 story, 96 x 201 ft., brick, steel, 162 East End Ave., to Thompson Starrett, 250 Park Ave. Est. $750,000. Noted July 19.

N. Y., New York—STORE and APARTMENT—D. G. Ludino, 1061 Walton Ave., 6 story, 90 x 174 ft., brick, timber, Kingsbridge Rd. and Heath St., separate contracts. $175,000. C. S. Clark, 441 Tremont Ave., archt.

N. J., East Orange—STORE and OFFICE—Main and Lincoln Realty Co., c/o E. H. Fougner, archt., 197 Market St., Newark, general contract 2 story, basement, 125 x 165 ft., brick, steel, plain found., Lincoln Ave. and East Main St., to Shore Constr. Co., 94 Christie St., Newark. Est. $150,000.

N. J., Englewood—APARTMENT—H. L. Miller, 343 Levinsohn Pl., 4 story, basement, brick, steel, plain found., Grand Ave. and Garret Pl., separate contracts. $150,000. C. Mettberg, 79 West Palisade Blvd., Palisade Park, archt. Noted Aug. 23. Steam heating, refrigeration, boilers, metal lath, etc.

N. J., Hoboken—HOTEL—M. Schuman, c/o Stasse & Barnes, archts., 175 5th Ave., New York, general contract 4 story, 60 x 100 ft., brick, steel, plain found., 2nd and River Sts., to B. Vezzetti & Sons, 1122 Washington St. Est. $150,000. Noted Aug. 2.

N. J., Jersey City—OFFICE and STORE—Universal Security Co., H. Runyon, 50 Journal Sq., general contract 3 story, basement, 75 x 125 ft. brick, steel, plain found., 922 Bergen Ave., to Deakman & Wells Co., 921 Bergen Ave. Est. $150,000. Noted July 5.

N. J., Montclair — APARTMENT and STORE—A. and P. Realty Corp., 15 Market St., Newark, general contract 6 story, basement, 104 x 154 ft., brick, steel, plain found., Church and South Park Sts., to Pellechia Constr. Co., 15 Market St., Newark. Est. $250,000. Noted Aug. 23.

N. J., Morristown — SANITORIUM — Aurora Health Farm, D. Schuman, in charge, Mendham Rd. sanitorium Mendham Rd., to Walker & Hodge, 1206 Bayport Pl., Far Rockaway, N. Y. Est. $250,000.

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N. J., Orange—APARTMENT—Scotland Arms, Inc., Scotland Rd., 5 story, basement, 75 x 125 ft., brick, steel, plain found., Whitehall Pl. and Vose Ave., separate contracts. $150,000. Noted Aug. 30.

N. J., Passaic—APARTMENT—Barnet Bros., 293 Paulison Ave., 4 story, basement, 60 x 100 ft., brick, steel, plain found., 32-34 Pennington Ave., separate contracts. $150,000. Preiskel & Skvaria, 2-6 Lexington Ave., archts.

N. J., Paterson—OFFICE and STORE—Lee Hamilton Building Corp., United Bank Bldg., Paterson, general contract 5 story, basement, 75 x 100 ft., brick, steel, plain found., 64-68 Hamilton Ave., to Standard Constr. Co., 972 Broad St., Newark. Est. $150,000. Former contract rescinded. Noted June 14.

N. J., Perth Amboy—BANK—J. N. Pierson & Son, archts., 198 Smith St., general contract 3 story, basement, 30 x 100 ft., brick, steel, plain found., Smith and Hobart Sts., to Perth Amboy Constr. Co., 61 Madison Ave. Est. $150,000. Noted Apr. 9.

N. J., Wildwood — OFFICE — P. Gould, c/o M. B. Reeves, archt., Wildwood, 3 story, basement, 75 x 100 ft., rein.-con., brick, steel, plain found., to C. S. Bannett, 4700 Springfield Ave., Phila., Pa. Est. $150,000.

Pa., Phila.—APARTMENT—Construction Co. of America, c/o G. S. Neubauer, 929 Chestnut St., 4 story, basement, 100 x 200 ft., rein.-con., brick, steel, plain found., 1508 Allegheny St., separate contracts. $400,000. D. Sapowitz, 929 Chestnut St., archt.

Pa., Phila. — APARTMENT — Fifteen Twelve Spruce Street Corp., c/o Ritter & Shay, archts., Packard Bldg., 30 story, basement, 46 x 209 ft., rein.-con., brick, steel, plain found., Spruce and Hicks Sts., to Murphy Quickley Co., 1512 Sansom St.

Pa., Phila. — APARTMENT — W. Friehofer, 20th and Indiana Sts., 4 story, basement, 82 x 155 ft., brick, steel, plain found., Colyn and Old York Rds., separate contracts. $275,000. K. F. Otto, 1828 Arch St., archt.

Pa., Phila. — APARTMENT — A. Rose, 1427 Nedro Ave., 4 story, basement, 67 x 123 ft., and 92 x 125 ft., brick, steel, plain found., Cresheim Rd. and Sedgwick Ave., separate contracts. $160,000. Private plans.

Pa., York — HOTEL — W. L. Stoddart, archt., 50 East 41st St., New York, 8 story, mezzanine, basement, 32 x 132 ft., rein.-con., brick, steel, plain found., to I. Reindollar, 936 Linden St., for Community Hotel Corp., C. B. Rice, York.

D. C., Wash.—APARTMENT—El & Kay, 474 Penn Ave. N. W., apartment, Conn. Ave. and Legation Sts., separate contracts. $600,000. L. T. Rouleau, 1420 K St. N. W., archt. Noted Oct. 13.

D. C., Wash. — APARTMENT — Independent Properties, Inc., 1410 H. St. N. W., apartment, 13th and Longfellow Sts., separate contracts. $150,000.

D. C., Wash. — APARTMENT — Wire Realty Co., 917 15th St. N. W., general contract apartment, 12th and Newton Sts., to D. E. Nichol, 1019 13th St. N. W. Est. $175,000.

La., Houma—BANK and BUS STATION—A. M. and J. C. Dupont, 1 story, 100 x 110 ft., brick, steel, rein.-con., Main St., to G. F. Favrot, Balter Bldg., New Orleans. Est. $150,000.

O., Cincinnati — APARTMENT — A. L. Pachoud, 3459 Montgomery Ave., 4 story, basement, brick, rein.-con., plain found., Herbert St., to Kennedy & Halloran, Main Ave., Norwood. $150,000.

O., Cincinnati—GARAGE—I. Hodesh, 529 Rockdale Ave., 9 story, basement, brick, rein.-con., plain found., Walnut St., to Parkway Constr. Co., 330 Provident Bank Bldg., $200,000.

O., Massillon—THEATRE, STORE and OFFICE—Massillon Theatre Co., general contract 3 story, basement, brick, steel 1st and Dawson Sts., to D. W. Smith, Dover, $300,000; heating to Standard Heating Co., Martins Ferry. Noted Dec. 8, 1927.

Ind., New Castle—INSTITUTION—State Building Comn., Indianapolis, general contract womens building, rein.-con., brick, steel, to A. R. Hunicut, Union City, $105,388. Noted Aug. 30. Heating and plumbing, to Tibbetts Heating & Plumbing Co., Union City, $18,300; electrical work, to Newcastle Electric Co., New Castle, $2,718.

Mich., Detroit — WAREHOUSE — Great Atlantic & Pacific Tea Co., 3 story, basement, 120 x 295 ft., rein.-con., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $300,000. Noted June 28.

Mich., Detroit—WAREHOUSE—W. H. Edgar & Son, 1924 Lafayette Blvd., 2 story, basement, 155 x 190 ft., rein.-con., brick, plain found., Dequindre St., to Martin-Krausman Co., 955 East Jefferson Ave. Est. $150,000.

Mich., Eloise—HOSPITAL and HOME—H. H. Prenzlaner, secy. Wayne Co. Poor Bd., City Service Bldg., Detroit, 3 story, basement, 100 x 240 ft., rein.-con., brick, steel, plain found., to Stibbard Constr. Co., 3000 Grand River Ave., Detroit. Est. $500,000. Noted Aug. 9.

Mich., Pontiac—HOTEL—W. G. Burke, 369 South Saginaw St., 3 story, basement, 60 x 200 ft., rein.-con., brick, steel, plain found., South Saginaw St., to Pryate Constr. Co., 405 Pontiac Bank Bldg. Est. $200,000.

Mich., Pontiac—HOTEL and STORE—S. Feldman, 1314 Penobscot Bldg., Detroit, 2 story, basement, 127 x 200 ft. rein.-con., brick, steel ,plain found., East Auburn Ave., to M. Engelman, 600 Kenelworth Ave., Detroit. Est. $150,000.

Ill., Chicago — APARTMENT — Levy & Klein, archts., 228 North La Salle St., masonry contract 4 story, basement, 62 x 200 ft. ,to W. Hammerstrom, 3127 Fullerton Ave.; plumbing, to D. Levy, 3725 Montrose Ave.; heating, to Ideal Heating Co., 6316 Wentworth Ave., for M. R. Rosen, c/o architects. Est. $395,000. Noted July 26.

Ill., Chicago — OFFICE and STORE — Holabird & Root, archts., 333 North Michigan Ave., general contract 5 story, basement, 68 x 164 ft., to Lundorff-Bicknell Co., 180 North Michigan Ave., for D. P. Judah, 2450 Lake View Ave. Est. $500,000. Noted June 21.

Ill., Chicago—STORE, OFFICE, BANQUET HALL—H. Ellenbogen, 3222 Lawrence Ave., general contract 2 story, basement, 71 x 116 ft., Kedzie and Leland Aves., to Henke & Schmitz, 3032 North Oakley Ave.; plumbing, to Lincoln Plumbing Co., 3317 North Ashland Ave.; electrical work, to J. E. Stein, 1517 North Hamlin Ave.; steel, to Wendnagel & Co., 600 West 22nd St.; cut stone, to Glenlake Cut Stone Co., 6155 Keystone Ave.

Ill., Evanston—APARTMENT—Cable & Spitz, archts., 220 South State St., Chicago, masonry contract 3 story, English basement, 152 x 183 ft., to A. M. Anderson, 5059 Wolfram St., Chicago, for A. Melnick, 77 West Washington St., Chicago. Est. $350,000. Noted July 5.

Ill., Waukegan—DEPARTMENT STORE—Oman & Lillienthal, archts., 431 North Michigan Ave., Chicago, masonry contract 5 story, 70 x 134 ft., rein.-con., brick, for Rubens Department Store, 8 North Genesee St., to Callner Constr. Co., 134 North La Salle St., Chicago; terra cotta to Northwestern Terra Cotta Co., 2525 Clybe Ave., Chicago; excavation, to J. C. Kukar, Waukegan. Est. $350,000. Noted May 10.

Minn., Faribault — HOTEL — Harvey Hotel Co., c/o T. J. Harvey, general contract 4 story, basement, rein.-con., brick, stone, to Paul Steenberg Constr. Co., 914 Builders Exch., St. Paul. Est. $250,000. Noted Aug. 2 "under Contracts Awarded."

Kan., Hutchinson—COURT HOUSE and JAIL—Finny Co., 4 story, basement, 71 x 106 ft., stone, rein.-con. to Baily & Burns, Norman, Okla., $122,400. Noted July 26.

Neb., Lincoln—APARTMENT—Company forming, c/o J. M. Alexander, 228 South 16th St., sketches by Miller & Craig, 126 South 11th St., 5 story, basement, 44 x 88 ft., rein.-con., brick, 13th and J. Sts. $200,000.

Mo., Richmond Heights (mail St. Louis)—HOSPITAL—Sisters of St. Mary, c/o Sister Raphael, general contract 3 story, basement, rein.-con., brick, stone, Clayton and Bellevue Aves., to Wimmer Contg. Co., Victoria Bldg., St. Louis. Est. $700,000. Noted June 14.

Tex., Dallas—DEPARTMENT STORE—Titche-Goettinger Co., E. Titche, pres., Main and Evray Sts., 8 story, basement, 125 x 200 ft., Elm St., to Watson Co., Santa Fe Bldg., $1,000,000.

Tex., Dallas—HOTEL—G. W. Owens & Associates, 334 Commerce St., 7 story, basement, 100 x 100 ft. hotel, Ballard Ave., to L. H. Lacy, 2632 Swiss Ave. $375,000. Noted Dec. 29.

Tex., San Antonio—BUS TERMINAL—Martin-Navarro Co., L. W. Lipscomb, pres., Frost Bank Bldg., 1 and 2 story, basement, rein.-con., brick, stucco, plain found., Martin and Pecan Sts., to Walsh & Burney, Inc., 928 Flores St. $110,000.

Okla., Tulsa—COLISEUM—Magic City Amusement Co., c/o Smith & Senter, archts., 305 Philtower Bldg., 1 story part basement, 160 x 300 ft., rein.-con., brick, steel, plain found., Elgin St., to W. Bellows, 103 East 13th St., $206,746. Noted July 19.

Calif., Los Angeles — APARTMENT — W. R. Adams, c/o Cramer & Wise, archts., I. W. Hellman Bldg., 5 story, 100 x 195 ft.,

Buildings—Commercial (Continued)

steel, to Moye & Brock, 5000 Budlong Ave. $165,000. Noted July 19.

Calif., Los Angeles — APARTMENT — Chateau Holding Corp., 5 story, basement, 43 x 95 x 115 ft., rein.-con., Serrano St., to R. H. Whinery, Grosse Bldg., $165,000.

Calif., Los Angeles—APARTMENT-HOTEL—A. T. Pelton, 6001 Santa Monica Blvd., 8 story, basement, 95 x 120 ft., rein.-con., Irola St., segregated contracts. $500,000. M. M. Friedman, 338 North Normandie Ave., archt.

Calif., Glendale — MUNICIPAL — City, general contract 6 story, basement, 50 x 140 ft., rein.-con., steel, to H. F. Jones, 39 Congress St., Pasadena, $162,000. Noted Aug. 2.

Calif., Los Angeles—APARTMENT—S. C. Woodward, 4 story, basement, 80 x 130 ft., brick, Camero Ave., to Chute Finance & Constr. Co., 501 North Verdugo Ave. Est. $150,000.

Calif., Los Angeles — HOSPITAL — Los Angeles Co. (unit 1) 1 story, part basement, 61 x 494 ft., (unit 2) 1 story, 61 x 214 ft., rein.-con., steel, Olive View Sanitarium, to P. J. McDonald Co., 1800 Industrial St., $187,452. Noted June 14.

Ont., Hamilton — HOME — City, general contract 3 story, basement, 70 x 138 ft., rein.-con., brick, steel addition, to W. H. Cooper, 6 Hughson St. N. Est. $150,000. Noted Dec. 22.

Ont., Toronto—OFFICE—Toronto Medical Arts Building, Lumsden Bldg., general contract 9 story, basement, rein.-con., brick, steel, stone, plain found., to Anglin-Norcross Ltd., Temple Bldg.; excavation contract, to Lioni & Co., 1411 Dufferin St. Est. $500,000. Noted Aug. 23.

Buildings—Educational, Religious

Proposed Work

Mass., East Bridgewater — SCHOOL — Town, H. L. Morehouse, chn. Building Com., altering and constructing 2 story, basement, brick addition, plain found., Bedford St. $150,000. Engineer and architect not selected.

Mass., Somerville—HALL—St. Catherines Roman Catholic Church, J. B. Peterson, pastor, 179 Summer St., plans by J. P. Heffernan & J. M. Gray, 175 High St., 2 story, basement, brick, plain found., 183 Summer St., $150,000.

Mass., Winthrop (br. Boston)—CHURCH—First Baptist Church, c/o Froham, Robb & Little, archts., 140 Boylston St., Boston, sketches church. $150,000.

R. I., Little Compton—SCHOOL—Town, J. W. Coombs, supt., plans by E. M. Corbert, 70 Bedford St., Fall River, Mass., brick, steel community school. $150,000. W. Tallman, 271 Union St., New Bedford, Mass., engr.

Conn., New Haven—LABORATORY—Yale University, brick, steel, stone medical research laboratory. To exceed $150,000. C. A. Jackson, 463 8th Ave., New York, archt.

Conn., Shelton—CHURCH—First Baptist Church, A. Prindle, pastor sketches by Kinne & Palmer, 256 Main St., Derby, brick, stone, Coram and Elm Sts. $150,000.

N. Y., Greece — SCHOOL—Rural School Dist., 1, A. R. Koerner, Ridge Rd., sketches by C. C. Ade, 89 East Ave., Rochester, school. $200,000.

N. Y., Tompkinsville (sta. Staten Island)—COLLEGE—Wagner College, 631 Serpentine Rd., bids in October, college. $250,000. Conable, Smith & Rowley, 46 West 24th St., New York, archts. H. G. Otto, 92 Beach St., Stapleton, associated archt.

N. J., Cliffside (mail Cliffside)—SCHOOL—Bd. Educ., Palisade Ave., plans by E. F. Manahan, 3 Knox Ave., Grantwood, and W. Mayer, Jr., and R. E. Genez, 711 Bergenline Ave., West New York, associated archts., 2 story, basement, brick, steel addition to School 4, Lawton Ave. $150,000. Noted June 7.

N. J., Collingswood (br. Camden) — CHURCH and BIBLE SCHOOL—Collingswood Presbyterian Church, H. J. Laid, pastor, plans by G. E. Savage, Witherspoon Bldg., Phila., Pa., stone, plain found., Fern St. and Maple Ave. $175,000.

N. J., Hackensack—COMMUNITY CENTER—Y.M.H.A., C. Plager, chn. Building Com., 211 Essex St., soon lets general contract 3 story, basement, 90 x 130 ft., brick, steel, plain found., Essex St. $150,000. D. Levy, 110 East 42nd St., New York, archt. Noted Apr. 19.

N. J., Jersey City—SCHOOL—State Bd. Educ., State House, Trenton, plans by Guilbert & Betelle, 20 Branford Pl., Newark, altering and constructing 3 story, basement, brick, steel addition, plain found. $150,000. Noted June 21.

N. J., Linden—SCHOOL—Bd. Educ., St. George Ave., brick, steel, plain found., Hackensack Ave. $150,000.

N. J., Lyndhurst (Ind. br. Rutherford)—SCHOOL—Bd. Educ., Town Hall, altering and constructing 2 story, basement, brick, steel addition, plain found., Fern Ave. $350,000. Engineer and architect not selected.

N. J., Lyndhurst (br. Rutherford)—SCHOOL—Bd. Educ., Town Hall, sketches by A. L. Vegliante, 42 Passaic Ave., Garfield, altering and constructing 2 story, basement, brick, steel addition, plain found., Ridge Rd. $175,000.

N. J., Neptune City (mail Avon by the Sea)—SCHOOL—Bd. Educ., South Main St., revised plans by L. T. Godfrey, 316 Kinmouth Bldg., Asbury, Park, and probably bids about Oct. 1, 2 story, basement, brick, steel, plain found., Green Grove Rd. $300,000. Noted Aug. 30.

N. J., Newark—SCHOOL—Bd. Educ., City Hall, plans by Simpson & Rolston, 45 Waknut St., 1 story, brick, steel, plain found., Boylan St. $187,000. Noted Aug. 30.

N. J., Newark—SCHOOL—Newark Academy, High St., sketches by Guilbert & Betelle, 20 Branford St., 2 story, basement, brick, steel, plain found., Orange St. and Branch Brook Park. $150,000. Noted Aug. 23.

N. J., Newark — SCHOOLS — Bd. Educ., City Hall, two 2 story and 3 story, basement, brick, steel schools, one in Vaukburg Sect. and other in Weequahanic Sect. $375,000 each. Engineer and architect not selected.

N. J., Plainfield—COMMUNITY CENTER—Jewish Community Center S. H. Schwartz, 185 North Ave., bids in November, 2 story, basement, 110 x 130 ft., brick, steel, plain found., West 7th St. and Central Ave. $150,000. Block & Hesse, 18 East 41st St., New York, archts. Noted June 28.

N. J., West Orange—SCHOOL—Bd. Educ., Northfield Ave., sketches by Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, 2 story, basement, brick, steel, plain found., St. Cloud Sect. $150,000. Noted Aug. 30.

Pa., Erie — CHURCH — Park Central Presbyterian Church plans by Corbusier & Foster, B. F. Keith Bldg., Cleveland, O., 1 story, 150 x 300 ft., steel, limestone church. $1,000,000.

La., New Orleans—ACADEMY—New Orleans Dominican Female Academy, St. Charles St., plans by A. S. Montz, 740 Poydras St., 4 story, 40 x 160 ft., brick, stone, St. Charles St. $160,000. Noted Oct. 29, 1925.

La., New Orleans—NURSES' HOME—Charity Hospital plans by Favrot & Livaudais, Hibernia Bldg., 3 story nurses' home, Tulane St. $150,000.

La., New Orleans — SCHOOL — Orleans Parish School Bd., City Hall, plans by E. A. Christy, City Hall, Merrick School, 3 story, rein.-con., brick, stone, Howard St. $150,000.

O., Cincinnati—NURSES' HOME—Jewish Hospital, Burnet Ave., plans by Fechheimer & Ihorst, 1010 Schmidt Bldg., 3 story, basement, brick, plain found., Burnet Ave. $600,000.

Mich., Pontiac— HIGH SCHOOL — Bd. Educ., soon take bids Lincoln Junior High School, 1 and 2 story, basement, 216 x 263 x 374 ft., $400,000; grade school, $300,000, both rein.-con., brick, stone. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted July 19.

Ill., Chicago — HIGH SCHOOLS — Bd. Educ., 650 South Clark St., E. Withall, genl. mgr., rejected bids high school at 82nd and Essex Sts., Long and Fullerton Aves., Austin and Cornelia Aves., 55th St. and Rockwell Ave., 18th St. and Kildare Ave. and 6520 South Wood St. Will readvertise. Noted July 19.

Ill., Waukegan — CHURCH and RECTORY — J. McCarthy, archt., 139 North Clark St., Chicago, soon takes bids 2 story, brick, stone, Grand and Washington Sts., for Catholic Bishop of Chicago, c/o W. Hoffman, 740 Cass St. $400,000.

Tex., Donna—HIGH SCHOOL—Donna Independent School Dist., Bd. Educ., c/o J. E. Weir, plans by Phelps & De Wees, Gunter Bldg., San Antonio, high school. $200,000. Noted Aug. 23.

Tex., Waco—SCHOOL—Bd. Educ. plans by B. Pearson, Waco, school. $160,000.

Ore., Portland — SCHOOL of COMMERCE — School Bd. Dist. 1, soon takes bids rein.-con., plain found. $400,000. G. H. Jones, City Hall, school archt.

Ore., Portland — HIGH SCHOOL — City plans by G. H. Jones, City Hall, 2 story, basement, rein-con., high school, incl. 26 rooms, auditorium, gymnasium, library, assembly hall, manual training shops, in Montavilla. $310,000.

Calif., Sacramento — SCHOOL — School Dist. plans by Dean & Dean, State Life Bldg., 2 story, concrete, brick, 4th St. $300,000.

Que., Sherbrooke — CONVENT — L. N. Odette, archt., convent. $200,000.

Bids Desired

Mass., Cambridge (br. Boston)—TEST LABORATORY—Massachusetts Institute of Technology, Massachusetts Ave., taking bids 1 story, 85 x 155 ft. engine testing laboratory and shop, brick. Vassar St. and Massachusetts Ave. $150,000 or more. Coolidge & Carlson, 89 State St., Boston, archts.

Mass., Roxbury (sta. Boston)—NURSES HOME—Massachusetts Women's Hospital, 53 Parker Hill Ave., taking bids 3 story, basement, brick, stone, plain found., Parker Hill Ave. $150,000. Andrews, Jones, Biscoe & Whitemore, 50 Congress St., archts. Noted Aug. 23.

N. Y., Elmsford—SCHOOL—School Dist. 9, Town of Greenburgh, bids about Sept. 20, general contract 2 story school. $250,000. Knappe & Morris, 171 Madison Ave., New York, archts.

N. Y., New York—SCHOOLS—Sept. 11, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 77, Ward Ave. and East 172nd St.; and P. S. 93, Story, Boynton and Elder Aves., for Bd. Educ., 500 Park Ave. Noted Aug. 30.

N. Y., Newark—DORMITORIES, etc.—Sept. 26, by Commissioner Mental Hygiene, Albany, Dormitory Buildings East and West, dining room and service buildings at Newark State School. Noted July 12; adv. E. N.-R. Sept. 6.

N. J., Bloomfield — TEMPLE and SCHOOL — A. G. Brach & S. Singer, archts., 60 Park Pl., Newark, bids about Oct. 1, general contract 2 story, basement, brick, steel, plain found., 430 Franklin Ave., for Temple Bnai Zion, A. Lipton, 13 Broad St., Newark. $150,000. Noted Aug. 9.

N. J., Boonton — SCHOOL — Sept. 7, by Bd. Educ., 714A Main St., general contract 2 story, brick, steel, plain found., Maple and Lathrop Aves. $300,000. Former bids rejected. Hacker & Hacker, Fort Lee Trust Bldg., archts. Noted Aug. 16.

N. J., New Milford—HIGH SCHOOL—Bd. Educ., Boro Hall, bids about Sept. 15, general contract 2 story, basement, brick, steel, plain found. $400,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Aug. 9.

N. J., North Haledon (mail Paterson)—ORPHANAGE—Sisters Order, Daughters of Mary Help of Christians, 41 Ward St., Paterson, bids about Sept. 1, general contract on revised plans 2 story, basement, 60 x 125 ft., brick, steel, plain found., Belmont Ave. $150,000. J. Bellomo, 6 Park Ave., Paterson, archt. Noted Aug. 9.

N. J., Teaneck (mail West Englewood)—SCHOOL—Bd. Educ., Town Hall, bids about Oct. 1, general contract 2 story, basement, brick, steel addition, plain found. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Main St., Fort Lee, archts. Noted Mar. 15.

Va., University (branch of Charlottsville)—DORMITORIES and ACADEMIC—University of Virginia, E. A. Alderman, pres., taking bids 8 dormitories and 1 academic building. $700,000. J. K. Peebles, Norfolk, W. D. Blair, 154 East 61st St., New York, R. E. L. Taylor, Union Trade Bldg., Baltimore, Md., associated archts.

Fla., Tallahassee — GYMNASIUM—Sept. 17, by State Bd. Control, gymnasium on grounds Florida State College for Women. R. Weaver, 200 Peabody Hall, Gainesville, archt.

La., New Orleans—MUSIC SCHOOL—Sept. 25, by E. Weil, archt., Whitney Bldg., Dixon Hall, 2 story, rein.-con., brick, steel, wood pile found., Newcomb St., for Newcomb College, Bway. St. $300,000. Noted May 31.

Tenn., Jackson—HIGH SCHOOL—J. D. Johnson, comr. Bd. Educ., taking bids 3 story, basement, concrete, brick, Allen Ave. $225,000. R. A. Heavener, Box 37, archt. Noted July 5.

O., Cincinnati—SCHOOL—Sept. 24, by Bd. Educ., 216 East 9th St., 3 story, basement, 151 x 303 ft., brick, rein.-con., plain found., Freeman St. $800,000. G. Drach, Union Trust Bldg., archt.

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Buildings—Educational, Religious (Cont.)

O., Columbus—DORMITORY—Sept. 10, by Paulina Home for Aged, 1323 East Main St., 2 story, basement, 70 x 120 ft., brick, steel, concrete. $150,000. Miller & Reeves, 203 East Broad St., archts.

Ind., Indianapolis—CHURCH—Wheeler Mission, 241 North Delaware St., taking bids and opens same about Sept. 19, 3 story, basement, 35 x 126 ft., rein.-con., brick. $150,000. Bacon & Tislow, 35 West Ohio St., archts.

Ind., Indianapolis—CHURCH—Sept. 11, by Scientist Church, Washington Blvd. and 34th St., R. E. Blossom, chn., 3520 Fall Creek Blvd., rein.-con., brick, steel, stone. $150,000. R. F. Daggett, Continental Bank Bldg., archt. Noted Mar. 29.

Ind., Indianapolis—CHURCH—Sept. 14, by Catholic Church, 42nd St. and Central Ave., M. O'Connor, pastor, 4217 Central Ave., 2 story, basement, rein.-con., brick, steel, 42nd St. and Central Ave. $250,000. H. Schlacks, 820 Tower Court, Chicago, Ill., archts.

Mich., Detroit—SCHOOL—Sept. 14, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, 65 x 140 ft., rein.-con., brick, steel, plain found., Asbury Park. $175,000. Burrowes & Eurich, 415 Brainard St., archts.

Ia., Cedar Rapids — SCHOOL — St. Patricks Roman Catholic Parish bids about Sept. 17, 3 story, basement, 125 x 195 ft., brick, stone, plain found. $175,000. C. B. Zaleskey, Cedar Rapids, archt.

Minn., St. Peter—DORMITORY—Sept. 13, by Gustavus Adolphus College, O. J. Johnson, pres., 4 story, basement, 102 x 176 ft. men's dormitory, rein.-con., brick, Kasota stone. $150,000. W. M. Ingemann, 586 Endicott Bldg., St. Paul, archt. Noted Aug. 16.

Bids Received

Mass., Quincy (Ind. br. Boston) — SCHOOLS—Pub. Building Dept., City Hall, Aug. 24, 2 story, basement, 45 x 152 ft., and 37 x 59 ft., Merrymount St.; and 2 story, basement 42 x 150 ft., and 40 x 60 ft. wings, Adams Shore, brick, steel, from P. J. Cantwell, 6 Dakota St., Dorchester, $307,900. Est. $300,000. Noted July 5.

Mass., Quincy (Ind. br. Boston) — SCHOOLS — City, J. N. Muir, supt., two 2 story, basement, 105 x 155 ft., brick, stone, plain found., one Pelican Rd., Adams Shore Dist., other Agawam Rd., Merrymont Dist., from P. J. Cantwell, 6 Dakota St., Dorchester, $307,900. Noted Aug. 30.

N. Y., Clifton Springs—SCHOOL—School Dist. 4, Town of Phelps, general contract 3 story, basement, from R. E. Stockwell, Lockport, $110,000. Heating, ventilating, and plumbing, from Hickey Bros., Olean, $31,004. Noted June 21.

N. J., Newark—VOCATIONAL SCHOOL —Essex Co. Bd. Vocational Educ., Hall of Records, general contract 3 story, basement, 195 x 245 ft., brick, steel, plain found., North 13th St. between Springfield Ave. and Little St., from F. Kilgus, Inc., 13 South 6th St., Newark, $553,293; plumbing, from Schrenell Bros., 73 South 12th St., $32,224; heating, from R. P. Lister, 532 Bloomfield Ave., Verona, $72,293; electrical work, from S. and S. Supply Co., 541 Clinton Ave., $21,499. Noted Aug. 9.

Contracts Awarded

Mass., Somerset — CHURCH — St. John of God Roman Catholic Parish, R. Furtado, pastor, Essex St., Fall River, 1 story, basement, brick, stone, plain found., near Reads Corner, South Somerset, to Bernier & Ambrosia, London St., Fall River. Est. $150,000 or more.

N. Y., Buffalo — SCHOOL — Bd. Educ., 900 Genesee Bldg., 3 story, 100 x 250 ft., rein.-con., brick, steel, to J. Christiana, Gerrans Bldg. Noted June 28.

N. Y., New York — CHURCH and APARTMENT — Second Presbyterian Church, 2 West 95th St., 16 story, brick, steel, to Church Eng. Co., 101 Park Ave. Est. $2,000,000. Noted Jan. 26.

Pa., Allentown — DORMITORY—Jacoby & Everett, archts., Commonwealth Bldg., 3 story, basement, sub-basement, 118 x 248 ft., rein.-con., brick, plain found., to Curtis Bros., 10 South 18th St., Phila., for Cedar Crest College. Noted Aug. 9.

Pa., Bethlehem — LIBRARY — Lehigh University, library, to Jacob & Youngs, 116 West 32nd St., New York. Est. $500,000.

Pa., Phila.—SCHOOL—Gleason & Mulrooney, archts., 250 South Broad St., 3 story, basement, 63 x 155 ft., stone, steel, granite limestone, plain found., to J. McSpain, 1713 Sansom St., for Resurrection of Our Lord Parish, J. M. Crosson, pastor. Est. $200,000. Noted Aug. 30.

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Pa., Pittsburgh — CHURCH — East Liberty Presbyterian Congregation, Penn Ave., general contract 1 story, basement, steel, stone addition, to E. A. Wehr, Hiland Bldg. Est. $150,000.

Pa., Warren — SCHOOL — School Dist., general contract 2 story, basement school, to Hyde Murphy Co., Ridgeway. Est. $150,000.

Pa., Wilkinsburg — CHURCH — Second Presbyterian Congregation, Mulberry St. and Franklin Ave., general contract 2 story, basement, brick, steel addition, to S. M. Wilson, 5941 Baum Blvd., Pittsburgh. Est. $150,000.

N. J., Kearny (sta. Arlington) — LIBRARY — Bd. Trustees Free Pub. Library, general contract 1 story, 100 x 150 ft., brick, steel, plain found., to M. Millimet, 988 Bergenline Ave., Union City, $95,000. Noted May 10.

Ky., Louisville—CHURCH—A. C. Zoeller, pastor Holy Trinity Church Congregation, Kentucky St. and Schiller Ave., part basement, auditorium, 85 x 125 ft., brick, stone, to National Concrete Constr. Co., Bd. Trade Bldg. Est. $200,000. Noted Jan. 26.

O., Akron—RECREATION—Akron Jewish Center, 2 story, basement, 108 x 112 ft. steel, 30 South Balch St., to O. Weinstein, 38 South Howard St., $150,000.

O., Columbus—LIBERAL ARTS—Bd. Trustees Ohio State University, C. E. Steeb, secy., general contract altering and constructing 3 story, basement, 180 x 200 ft., brick, stone addition, to R. H. Evans & Co., 8 East Long St., $299,195. Noted Apr. 12.

Mich., Grosse Pointe (br. Detroit) — SCHOOL—Sacred Heart Convent, 3 story, basement, 145 x 260 ft., rein.-con., brick, steel, plain found., Lakeshore Rd., to Walbridge-Aldinger Co., 2312 Penobscot Bldg., Detroit. Est. $600,000. Noted Aug. 23.

Mich., Kalamazoo — DORMITORY — Sisters of St. Joseph, North Burdick St., 4 story, basement, 55 x 340 ft., rein.-con., brick, plain found., North Burdick St., to DeRight Bros. Constr. Co., 300 McNair Bldg. Est. $300,000. Noted Aug. 9.

Ill., Chicago — SCHOOLS — Bd. Educ., 650 South Clark St., E. Withall, bus. mgr., general contract two 2 story, 200 x 265 ft. schools, one at Mobile and Armitage Aves., to S. N. Nielson Co., 3059 Augusta St., $275,840, other on 83rd St. and St. Lawrence Ave., to Frank Burke & Son, 35 South Dearborn St., $272,300. Noted July 19.

Ill., Chicago—SCHOOL—Catholic Bishop of Chicago, 740 Rush St., general contract marble, stone to M. J. Boyle Co., 105 West Monroe St. Est. $200,000. Noted Apr. 5.

Kan., Lawrence—FRATERNITY HOUSE —Phi Kappa Psi Fraternity, general contract 3 story, basement, brick, rein.-con., stone, to J. T. Constant & Son, Lawrence. Est. $150,000.

Mo., Clayton—CONVENT and SCHOOL —Ladies of Sacred Heart, c/o Mother Reid, Academy of Sacred Heart, Taylor and Maryland Aves., St. Louis, 2 story, basement, 300 x 360 ft., rein.-con., brick, native stone, Conway and Spoede Rds., to C. W. Schuler Co., 283 Texas Ave., St. Louis. Est. $200,000. Noted May 3.

Mo., St. Louis—SCHOOLS—Bd. Educ., 911 Locust St., general contract Walbridge School, 3 story, 35 x 96 ft. addition, to Gillespie & Daly, Inc., 6400 Nashville St., $49,846; Lindenwood Grade School, 3 story, 75 x 162 ft., McCausland and Mardel Sts., and Kennard School, 3 story, 63 x 191 ft., Potomac and Hereford Sts., rein.-con., brick, stone, to Humes-Deal Co., Arcade Bldg. $199,397 and $290,457 respectively. Grand total $539,700. Noted June 27.

Tex., Houston—HIGH SCHOOL—Houston Ind. School Dist., H. L. Mills, mgr., 1600 Washington Ave., general contract Junior High School, 1 and 2 story, 34 room, concrete, brick, hollow tile, steel, Washington Rd., to West & Jensen, 2106 2nd Natl. Bank Bldg., $138,250.

Tex., Houston — SCHOOL — Houston School Bd., 2 story, rein.-con. addition, 20th St., to C. Curts, Washington St., $211,060. Est. $215,000.

Calif., Sacramento — CHURCH — First Baptist Church, 3 story, basement, 110 x 121 ft., brick, steel, plain found., to C. J. Hopkinson, 1810 28th St., $163,000. Noted June 9.

Ont., Chatham—VOCATIONAL SCHOOL —Bd. Educ., B. Kendrick, chn., general contract addition, to Avery Shipp Constr. Co., 2850 Dundas St. W., Toronto, $94,248.

Federal Government Work

Proposed Work

Md., Annapolis — BOILER HOUSE — Spec. 5635 — Bureau Yards & Docks, Navy Dpt., repairing boiler house, Naval Academy (Engineering Experiment Station).

D. C., Anacostia (br. Wash.)—HEATING SYSTEM—Spec. 5721—Bureau Yards & Docks, Navy Dpt., Wash., D. C., heating system, at Naval Air Station.

O., Dayton—REPAIR SHOP—Constructing Quartermaster, Wright Field, 1 story, 200 x 300 ft., rein.-con., brick, steel, plain found., Wright Field. $243,000.

Tex., San Antonio — AIRPORT, etc. — Constructing Quartermaster, airport, incl. barracks, warehouse, road and utilities, on 3,400 acres land, 10 mi. northeast of here.

Bids Desired

Mass., Rutland Heights—GREENHOUSE —Sept. 11, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., greenhouse with workroom, U. S. Veterans Hospital.

Conn., Bridgeport—DREDGING—Oct. 3, by U. S. Engineer Office, Providence, R. I., in Bridgeport Harbor; adv. E. N.-R. Sept. 6. Noted July 19.

Conn., Norwalk — DREDGING — Oct. 1, by U. S. Engineer Office, Providence, R. I., in Norwalk Harbor; adv. E. N.-R. Sept. 6. Noted July 12.

D. C., Wash. — AIR COMPRESSOR — Sept. 11, by A. L. Flint, purch. agt. Panama Canal, Wash., D. C., air compressor, ignition cable, electrodes, portable pneumatic grinder.

Va., Norfolk — RIP RAP — Sept. 19, by U. S. Engineer Office, 3,032 short tons rip rap stone for repairing Craney Island Bulkhead, Norfolk Harbor; adv. E. N.-R. Sept. 6. Noted Aug. 23.

Tex., Fort Sam Houston (sta. San Antonio) — BARRACKS — Constructing Quartermaster, San Antonio, bids about Sept. 24, Artillery Barracks Building, 2 story, 50 x 350 ft., rein.-con., brick, stone.

Bids Received

Connecticut — DREDGING — U. S. Engineer Office, Providence, R. I., Aug. 24, dredging in Housatonic River, from Bridgeport Dredge & Dock Co., 1024 Main St., Bridgeport, Conn., $9,523. Noted July 5.

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 30 Whitehall St., New York, Aug. 29, 3,570,000 cu.yd. Hudson River, 8 mi. south of here, from United Dredging Co., 232 Bway., New York, 417,953. Noted Aug. 2.

N. Y., Beacon—OUTSIDE STEAM DISTRIBUTION SYSTEM—U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., at U. S. Veteran's Hospital, Castle Point, from Virginia Eng. Co., Newport News, Va., $35,873.

Va., Norfolk—DREDGING—U. S. Engineer Office, Aug. 30, 1,200,000 cu.yd. maintenance dredging in Southern and eastern branches of Elizabeth River, Norfolk Harbor, from Bickel Dredging Co., 50 Church St., New York, at $0.173 per cu.yd. Noted Aug. 16.

Illinois—DIKES—U. S. Engineer Office, Custom House, St. Louis, Mo., 3,000 lin.ft. dikes or hurdles at Crain Island, in Mississippi River, from Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, Mo., $126,345; 4,000 lin.ft. at Boston Bar, from W. P. McGeorge, Pine Bluff, Ark., $179,980. Noted Aug. 9.

Arkansas — EARTHWORK — Mississippi River Comn., 1st and 2nd Dists., McCall Bldg., Memphis, Tenn., 610,000 cu.yd. levee work in White River and Lower St. Francis Levee Dist., from Hughey Bros. Constr. Co., 971 James St., Memphis, Tenn. Noted Aug. 16.

Texas—DREDGING—U. S. Engineer Office, Galveston, in Houston Ship Channel, from Atlantic, Gulf & Pacific Dredging Co., Scanlan Bldg., Houston, at $0.1174 per cu.yd. Noted July 19.

Contracts Awarded

New Jersey—DREDGING—U. S. Engineer Office, 2nd Dist., Army Bldg., New York, dredging in Hackensack River, to Atlantic, Pacific & Gulf Co., 13 Park Row, New York, $228,213. Noted Aug. 16.

Mississippi—DREDGING and LEVEE—Third Mississippi River Comn., Vicksburg, 800,000 excav. in dredging and levee construction near Onward, to Wilbanks-Pierce, Inc., Bradentown, Fla.

La., New Orleans—LEVEE—U. S. Engineer Office, 6,300,000 cu.yd. levee work in (a) Lower Tensas Dist. (b) La Fourche

Federal Government Work (Continued)

Levee Dist. (c) Barataria Levee Dist. (d) Lake Borgne Levee Dist. (e) Pontchartrain Levee Dist. (f) Atchafalaya Levee Dist. and (g) Red River, Atchafalaya and Bayou Boeuf Dists., to D. B. Hearin & Son, Baton Rouge, (a1) $24,111; to Cameron & Kenyon, Inc., Port Allen, (a2) $26,250 (b1) $14,517; to Sternberg Co., Inc., Arcade Bldg., St. Louis, Mo., (b2) $23,200; to O. O. Ogden, Inc., Baton Rouge, (b3) $45,028 (e3) $73,-986 (f1) $35,029; to Lower Coast Constr. Co., Godchaux Bldg., New Orleans, (c1) $45,540 (d1) $28,980; to Lewis Chambers Constr. Co., New Orleans, (e1) $111,800 (e2) $52,142; to Callahan-Walker Constr. Co., 1200 Natl. Bank Bldg., Omaha, Neb., (g2) $12,200; to New Constr. Co., Manion, (g3) $14,000. Grand total $536,007. Noted

Ky., Louisville — MACHINERY — U. S. Engineer Office, P. O. Box 72, machinery and piping in power house and turbine pit, water pump and gate, valve operating machinery, to Virginia Mchy. & Well Co., 1319 East Main St., Richmond, Va., $31,848. Noted Aug. 2.

O., Sandusky—DREDGING—U. S. Engineer Office, Buffalo, N. Y., dredging, rock removal in Sandusky Harbor, to Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland, $1,021,300. Noted Aug. 9.

Mo., St. Louis — LUMBER — U. S. Engineer Office, Custom House, 1,000,000 ft. mattress lumber, to M. E. Leming Lumber Co., Cape Girardeau, $26,400. Noted Feb. 9.

Oregon—ROAD—U. S. Bureau P. Rds., Post Office Bldg., Portland, grading, surfacing Crater Lake Rd., Klamath Co., to A. Milne, Portland, $51,344.

Unclassified

Proposed Work

AIRPORT—**Boston, Mass.**—City, Park Dpt., 33 Beacon St., airport improvements, administration building, grading, drainage, pier, at Jeffries Point, East Boston. $125,-000. Private plans.

GRADE CROSSING ELIMINATION—**Hoosick, N. Y.**—Boston & Maine R.R. Co., W. J. Backes, ch. engr., Boston, Mass., eliminating Main Street Grade Crossing, at Hoosick Station, Rensselaer Co. $92,000.

GAS TANKS—**Long Island City, N. Y.**—Havemeyer & Elders, Vernon Ave. and 13th St., 9 gas tanks, Vernon Ave. and 13th St. $200,000.

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, ch., 49 Lafayette St., New York, rejected bids July 27, constructing Sect. 1, Route 108 subsurface railroad, Queens Boro. Will readvertise. Noted Aug. 2.

COMFORT STATIONS—**New York, N. Y.**—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., comfort stations, one each at Westchester Ave. and Eastern Blvd. $40,000, at 170th St. and Jerome Ave. and at 161st St. and Courtland Ave. $35,000 each, at Jackson Ave. and Southern Blvd. $30,000. M. Hausle, 3307 3rd Ave., archt.

GRADE CROSSING ELIMINATION — **Willsboro, N. Y.**—Delaware & Hudson R.R. Co., 32 Nassau St., New York, J. MacMartin, Albany, ch. engr., eliminating Essex-Willsboro Co. Hy. Crossing, north of here. $100,000.

LAND DEVELOPMENT—**New Jersey**—See "Buildings-Commercial."

CAUSEWAY — **Somerville, N. J.** — Bd. Freeholders Somerset Co., Court House, preliminary plans causeway on road from Millstone to East Millstone, $200,000. O. Smith, Court House, co. engr.

EXHIBITION CAGES and WALKS — **Wash., D. C.**—National Zoological Park plans by A. L. Harris, District Bldg., exhibition cages and walks.

SIGNAL SYSTEM—**Ventnor City** (br. Atlantic City), **N. J.**—Mayor and City Council, rebuilding fire and police signal system. $70,000.

TRANSMISSION LINE—**North Carolina**—North Carolina Pub. Serv. Co., Greensboro, 13,200 volt transmission line from Greensboro to Sedgefield, incl. sub-station at Sedgefield. $35,000.

SERVICE TUNNELS — **Cleveland, O.** — Peerless Motor Car Corp., E. VerLinden, pres., East 69th St. and Quincy Ave., 2 service tunnels, 200 ft. long, 5½ x 6 ft. inside diam. $25,000. W. Watson & Associates, 4614 Prospect Ave., engrs.

STREET LIGHTING SYSTEM — **Los Angeles, Calif.** — Los Angeles Co., ornamental street lighting system on Santa Monica Blvd., $30,000 or more.

SUBWAYS—**Hamilton, Ont.**—City Council, subways at several level crossings, concrete found., abutments, retaining walls, steel girders. $100,000-$250,000. W. L. McFaul, City Hall, engr.

Bids Desired

COMFORT STATIONS — **New York** — Sept. 17, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, two comfort stations on Hutchinson River Parkway, Eastchester and White Plains, Contr. 199. J. Downer, ch. engr.; adv. E. N.-R. Sept. 6.

PUMPING EQUIPMENT — **New York, N. Y.**—Sept. 14, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., equipment at Charlton and Spring Sts., 6th Ave. extensions; at 23rd, 25th, 110th Sts. at 8th Ave.; at 183rd St., Overlook Terrace, and Dyckman St. at Bway. on Church St., 8th Ave.-Washington Heights Line.

ROADS, WALKS, etc.—**New York, N. Y.**—Sept. 14, by Bd. Trustees Bellevue & Allied Hospitals, C. A. Perilli, acting pres., 415 East 26th St., roads, walks, railings, grates, fountains, flagpoles, etc., on grounds Bellevue Hospital, 26th St. and 1st Ave.

SUBWAY—**New York, N. Y.**—Sept. 14, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 3, Route 106, Rapid Transit R.R. along and under Grand Blvd. and Concourse, from East 167th to East 175th Sts.

STEAM LINE, etc.—**Jersey City, N. J.**—Sept. 13, by Bd. Freeholders Hudson Co., Court House, extension auxiliary steam line at power house, Hospital for Insane, Secaucus; miscellaneous work and equipment at Hudson Co. Jail; apparatus and equipment for water service, Power House. J. T. Rowland, Jr., Jersey Journal Bldg., archt.

LIGHTING SYSTEM—**Oakland, Calif.**—F. C. Merritt, city clk., taking bids street lighting system, incl. 325 standards with underground system, in portions Clay, Washington Sts. To exceed $25,000. Noted July 19.

Bids Received

TEST BORINGS—**New York**—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, Aug. 28, test borings on land in towns of Wawarsing and Gardiner, Ulster Co., and Fishkill, Dutchess Co., from Sprague & Henwood, Inc., 32 Pearl St., $11,-363. Noted Aug. 16.

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Aug. 31, constructing Sect. 5, Route 107, under Schermerhorn St. from Court to Bond Sts., from Necaro Constr. Co., Avenue C and East 11th St., New York, $5,611,000 (unofficial). Noted Aug. 16.

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Aug. 28, constructing Sect. 5-B, Route 109, Branches 1 and 2, from Cornell Constr. Co., Grand Central Terminal, New York, $2,974,000 (unofficial). Noted Aug. 16.

FERRY BOATS—**New York, N. Y.**—Dpt. Mental Hygiene, Albany, Aug. 29, 2 double end steel Diesel electric ferryboats for Manhattan State Hospital, Wards Island, from Spedden Ship Building Co., Inc., Boston St. and Kenwood Ave., Baltimore, Md., $266,-000. Noted Aug. 23.

FERRY SLIPS—**New York, N. Y.**—L. M. Farrington, secy. Dpt. Mental Hygiene, Albany, Aug. 29, ferry slips for Manhattan State Hospital, Wards Island, from Stillman-Delehanty Ferris Co., Hudson Blvd., Jersey City, N. J., $140,197. Noted Aug. 9.

TRACKS, etc.—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Aug. 31, installing tracks, contact rail for part Rapid Transit R.R., from B. T. and J. J. Mack, 160 Bway., $598,400. Noted Aug. 23.

GRADE CROSSING ELIMINATION — **Yonkers, N. Y.**—New York Central R.R. Co., Grand Central Terminal, New York, eliminating Tuckahoe Rd. crossing over tracks, from Lyons-Slattery Co., Inc., 224 East 41st St., New York, $126,782.

Contracts Awarded

SILOS and DOCKS—**Charleston** (Sta. Boston), **Mass.**—U. S. Gypsum Co., 300 West Adams St., Chicago, Ill., 6 concrete silos and docks, Chelsea St., Mystic Docks, to General Contg. & Eng. Co., 40 Rector St., New York. Est. $150,000.

COAL POCKET—**East Braintree,** (mail Braintree), **Mass.**—Old Colony Gas Co., Quincy Ave., coal pocket, rein.-con., Quincy St., to Clark & Smith, 13 Temple St., Quincy.

CANAL INTAKE etc.—**Farley, Mass.**—Franklin Power Co., canal intake, headwork, to F. T. Ley & Co. Inc., 20 Providence St., Boston. Est. $25,000 or more.

DUMP—**New York, N. Y.**—M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, constructing building, East 73rd and East 74th St. Dump, East River, Contr. 1889, to Eastern Constr. Co., 26 Court St., Brooklyn, $53,700. Noted July 19.

DRAINAGE PIPES—**Newark, N. J.**—Bd. City Comrs., City Hall, drainage pipes in R. Runway, Newark Airport, to P. D. Amato, 676 Bway., $60,131.

GAS LINE—**Tennessee and Louisiana**—Memphis Natural Gas Co., Memphis, Tenn., H. G. Scott, pres., pipe line, compressor stations to bring natural gas from Louisiana fields to Memphis, Tenn., to Ford, Bacon & Davis, Inc., 115 Bway., New York, $7,000,000.

LIGHTING SYSTEM, etc.—**Cincinnati, O.**—Rapid Transit Comrs., electric lighting, traffic control system for Central Parkway from Brighton to Ludlow Ave., to Union Gas & Electric Co., 4th and Plum Sts., $45,545, est. $58,000; artificial stone railings along Central Parkway on retaining wall and bridges to Indianapolis Gunite Co., 816 Continental Bank Bldg., Indianapolis, Ind., $48,336, est. $65,000. Noted Aug. 16.

CULVERTS—**Cleveland, O.**—City, 486 x 12 ft. rein.-con. culvert in Forest Hill Parkway, to Speedway Constr. Co., 3441 Lee Rd., $18,000—culvert in Giddings Brook, to C. L. Moore, 14630 Strathmore Ave., $22,587.

STORAGE SILOS — **Detroit, Mich.** — Petoskey Portland Cement Co., East Atwater St., 2 rein.-con. storage silos, base 45 x 96 ft., elevator, conveyors, to Hurrell Eng. Co., West Jackson Blvd., Chicago, Ill. Est. $150,000.

STOCKYARD and CATTLE BARN—**Milwaukee, Wis.**—Milwaukee Stock Yard Co., R. H. Scheill, genl. mgr., 19th Ave. and St. Paul Tracks, stock yard, dairy cattle barn, to H. Danischifsky, 1484 Humboldt Ave. Est. $350,000.

DOCK WORK—**Beaumont, Tex.**—Yount-Lee Oil Co., Jacinto Life Bldg., extending company dock system, increasing loading capacity from 9,500 bbl. to 20,000 bbl. per hr., to A. M. Mutersbaugh, Nagem Bldg., Lake Charles, La., $60,000.

FUEL OIL STATION, etc.—**Dalhart, Tex.**—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, ch. engr., Chicago, Ill., 5,000 bbl. fuel oil station, water treating plant, storage pump, to Railroad Water & Coal Handling Co., 608 South Dearborn St., Chicago, Ill., $45,000.

STREET LIGHTING SYSTEM—**Los Angeles, Calif.**—Ornamental lighting system on Spring St. between 1st and Main Sts., to Walker & Martin, 4215½ South Western Ave., $56,236.

TRANSIT SHEDS—**San Francisco, Calif.**—California State Bd. Harbor Comrs., Ferry Bldg., 4 concrete, steel transit sheds, to Macdonald & Kahn, Financial Center Bldg., $299,900.

Materials

Bids Desired

BOILER TUBES—**Phila., Pa.**—Sept. 11, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., boiler tubes, Contr. 69-1928.

PIPE, etc.—**Milwaukee, Wis.**—Sept. 12, by Central Bd. Purchases, J. W. Nicholson, purch. agt., 752.5 tons 42 in. Class C c.i. water pipe (plain); 71.36 tons 42 in. Class C c.i. water pipe (lugged) 34.02 tons Class C Specials; two hundred fifty 3-flange catch basin frames and grates with side inlet boxes; one hundred twenty 40 ft. and forty 45 ft. wood piles.

Bids Received

MINERAL AGGREGATE — **Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Aug. 30, 500 cu.yd. mineral aggregate, from Hunterspoint Lumber & Supply Co., Anable Ave., $1,275; 50,000 gal. asphaltic macadam binder, from Standard Oil Co., 20 Bway., New York, $3,160. Noted Aug. 23.

PORTLAND CEMENT—**New York, N. Y.**—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 28, 15,000 bags portland cement, from P. Sammone, 1358 Brook Ave., $9,225; 2,000 cu.yd. concrete and paving sand, from Ames & Carroll, 344 Kingsbridge Rd., $2,800. Noted Aug. 23.

Foreign

Mexico, Mexico City — Mexican Govt., Dpt. Communications & P. Wks., aerial port, incl. 4 hangars to house 15 planes each. 225,000 pesos.

T. H., Honolulu—Alexander & Baldwin plans by C. W. Dickey, Damon Bldg., office building. $1,000,000.

T. H., Honolulu—Honolulu Star Bulletin sketches by C. W. Dickey, Damon Bldg., newspaper publishing plant. $500,000 or more.

See proposal advertising on page 155

Constr. News page 135

UNIT PRICES

Unit Price Lists Published in August, 1928

		Issue of
Bridge approach	St. Louis, Mo.	Aug. 2
Dam	Pittsburgh, Pa.	Aug. 16
Dam	Albany, N. Y.	Aug. 23
Dam	Albany, N. Y	Aug. 30
Filter plant and pumping station	Kenilworth, Ill.	Aug. 23
Sewer	Halfway, Mich.	Aug. 9
Sewer	Louisville, Ky.	Aug. 16
Sewer	Detroit, Mich	Aug. 16
Sheet piling and drainage improvement	Syracuse, N. Y.	Aug. 9
Street improvement	Glencoe, Ill	Aug. 2
Tunnel	Albany, N. Y	Aug. 30

Bridge—Bridgewater, Vt.

State Highway Department, Montpelier, opened bids Apr. 26, Bridgewater Corners Bridge, from (A) Caughey & Pratt, Antrim, N. H., (awarded contract); (B) M. J. Burrington, Jr., Bennington; (C) Gordon & Sutton, North Adams, Mass.; (D) T. J. Harvey, North Adams; (D) H. L. Hauser Bldg. Co., Inc., Boston.

	A	B	C	D	E
430 cu.yd. common excav.	$1.20	$2.00	$1.20	$1.10	$1.50
600 cu.yd. structure excav.	5.00	3.50	5.00	5.00	8.00
125 cu.yd. gravel surface course	2.00	2.50	2.10	2.00	3.00
64 cu.yd. conc. Class "A" (1-2-4)	24.00	28.75	26.50	27.00	32.00
356 cu.yd. conc. Class "B" (1-2½-5)	19.50	19.50	19.10	19.50	26.00
18,920 lb. reinf. steel	.05	.06	.07	.06	.07
Steel superstructure	8,750.00	7,510.00	8,200.00	8,900.00	9,350.00
Temporary bridge (lump sum)	200.00	75.00	100.00	50.00	1,000.00
2,875 lin.ft. timber piling	1.00	1.50	1.25	1.10	1.00
2-8 lin.ft. wood guard rail	.75	1.00	1.15	.75	1.00
Totals	$25,171	$25,295	$25,731	$25,797	$31,881

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Bridge—Delaware

State Highway Department, Dover, opened bids June 19, Lewes Bridge over Lewes-Rehoboth Canal (Inland Waterway between Rehoboth and Delaware Bays on South St.). Bidders are: (A) A. S. Fox, Dayton, O.; (B) Forbes-Murphy Construction Co., Baltimore; (C) Shelbyville Manufacturing Co., Shelbyville; (D) Hill Construction Co., Burlington, N. J.

	A	B	C	D
300 cu.yd. dry excav	$3.00	$1.50	$3.50	$1.50
400 cu.yd. wet excav	9.00	10.40	10.00	4.00
760 cu.yd. Class "A" conc	23.00	18.82	25.00	20.00
20,000 lb. reinforcement	.06	.05	.06	.05
9,000 lb. structural steel	.12	.06	.10	.10
30 lin.ft. 18-in. corr. metal pipe	2.50	3.00	3.00	2.50
30 lin.ft. 18-in. rein. conc. pipe	3.50	4.00	4.00	6.00
Temporary bridge (lump sum)	5,346.00	5,448.00	7,500.00	7,500.00
Removal of rest p er (lump sum)	1,250.00	1,450.00	3,200.00	9,500.00
Bascule span (lump sum)	2,000.00	6,918.00	2,800.00	1,500.00
Bascule pier (lump sum)	750.00	1,400.00	1,300.00	4,500.00
Additions to bascule span	7,815.00	5,800.00	8,500.00	4,400.00
Operating equipment (lump sum)	2,800.00	5,900.00	1,500.00	8,000.00
2 M. ft. B.M. creosoted fender timber	125.00	250.00	200.00	150.00
300 lin.ft. creosoted fender timber piling	1.50	2.00	2.00	2.00
3,000 lin.ft. foundation piling	.80	.98	1.50	.90
Operator's house and equipment	1,825.00	2,210.00	2,000.00	1,000.00
Totals	$50,326	$54,729	$59,660	$60,405

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Water Supply—Springfield, Mass.

Fourteen bids were opened by Board of Water Commissioners, July 9, Contr. 11, Cobble Mountain Reservoir, Little River Water Supply, difference between low and average, 30 per cent. Lowest four and highest bidders are: (A) Winston & Co., Inc., 277 Fair St., Kingston, N. Y., (awarded contract); (B) The Carleton Co., Inc., Longacre Bldg., New York; (C) Rinehart & Dennis Co., Inc., Charlottesville, Va.; (D) Puget Sound Bridge & Dredging Co., 811 Central Bldg., Seattle; (E) Coleman Bros., Inc., 245 State St., Boston. Contr. 12, hydraulic fill dam and outlet tunnel, twenty-three bids, difference between low and average, 23 per cent. Lowest four and highest bidders are: (A) Frazier-Davis Construction Co., 1482 Arcade Bldg., St. Louis, (awarded contract); (B) R. S. Morrow & Son, 450 Brandeis Theater Bldg., Omaha; (C) Rinehart & Dennis Co., Inc.; (D) A. Guthrie & Co., Inc., 1300 Builders' Exchange, St. Paul; (E) Whiting-Turner Co., Inc., Stewart Bldg., Baltimore. E. E. Lochridge, Springfield, chief engineer. Hazen & Whipple, 25 West 43rd St., New York, consulting engineers. Unit bids follow:

CONTRACT NO. XI

	A	B	C	D	E
20,000 cu.yd. earth excav.	$1.50	$1.16	$1.00	$2.00	$3.00
7,000 cu.yd. rock excav. in dam	5.00	5.42	3.00	5.00	5.00
56,000 cu.yd. rock excav. in spillway	2.50	2.42	2.00	1.50	4.00
6,000 cu.yd. conc. in dam and spillway	18.00	17.10	18.00	15.00	23.00
1,000 cu.yd. conc. in bridge and tunnel closure	20.00	17.10	20.00	20.00	35.00
1,600,000 cu.yd. hydraulic fill in dam	.50	.55	.56	.75	1.00
150,000 cu.yd. rock fill in dam	.80	.106	2.00	1.00	3.00
Clearing—(lump sum)	175,000.00	151,000.00	185,000.00	101,000.00	120,000.00
Care of water and closing—(lump sum)	5,000.00	25,000.00	10,000.00	10,000.00	10,000.00
Grouting center of dam—(lump sum)	4,000.00	5,000.00	5,000.00	20,000.00	2,000.00
Totals	$1,437,000	$1,536,360	$1,677,000	$1,750,000	$2,674,000

CONTRACT NO. XII

	A	B	C	D	E
8,000 cu.yd. earth excav.	$2.00	$4.00	$1.00	$1.00	$1.20
8,000 cu.yd. rock excav—open cut	5.00	4.00	2.00	1.50	4.00
33,000 cu.yd. rock excav. in tunnel	10.00	9.45	12.00	10.80	18.60
3,000 cu.yd. rock excav, in shaft	7.00	12.00	20.00	15.00	15.65
11,000 cu.yd. conc. in tunnel lining	18.00	19.50	15.00	20.00	25.75
2,000 cu.yd. all other conc	18.00	19.50	20.00	25.00	22.00
Grouting—(lump sum)	10,000.00	7,000.00	10,000.00	6,500.00	18,000.00
Totals	$651,000	$672,350	$695,000	$697,900	$1,047,600

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Department store, Cleveland, O., W. Taylor Son & Co., $5,000,000.

Excavation, Santa Monica, Calif., plans election, $3,500,000.

Schools, Louisville, Ky., election Nov. 6, $3,000,000.

Paving, Houston, Tex., voted $2,550,000.

Office, New York, N. Y. Consolidated Gas Co., $2,500,000.

Stadium, Cleveland, O., election Nov. 6, $2,500,000.

Exchange, Hartford, Conn., Southern New England Telephone Co., New Haven, sketches, $2,000,000.

Apartments, Chicago, Ill., Syndicate, c/o D. S. Klafter, archt., sketches, $2,000,000.

Hotel, St. Louis, Mo., H. J. Rush, et al., plans, $2,000,000.

Exchange. Chicago, Ill., Illinois Bell Telephone Co., $2,000,000.

Sewers, Cleveland, O., election Nov. 6, $1,750,000.

Hotel, Windsor, Ont., Norton Palmer Hotel Co., $1,700,000.

Criminal court and jail, Cleveland, O., Bd. Comrs. Cuyahoga Co., election Nov. 6, $1,625,000.

Office and garage, San Antonio, Tex., K. M. Nix, bids after Sept. 20, $1,500,000.

Apartment hotel, San Diego, Calif., J. E. Collumb, $1,500,000.

Stores and garage, Brooklyn, N. Y., Hoerum Holding Corp., New York, $1,100,000.

Plant development, Jacksonville, Fla., Asiatic Petroleum Co., New York, $1,000,000.

Office, Jersey City, N. J., Pennsylvania R.R. Co., Phila., Pa., $1,000,000.

Roads, Cleveland, O., election Nov. 6, $1,000,000.

Bids Desired

Roads, Texas. Sept. 17, by G. Gilchrist, Austin, est. $1,396,400.

Bids Received

Subway, Long Island City, N. Y., Bd. Transportation, New York, Sect. 1 Route 108, from W. G. T. Constr. Co., Inc., New York, $6,974,000.

Public Bond Elections, coming and decided, are listed on Construction News page 142.

Buildings, Quantico, Va., Bureau Yards & Docks, Navy Dept., Wash., D. C., from J. A. Jones Constr. Co., Charlotte, N. C., $1,256,000.

Contracts Awarded

Apartment, New York, N. Y., Manhattan Square-Beresford, Inc., to H. R. H. Constr. Corp., est. $3,000,000.

Office, Ottawa, Ont., S. E. O'Brien, secy. Dpt. P. Wks., to Peter Lyall Co., Montreal, $2,500,000.

High school, Brooklyn, N. Y., Bd. Educ., New York, general contract to T. G. Sperling Co., and others, totalling $2,074,897.

Office and store, Chicago, Ill., Holabird & Root, associate archts., to Hegeman-Harris Co., for owner, est. $2,000,000.

Pipe line, Texas. Texas Pipe Line Co., (subsidiary Texas Co., New York), to C. F. Royle, White Deer, and others, est. $1,600,000.

Y.M.C.A., New York, N. Y., G. S. Bilheiner, bus mgr., to E. Corning, est. $1,000,000.

Club house, Minneapolis, Minn., Calhoun Beach Club, Inc., to Natl. Contg. Co., $1,000,000.

Apartment, Jersey City, N. J., C. Zerman, East Orange, separate contracts, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Mich., Grosse Pointe Farms (mail Grosse Pointe)—Extending waterworks, incl. 7,570 ft. 6 and 8 in. c.i. pipe, 19 hydrants, thirty-two 6 and 8 in. gates, 15 gatewells. $15,000. F. P. Walter, Grosse Pointe Farms, engr.

Tex., Amarillo—Helium Heights Co., c/o B. B. Karger, Amarillo, waterworks in new sub-division near helium plant (now under construction). $20,000 (mostly pipe). Private plans.

Tex., Seguin—P. Tartt, engr., Moore Bldg., San Antonio, soon takes bids water purification plant for City. $40,000.

Okla., Allen—Central States Power Co. preliminary plans extending 15,000 ft. 4 and 6 in. mains. $20,000. Private plans.

Bids Desired

Mass., Boston — Sept. 24, by Dpt. P. Wks., water pipe tunnel, laying water pipes in Congress St. $50,000 bonds. J. H. Sullivan, comr.

N. J., Lyndhurst (br. Rutherford)—Sept. 17, by Bd. Town Council, Town Hall, 6 in. mains in Jauncy, Maple and Peabody Aves., Cypress, 2nd, 6th, and Kearny Sts. T. F. Bowe, Association Bldg., East Rutherford, twp. engr.

Md., Towson—Oct. 1, by Comrs. Baltimore Co., mains in Milford, Liberty Heights and Hamilton Aves., Contr. 21-W, laying 17,800 lin.ft. 6- to 12-in. pipe, valves, fittings, Contr. 20-W, 16,450 lin.ft. excav. and refill for 6- to 12-in. pipe. A. E. Walden, Courthouse, ch. engr.; adv. E. N.-R. Sept. 13.

Md., Baltimore—Sept. 19, by Bd. Awards, mains in York Rd. and Stevenson Lane. E. G. Rost, Municipal Office Bldg., water engr.

Ind., Kendallville—Sept. 18, by Common Council, altering present turbine house, constructing concrete turbine found., concrete suction well, 24 in. gravity intake line, Div. 1; traveling water screen, Div. 2. Froehlich & Emery Eng. Co., 412 2nd Natl. Bank Bldg., Toledo, O., engrs.

Minn., Minneapolis — Sept. 18, by F. S. Gram, city purch. agt., 20,000 ft. 6 in. c.i. pipe, 18 ft. lengths; eighteen 12 ft. lengths 24 in. spigot and flange; ten 24 in., hub end, for Dpt. Water. N. W. Elsberg, city engr.

Mo., California—Sept. 17, by City Clerk, 22,430 ft. 4 and 6 in. c.i. pipe, 23 gate valves and boxes, 31 fire hydrants, 11,460 lb. c.i. specials, for waterworks, $28,000; 3,740 ft. 8 in. vitr. clay pipe, 14 manholes, 2,000 ft. trenching and backfilling under 4 ft. deep, 1,000 ft. 4 to 6 ft. deep, 740 ft. 6 to 8 ft. deep, screen chamber, sludge drying bed in disposal plant, $8,000. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, and 408 McDaniel Bldg., Springfield, engrs. Noted Sept. 6.

Tex., San Antonio—Terrell Hills Co., c/o W. Kelley, 149 East Mulberry St., taking bids sewers in 20 acre sub-division. $40,000. Hare & Hare, Huntzinger Bldg., Kansas City, Mo., engrs. Noted May 17.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity Municipal Bldg., New York, mains in Avenues V and W, Coney Island Boardwalk, to N. DeStefano, 378 Woodstock Ave., West Brighton, $77,745.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Long Island City — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 47th and 50th Sts., to Dragonnetti Contg. Co., 711 East 228th St., New York, $7,945; East Williston St., to Grippo Contg. Co., 40-16 201st St., Bayside, $5,963. Noted Aug. 16.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bailey and Sedgwick Aves., to Melrose Contg. Co., 230 East 162nd St., $59,700; Beach, Corlear, Fteley and Morgan Aves., to Sareno Contg. Co., 1957 Colden Ave., $9,224. Noted Aug. 2.

Mich., Allen Park—For 7,545 ft. 6 and 8 in. c.i. mains, valves, hydrants, to J. A. McDace Co., 2016 Webb Ave., Detroit, $15,000.

Minn., Hancock—L. C. Blackman, village clk., 11,252 ft. 4 and 6 in. c.i. mains, 19 gate valves, 21 hydrants, to Lee, Edwards & Lee, Benson, $15,307. Noted Aug. 9.

S. D., Madison—J. W. Emberg, city aud., general contract well and well house, to J. Robertson, Madison, $10,810; pumping equipment, supply main, to C. L. Breedlove, Madison, $3,030. Noted Aug. 9.

Mo., St. Louis—Bd. P. Wks., City Hall, 2 story, 50 x 105 ft., brick, concrete office building, Kingshighway and De Tonty St., to Dunham Constr. Co., 316 Chemical Bldg., for Water Dpt., L. Day, comr. $67,660. Noted Aug. 2.

Tex., San Antonio—T. Barrett, 419 North St. Marys St., waterworks on 700 acre subdivision, incl. 3 mi. 6 in. c.i. pipe, laterals. $60,000. Owner builds. Private plans. Noted Jan. 12.

Sewers

Proposed Work

N. J., Lyndhurst (br. Rutherford)—Bd. Town Comrs., Town Hall, preliminary plans rein.-con. sewer in Chase Ave. to Kingsland Ave. $55,000. T. F. Bowe, Associated Bldg., East Rutherford, engr.

N. J., Union—Twp. Com., Town Hall, sanitary sewers in Halsey St., Edward Terrace, Morrison and Kenneth Aves. $35,000. H. Kreh, Falls Bldg., twp. engr.

N. J., West Orange — Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, soon takes new bids storm drainage system on Bradford and Gregory Aves. $25,000. W. H. Stickel, Hall of Records Bldg., Newark, co. engr.

O., Cleveland Heights (Warrensville P. O.)—Trunk sewer in Monticello Blvd.

See proposal advertising on page 183

Constr. News page 137

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A satisfied customer for more than 20 years

This one concern has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints. Working pressures exceeding 200 pounds.

The Pennsylvania Water Company, Wilkinsburg, Pennsylvania, has been a satisfied user of Leadite for over 20 years.

It has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints; sizes have varied from 4" to 42" in diameter.

It has working pressures up to and exceeding 200 pounds per square inch.

The Pennsylvania Water Company makes a systematic water waste survey of its system each year which shows the tightness of the mains laid underground.

The Pennsylvania Water Company usually lays its pipe with its own forces, but the 20" line, shown in the accompanying picture, was laid by a contractor and with most excellent results.

This line was tested and the leakage on this line ranged from 1/3 to 1/10 of the allowable leakage as ordinarily specified.

Mr. W. C. Hawley is Chief Engineer and General Superintendent of the Pennsylvania Water Company.

Section of 33,000 feet of 20 in. c. i. bell and spigot water main laid by contractor for the Pennsylvania Water Company. Pressures ranging from 70 pounds to 225 pounds per sq. in.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c.i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . . Land Title Building . . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Sewers (Continued)

$250,000. F. A. Pease Eng. Co., Terminal Tower, Cleveland, engrs.

O., Columbus—Franklin Co., 1,790 ft. 6 in. c.i. mains in Sewer Dist. Marion 3, Impvt. 120, Marion Twp., $3,500; 10,285 ft. 6 and 10 in. c.i. Sewer Dist. Clinton 2, Impvt. 122, Clinton Twp., $26,000; 3,755 ft. 4- to 8-in. c.i. Sewer Dist. Franklin 4, Impvt. 129, Franklin Twp., $7,000; 1,585 ft. 6 in. Sewer Dist. Truro 1, Impvt. 131, $4,000, 6,015 ft. 4- to 8-in. Sewer Dist. Truro 1, Impvt. 134, $10,500, and 25,265 ft. 6- to 14-in. Sewer Dist. Truro 1, Impvt. 91, $60,000, all Truro Twp.; 19,780 ft. 6- to 16-in. Sewer Dist., Mifflin 1, Impvt. 110, $86,000; 5,345 ft. 6 and 8 in. Sewer Dist. Mifflin 1, Impvt. 132, Mifflin Twp., $9,000.

Tex., Amarillo—Helium Heights Co., c/o B. B. Karger, Amarillo, sewerage system in new sub-division near helium plant (now under construction). $30,000. Private plans.

Okla., Altus—Outfall sewer and disposal plant, $120,000. Peckham & Riggins, 603½ West Main St., Oklahoma City, engrs. Noted Sept. 6.

Okla., Maud — Preliminary plans 15,000 ft. 8 and 10 in. sewers in Fairview addition. $25,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—For 9,000 ft. 42 in. concrete storm sewer in East Ave. $35,000. W. W. Small, City Hall, engr.

Okla., Ponca City—Preliminary plans extending storm sewerage in business dist. $60,000. H. W. Crawford, Ponca City, engr.

Calif., Azusa—Currie system sewage plant in southwest section city. $100,000 incl. site.

Calif., Los Angeles—Los Angeles Co. 3.8 mi. vitr. sewers in Graham Unit 1, Impvt. 687, $58,950.

Calif., Los Angeles—Los Angeles Co. 12.4 mi. cement sewers in Belvedere Gardens, Unit 1, (Impvt. 577): $140,750.

Calif., Los Angeles—Sawtelle and Westwood Storm Drain System, $3,500,000; Cahuenga Ave. Storm Drain, 1,179 ft. 48 in. medium and 1,821 ft. 48 in. light storm drain, 618 ft. 24 and 36 in. rein.-con. pipe. E. A. Tuttle, Metropolitan Storm Drain Div., City Hall, ch. engr.

Ont., Windsor—Council, trunk sewer in eastern sect. city. $410,000. M. E. Brian, City Hall, engr. Noted May 3.

Bids Desired

New York—Sept. 25, by J. A. Burkart, secy. Bd. Sewer Comrs., 22 South Pearl St., Albany, at Fire Hall, Delaware and Adams Sts., Delmar, sewerage system, disposal works in Delmar-Elsmere Sewer Dist., town of Bethlehem, Albany Co. R. C. Wheeler, 36 State St., Albany, engr.

New York—Oct. 2, at Executive Dpt., Div. State Police, 190 State St., Albany, sewage disposal system, water lines, pump and pump pit at State Police Barracks, Westchester Co.; adv. E. N.-R. Sept. 13.

N. J., Bridgeton — Sept. 18, by City Council, C. P. Corey, clk., 16,220 lin.ft. 8 and 10 in. sanitary sewer. Remington & Vosbury, 509 Cooper St., Camden, engrs.

N. J., Newark — Sept. 19, by Bd. City Comrs. City Hall, relief sewer in 2nd Ave. $50,000. J. W. Costello, city engr.

Ind., Indianapolis—Sept. 14, by Bd. P. Wks., main sewer in Pleasant Run Blvd., South Dr. and Greenbriar Lane.

Ia., Orange City—Sept. 22, by City, sewage disposal plant, incl. Imhoff tank, rock filters. W. E. Buell & Co., Davidson Bldg., Sioux City, engrs.

Neb., Gordon—Sept. 17, by City Clerk, filter beds, pumping station, Imhoff tanks. $30,000. Henningson Eng. Co., 326 Union State Bank Bldg., Omaha, engrs. Noted Aug. 30.

Neb., Rushville—Sept. 18, by City Clerk, 22,500 ft. 8- to 15-in. sewers, 60 manholes, 8 flush tanks, 2,400 ft. 3 in. galvanized pipe, sewage disposal plant, incl. Imhoff tank and dosing chamber, sludge bed, sprinkling filter. Henningson Eng. Co., 326 Union State Bank Bldg., Omaha, engrs.

Mo., California—See "Waterworks."

Tex., San Antonio—Terrell Hills Co., c/o W. Kelley, 119 East Mulberry St., taking bids 2- to 6-in. c.i. water distributing system in 200 acre sub-division. $30,000. Hare & Hare, Hutzinger Bldg., Kansas City, Mo., engrs. Noted May 17.

Okla., Garber—City Clerk bids about Sept. 15, sanitary sewer extension. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Weatherford — City Clerk bids about Sept. 20, sanitary sewerage system. $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ont., Palmerston—Sept. 18, by S. Mathers, town clk., sewage disposal plant. $35,000. F. W. Thorold, 54 Admiral Rd., Toronto, engr. Noted Sept. 6.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in Farragut Rd., to S. Guerriero, 1024 66th St., $10,747; North 14th St., to P. Tomassetti Contg. Co., 1074 60th St., $5,925; East 95th St., to C. Tozzi, 1354 63rd St., $1,602. Grand total $18,274. Noted Aug. 9.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, sewer in Olympia Ave., to J. J. Johnson, 445 Bway., West New Brighton, $96,336; Alter Ave., to T. W. Rogers, $66,938. Finley Ave., to Substructure Co., $7,051. Grand total $170,325. Noted Aug. 2.

N. J., Glen Ridge — Boro Council, Joint 3rd River Sewer, 12,400 lin.ft. monolithic concrete pipe, to Pratt & Lord, Chester, Pa., $188,000. Noted Aug. 9.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, branch sewers in Belden and Shisler Sts., to Leva Bros., 104 Gale St. $9,076 and $9,651 respectively—Briar Rd., to A. Frunzi, 513 High St. $13,465—Bristol St., to P. and A. J. Ellis, 4th and Wyoming Sts. $5,778—Devereaux St. and Summerdale Ave., also Leverick and Algard Sts., to A. Di Sandro & Son, 6400 North 5th St., $23,058 and $12,527 respectively—Friendship St., to Jafalla & Mark, 606 Lindley St. $8,194—Grovers Ave., to V. Jafalla, Penna Bldg., $12,468—I St. and Whitaker Ave., to Vattieri & Pontarelli, 523 Rising Sun Ave. $5,618 and $12,660 respectively—I St., to E. Venbresco, 6016 Ross St. $3,354—Knorr and Unruh Sts., to Pasquale Pinciatti, 4103 Roosevelt Blvd., $25,680 and $22,866 respectively—Luzerne St., to Campellone & Diorio, 3856 North 10th St., $6,822—13th St., to F. Jafalla, Cheltenham, $6,255. Grand total $177,472.

Fla., Bonifay — K. G. Rooks, city clk., sewerage system, water extension, to F. Mosley, Inc., Panama City, $40,032. Noted Aug. 30.

O., Wickliffe (br. Cleveland)—Sewers in Euclid Ave. (West and Center Sects.), to Iafornara - Galletti Co., Union Mortage Bldg., Cleveland, $63,583 and $68,000 respectively; Euclid Ave. (East Sect.) and Lloyd Rd., to Curro & Whittaker Co., Engineers Bldg., Cleveland, $69,635 and $167,369 respectively; brick sewer in Worden Rd., to Manson Co., Engineers Bldg., Cleveland, $103,735. Grand total $472,322.

Mich., Dearborn — M. A. Stevens, city clk., 16,790 ft. 12- to 48-in. sewers in Sewer Dist. 23, to J. Rossi, 17501 Outer Dr., Detroit, $47,940. Noted July 26.

Ill., Fullersburg (Hinsdale P.O.)—Storm water system, to T. H. Iglehart, 166 Jackson St., Chicago, $80,920.

N. D., Jamestown—W. O. DePuy, city aud., sewage disposal plant, to E. A. Moline, Jamestown, $86,555. Noted Aug. 23.

Tex., Houston—Sewers in Oxford St., to Walker & Elder, 4714 Jack St., $109,231 est. $125,000; in Commonwealth St., to Tellepsen Constr. Co., 4400 Clay St., $45,183. Est. $50,000.

Okla., Oklahoma City—For 11,000 ft. 15 and 18 in. concrete sewers in 9th St., to Koller Constr. Co., Tradesmens Bldg., $21,235. Est. $33,000.

Okla., Tulsa—For 15,992 lin.ft. 8 in. vitr. clay sewers in Dist. 275, Hickory Manor Addition, Blocks 1, 3, 4, 5, 6, 7 and 8, Florence Park Addition, Block 2, Exposition Heights 2nd Addition, 3rd addition Sunrise Terrace, to W. B. Carter, 7 North Rockford St., $37,297.

Ont., Port Colborne—For 7,187 ft. storm sewers, to R. H. McGregor, 261 Donlands Ave., Toronto, $55,000.

Ont., Sandwich—For 8 in. and up vitr. tile sewers in Lena St., Manchester and Matchett Rds., to Couloti Bros., 612 Langlois Ave., Windsor, $28,141; Sunset Ave., to Ryan Constr. Co., 109 Ottawa St., Walkerville, $1,639. Est. $30,000.

Ont., Toronto—S. M. Bride, mayor, City Hall, sewers in Foreman Ave., Sects. A-B and B-C, to L. P. Acri, 28 Grove St., $15,804; Harrison St. and 3 lanes, to P. Corradi, 19 Hocken Ave., $5,307; Yonge St. Sect. B-C, to Natl. Contg. Co., 52 Imperial St., $7,671; Yonge St., Sect. C-D, to Ruscica Bros., 84 Woodycrest Ave., $15,290; Commissioners and Elm Sts., Sect. A-B, to Worthington Constr. Co., Roselawn Ave., $22,603; Lane 2nd north of Danforth Ave., to J. Fornica, 2147 Dufferin St., $575; Kew Beach Crescent and Bouchette St., to owners by day labor, $12,882. Grand total $80,132. Noted May 10.

Ont., Toronto—Scarborough Twp., sewage disposal plant, sluice valves, Contr. B, to Laurie & Lamb, 42 St. Sacrament St., Montreal, Que., gate valves, Contr. B, to Drummond McCall & Co., 373 Front St. E.; c.i. pipe and fittings, Contr. C, to Dominion Wheel & Foundries, 131 Eastern Ave. Est. $50,000.

Waste Disposal

Proposed Work

N. J., Teaneck (mail West Englewood)—Twp. Com., Municipal Bldg., preliminary plans incinerator. $125,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, engr.

Bridges

Proposed Work

Vermont—State Hy. Bd., Montpelier, rejected bids Aug. 31, bridges in Ludlow, Orchard Hill, Mt. Holly and Smithville; received no bids bridge in West Burke. S. B. Bates, engr.

Mass., Boston—City, Dpt. P. Wks., six 60 ft. girder span steel, concrete draw bridge, 125 ft., on Congress St. $800,000. J. E. Cartv, City Hall, engr.

Ind., Hammond—Comrs. Lake Co. expending $965,000, rein.-con. arch bridge on Dickey Rd., East Chicago, $475,000—small bridges in county, $120,000—roads, $370,000. C. K. Wallace, Hammond, engr.

Ind., Richmond—Comrs. Wayne Co., rein.-con. arch bridge over Whitewater River, on South G St. $320,000. G. Gault, Richmond, engr.

California—See "Railways."

Bids Desired

R. I., Pawtucket—Sept. 17, by City, Eng. Dpt., City Hall, 210 ft. rein.-con., granite bridge, Exchange St. $250,000. F. C. Williams, City Hall, engr.

N. J., Trenton—Sept. 18, by Bd. Freeholders Mercer Co., 2 concrete bridges, culvert at Glenmore and Marshall Corner, Hopewell Rd., $81,000. H. F. Harrs, Trenton, co. engr.

W. Va., Charleston — See "Streets and Roads."

South Carolina — Sept. 25, by State Hy. Dpt., Columbia, 7,250 lin.ft. treated timber bridge over South Edisto River, on Route 24, Project 589-D, Orangeburg and Bamberg Counties—228 lin.ft. steel bridge over Southern R.R., Route 2, Project 682-A, Lexington Co.—structural steel bridge over Saluda River, on Route 391, Project 706, Newberry and Saluda Counties. B. M. Sawyer, ch. engr.

Kentucky—Sept. 28, by State Hy. Dpt., Frankfort, three 140 ft. steel spans, concrete piers, abutments, grading approaches bridge over Cumberland River at Blackmont, S. P. 205 A-B, Bell Co.—three 38 ft. deck girders and 30 degree skew bridges at Paris, S. P. 32 A-B, Bourbon Co.—three 45 ft. girders and 30 degrees skew bridges, on Bloomfield-High Grove Rd., S. P. 44 A-B, Nelson Co.—three 45 ft. deck girders over Grears Creek, S. P. 20 A-B, Woodford Co. J. S. Watkins, hy. engr.

O., Youngstown — Oct. 5, at office F. A. LaBelle, secy. Bd. Dirs. Mahoning Valley Sanitary Dist., 901 City Bank Bldg., Ohltown Viaduct and approaches. W. H. Dittoe, ch. engr.; adv. E. N.-R. Sept. 13.

Wisconsin—See "Streets and Roads."

Iowa — Sept. 18, by State Hy. Comm., Ames, 16 x 20 ft. high truss bridge on U. S. Road 161, near Filmore, F.A.B. 17, Dubuque Co.—150 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approaches, 2 box culverts Primary Road 17, near Estherville, B-301, Emmet Co.—adding two 40 x 18 ft. I-beam approaches to skew pony truss bridge, U. S. Road 34, near Lucus, B-550, Lucus Co.—25 culverts Martinsburg-Sigourney Rd., B-246, and 3 culverts, Richland Rd., B-547, Keokuk Co.—1 twin box culvert near Washington, B-544, Washington Co. R. F. White, hy. comr.

Kan., Larned—Sept. 27, by Clerk Pawnee Co., ten 45 ft. span deck girder bridge, 1 mi. south of here. $25,000 or more. LeRoy Harris, Larned, engr.

Mo., St. Louis—Oct. 9, by Bd. P. Serv., City Hall, timber deck and railroad tracks for southern approach to St. Louis Municipal Bridge. $175,000. C. E. Smith & Co., Ry. Exch. Bldg., engrs.

Texas—Sept. 18, by G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridges on Hy. 6, Ellis Co. $25,000. W. A. Spalding, Waxahachie, resident engr.

Okla., Oklahoma City—Sept. 18, by J. W. Berry, clk. Oklahoma Co., 3 rein.-con. bridges, one 4 span 66 ft., incl. 21.4 tons I-beam and 13.2 tons reinforcing steel, at Arcadia, $26,200—one 5 span 82 ft., incl. 17.7 tons I-beam and 21.6 tons reinforcing at Jones, $28,000—other 6 span, 96 ft., incl. 28.5 tons I-beam and 26.4 tons reinforcing at Bethany, $30,000. R. S. James, Court House, engr.

New Mexico—See "Streets and Roads."

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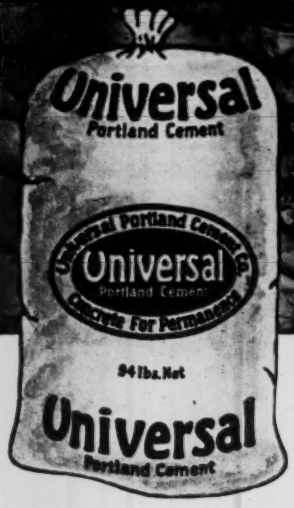

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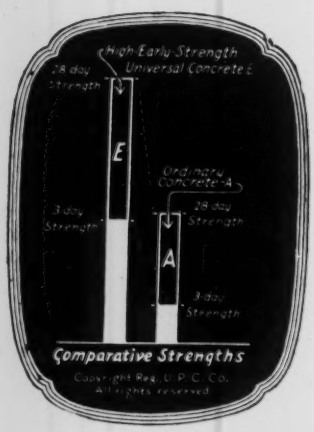

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Bridges—(Continued)

Contracts Awarded

Vermont—See "Streets and Roads."

Vermont—State Hy. Bd., State House, Montpelier, bridge and approaches in Stockbridge, to C. I. Hosmer, Greenfield, Mass., $50,402. Noted Aug. 16.

Massachusetts—See "Streets and Roads."

Mass., Boston—Dpt. P. Wks., widening Ashland St. Bridge, to A. G. Tomasello & Son, Inc., 250 Stuart St., $25,801. Noted Aug. 16.

New Jersey—State Hy. Comn., Trenton, bridge over Cape Island Creek, Cape May Co., to Whittaker & Diehl, Union Trust Bldg., Harrisburg, Pa., $126,982. Noted Sept. 6.

New Jersey—Somerset Co., Court House, Somerville, bridge from Basking Ridge to Millington, to H. E. Terrill, Somerville, $33,742. Noted Aug. 23.

Kentucky — State Hy. Dpt., Frankfort, concrete substructure bridge on Hazard Rd., Breathitt Co., to E. R. Mills, Covington, $28,182; steel superstructure, to Vincennes Bridge Co., Vincennes, Ind., $26,704.

Ohio—H. J. Kirk, dir. Hys., Columbus, rein.-con. bridge in Ashland Co., to Funk & Kyler, Jeromeville, $4,726—in Highland Co., and concrete slab bridge Champaign Co., to Clark Bros. & Co., Inc., Maysville, $11,902 and $15,454 respectively—6 span concrete bridge Mahoning Co., to C. Shutrump Co., Home Savings & Loan Bldg., Youngstown, $74,485—concrete bridge Van Wert Co., to B. H. Wertz, St. Johns, $3,871—standard slab bridge Paulding Co., to F. Bunting & O. Casebere, Montpelier, $7,997—steel girder, concrete slab bridge Erie Co., to Homberger-Wager Eng. & Constr. Co., Sandusky, $15,190—twin slab bridge Madison Co., to L. H. Nixon, Columbus, $12,986—twin span concrete bridge, approaches Crawford Co., to C. C. Morrow, Cresline, $9,227—standard girder bridge Defiance Co., to W. S. Hostler, Mt. Blanchard, $15,979—extension to Williams St. Bridge over Olentangy River, Delaware Co., to E. M. Scully, Columbus, $14,230. Grand total $186,047. Noted Aug. 23.

Ohio—H. J. Kirk, dir. Hys., Columbus, 3 span concrete bridge Wayne Co., to Holmes Constr. Co., Wooster, $23,863—bridge over Kilbuck Creek, to J. Hill, Ada, $14,994—steel truss bridge Huron Co., to Allen County Paving Co., Lima, $20,760—bridge over Boke's Creek, to Brookville Bridge Co., Brookville, $20,333—steel truss bridge, Henry Co., to Gluss Bros., Hamler, $23,738. Grand total $103,688. Noted Aug. 23.

Ind., Indianapolis—For 5 span rein.-con. arch bridge over White River, on West Morris St., to Natl. Concrete Co., Lemcke Bldg., $398,000.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Ogle Co., to F. Kanev, Forreston, $28,272—Lake and Cook Counties, to R. Mann, 2331 Charles St., Rockford, $52,651 and $29,440 respectively—Hancock Co., to H. C. Holmes, Macomb, $18,058—Shelby Co., to Casey Constr. Co., Casey, $31,403—Shelby Co., to Continental Bridge Co., 460 Monadnock Blk., Chicago, $8,269—Ogle Co., to Ferguson Constr. Co., 218 East State St., Rockford, $28,213—Livingston and Ford Counties, to Nelson Concrete Culvert Co., Pontiac, $11,824—Knox Co., to A. P. Munson, Marion, $11,014—Knox Co., to Clinton Bridge Wks., Clinton, Ia., $5,195—Stephenson Co., to O. G. Hively, 1435 South Carroll Ave., Freeport, $27,419—Stephenson Co., to Vincennes Bridge Co., Vincennes, Ind., $13,386. Grand total $299,272. Noted July 5.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield **(r.c.s.b. means rein.-con. bridge and r.c.s.b. means rein.-con. slab bridge)**, to M. C. Robinson, Girard, 3 rein.-con. culverts, 1 r.c.s.b. Cass Co. $10,964—to H. L. Roberts, Rushville, 2 rein.-con. box culverts, 1 r.c.s.b., 2 r.c.g.b. 1 rein.-con. substructure, Morgan Co. $71,294—to Illinois Steel Bridge Co., Jacksonville, 80 ft. steel superstructure, Morgan Co. $5,226—to C. D. Stratton, Little York, 80 ft. steel superstructure, Henderson Co. $90,000—to J. S. Wolf, Libertyville, 20 ft. r.c.s.b. Hancock Co. $7,243; 16 ft. r.c.s. span, 2 rein.-con. substructures McLean Co. $13,468, 3 rein.-con. spans, Iroquois Co. $15,541—to Vincennes Bridge Co., Vincennes, Ind., one 70 ft. and one 80 ft. steel superstructures, McLean Co. $8,663; one 60 ft. and one 80 ft. steel superstructures, Pike Co. $8,190—to S. J. Groves & Sons, Milwaukee, Wis., 5 rein.-con. box culverts, 17 ft. r.c.s.b., two 35 ft. r.c.g.b., McHenry Co. $24,127—to Taylor Constr. Co., Hubbard Woods, three 35 ft. r.c.g.b., and 2 rein.-con. box culverts, Lake Co. $22,802—to Marshall Eng. Corp., Chicago, structural steel overhead railroad bridge, Cook Co. $33,097—to H. C. Holmes, Macomb, 60 ft. r.c.g.b. and one 16 ft. r.c.s.b. Henry Co. $16,843; 2 rein.-con. box culverts, 45 ft. r.c.g.b., one 60 ft. and one 80 ft. rein.-con. substructures, Pike Co. $24,617—to W. H. Shons Co., Freeport, three 20 ft. steel bridge on pilings, Johnson Co. $3,246—to Herrick Constr. Co., Carlinville, two 120 ft. span rein.-con. substructure, McLean Co. $9,390—to Continental Bridge Co., 460 Monadnock Blk., Chicago, two 120 ft. span steel superstructure, McLean Co. $14,710—to Zimmerly Bridge Co., Paris, creosoted wood sidewalk for bridge, Vermilion Co. $1,769. Grand total $300,190. Noted Aug. 22.

Wis., Milwaukee — See "Streets and Roads."

Kan., Eldorado—See "Streets and Roads."

Oregon—State Hy. Comn., Salem, bridge over Deschutes River and railroad tracks, Wasco Co., to Kuckenberger & Whitman, Bd. of Trade Bldg., Portland, $94,860.

Dams

Proposed Work

Okla., Loveland—See "Waterworks."

Railways

Proposed Work

Alabama—Birmingham, Selma & Mobile R.R. Co., W. B. Coates, pres., Montgomery, extending 10 mi. main line and 22 mi. branch line in Perry and Hale Counties.

Oklahoma—Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, ch. engr., Chicago, Ill., preliminary plans 3 mi. railroad extension between Bison and Waukomis. $75,000.

Oregon—Edward Hines Lumber Co., 2431 South Lincoln St., Chicago, Ill., surveys 65 mi. railroad from Burns to Molher Forest Reserve.

California—Southern Pacific R.R. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, 6.1 mi. railroad from point on existing line at Martinez to Goodyear, also bridge over Suisun Bay to Army Point.

Bids Desired

Missouri—See "Bridges under St. Louis."

Contracts Awarded

Missouri—Kansas City Southern Ry. Co., A. N. Reese, ch. engr., 11th and Wyandotte Sts., Kansas City, grading for railroad line between Leeds and Grandview, incl. 350,000 cu.yd. solid rock, 529,000 cu.yd. common, 133,000 cu.yd. borrow and 200,000 cu.yd. earth excav., 2,440,000 lb. steel, 30,550 ft. waterproofing, to List Constr. Co., Ry. Exch. Bldg., Kansas City. Noted Aug. 30 under "Contracts Awarded."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

D. C., Wash.—English Constr. Co., Inc., Wash., wants prices excavation on large foundation concrete job; adv. E. N.-R. Sept. 13.

N. J., Bradley Beach—Bd. City Comrs., Jetties on beachfront. $30,000. N. Rogers, Asbury Park, engr.

Texas—Foard, Cottle, Hardeman and Wilbarger Counties and Federal Government, surveys reservoir on 10,000 acre site 5,600 ft. impounding dam, 110 ft. high, 2 mi. from Quanah-Crowekk Hy., involving 150,000 acres land in irrigation project. $5,000,000. Address J. B. Nabors, Vernon, resident engr. Wilbarger Co.

Bids Desired

Mo., Kahoka—Sept. 17, by Des Moines and Mississippi Levee Dist. 1, Clark Co., at office W. E. Bates, secy., Seggelke Store, Alexandria, 381,700 cu.yd. ditches, levees, 5 x 7 x 161 ft., rein.-con. sluiceway, one 2 x 2 x 150 ft. and two 5 x 5 x 150 ft. rein.-con. inverted siphons, pumping plant, oil engine or electrically driven. Bushnell & McCann, Quincy, Ill., engrs.

Tex., Natalia — Oct. 1, at office P. A. Welty, dist. engr. and mgr. Bexar-Medina-Atascosa Counties Water Impvt. Dist. 1, excavating 400,000 cu.yd. canals, laterals, drains, ditches, dams, levees.

Que., Roberval — Sept. 19, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., reconstructing, extending breakwater. $29,000.

British Columbia — Sept. 20, by S. E. O'Brien, secy. Dpt. P. Wks., dredging Burnaby Shoal $25,000, Vancouver $20,000, First Narrows, $15,000.

Contracts Awarded

Mass., Barnstable—Dpt. P. Wks., Boston, dredging Seapuilt River, to Trimount Dredging Co., 10 State St., Boston, $19,860.

Mississippi—Pigeon Roost Creek D. D., c/o J. C. Tucker, Holly Springs, clearing 320 acres right-of-way, 771,100 cu.yd. excav., Marshall, Tate and Desoto Counties, to D. W. Robins, Tupelo. Noted July 19.

Ill., Colfax—Lawndale & Cropsey D. D. McClean Co., 14,217 ft. 6- to 22-in. tile in Sub-Dist. 3, to L. A. Moore, Mt. Pulaski; tile, to Streator Drain Tile Co., Streator.

Ia., Council Bluffs—Harrison Co. (Logan) and Pottawattamie Co. (Council Bluffs) 72,000 cu.yd. excav. in Coulthar Levee in Nobles Lake D. D., to Mills Constr. Co., Omaha, Neb.

Ia., Fairfield — Jefferson Co., 560,000 cu.yd. excav. in Cedar Creek D. D. 6, to Jack Boyne Constr. Co., Council Bluffs, $38,600.

Minn., Minneapolis — A. P. Erickson, aud. Hennepin Co., Judicial Ditch 6, 15,700 lin.ft. 12- to 24-in. tile, to Iowa Pipe & Tile Co., East 4th and Hayes Sts., Des Moines, Ia., $6,769; 95,300 lin.ft. 5- to 10-in. tile, to Mason City Brick & Tile Co., 554 Builders Exch., $4,608. Noted Aug. 16.

Streets and Roads

Bids Desired

Massachusetts—Sept. 18, by Dpt. P. Wks., Boston, graveling, oiling 3,800 ft. hy. in Westford; bituminous macadam paving 38-373 ft. in Clarksburg, Florida, North Adams and Beverly. W. F. Williams, comr.

N. Y., Brooklyn — Sept. 19, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, sheet asphalt on 6 in. concrete paving Brooklyn and Irving Aves., Bristol, East 35th, East 42nd, Ford, Eldert, West 22nd and 41st Sts.—grading, curbing, flagging East 35th St.—recurbing, asphalt on 6 in. concrete paving Avenue T.

N. Y., Long Island City—Sept. 19, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading, sidewalks on 19th St. from 89th to 90th Sts.—199th St. from 93rd St. to Jamaica Ave.—Queens Blvd. from 30th Pl. to 48th St.—Queens Blvd. from Van Dam St. to 39th Pl.—grading, granite block on concrete paving 44th Rd. (13th St.)—grading, sheet asphalt on concrete paving Cooper Terrace and Cypress Hills Rd.—69th (Fisk) Ave., Graham, 90th and Hillside Aves., 105th, 133rd and 97th Sts.

N. Y., Long Island City—Sept. 20, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading, sheet asphalt on 8 in. concrete repaving Northern Blvd. from 157th St. to Auburndale Lane—Northern Blvd. from Auburndale Lane to 206th St.—and Northern Blvd. from 206th St. to 220th St.—sidewalks on 162nd St.—sheet asphalt on concrete paving Central (Westchester) Ave.

N. Y., Rye—Sept. 19, by W. H. Selzer, village clk., Municipal Hall, Purchase St., rein.-con. paving Redfield St., Forest, Beck and Stuyvesant Aves.; tar or asphaltic macadam paving Hewlett St. and Newberry Pl. J. A. Ehler, village engr.; adv. E. N.-R. Sept. 13. Noted Aug. 23.

N. Y., Rye — Sept. 19, at office Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, stone faced rein.-con. bridge, on Boston Post Rd., Cross Country Parkway. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Sept. 13.

New Jersey — Sept. 24, by State Hy. Comn., Trenton, grading, 9 in. single line rein.-con. paving 49,516 sq.yd. Route 29 (1927), Sect. 2, Union Co.; 30,315 sq.yd. Route 35 (1927), Sect. 7, Monmouth Co. A. L. Grover, ch. engr.; adv. E. N.-R. Sept. 13.

Pa., Carmichaels — Sept. 15, by Bd. Supervs. Cumberland Twp., Greene Co., William Burnette Bldg., grading, 2.5 in. bituminous paving public highway between Bayard Ave. in Rices Landing to point near office Crucible Fuel Co.

Md., Baltimore—Sept. 19, by Bd. Awards, concrete paving 12,750 sq.yd. alleys in Alley Contr. 130; sheet asphalt paving 12,900 sq. yd. Contr. 484. N. D. Smith, hy. engr.

West Virginia—Sept. 17, by State Road Comn. and Putnam Co. at Court House, Winfield, grading 4.63 mi. Hurricane-Mount Vernon Rd., Project 3311. H. J. Spelman, P. & R. Bldg., Huntington, div. engr.

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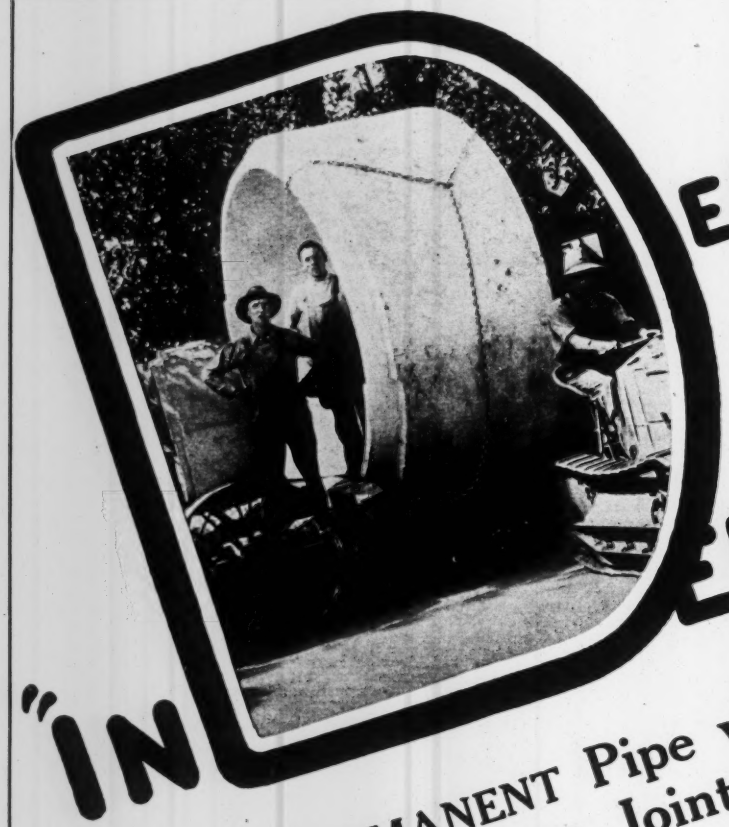

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Streets and Roads (Continued)

West Virginia—Sept. 25, by State Road Comn., Charleston, E. B. Carskadon, secy., brick or concrete paving 3.4 mi. Weirton-Pennsylvania State Line Rd., Project 167, Hancock Co. H. E. Snyder, Parkersburg, div. engr.

W. Va., Charleston—Sept. 25, by Kanawha Co., Court House, concrete paving 3 mi. Dunbar-Sattes Rd., Project 138—1.1 mi. Tuppers Creek Rd., Project 217—concrete substructure Allens Fork Bridge over left fork of Poca River Project 108. C. M. Ross, Court House, co. road engr.

W. Va., Wheeling — Sept. 19, by Bd. Comrs. Ohio Co., grading, rein.-con. paving 4,000 lin.ft. Wheeling, West Liberty and Bethany Pike. T. C. Stenenson, clk.

South Carolina — Sept. 25, by State Hy. Dpt., Columbia, grading, plain concrete paving 9.398 mi. Project 571, Aiken Co.—10.69 mi. Project 655, Contr. 2, Greenville Co.—8.47 mi. Project 708, Marion Co.—9.24 mi. Project 668-B, Anderson Co.—sand clay surfacing 7.492 mi. Project 574-B and C, Colleton Co.—top-soiling 6.439 mi. Project 703-A, Saluda Co. B. M. Sawyer, ch. engr.

Fla., Gainesville—Sept. 25, at office Bd. Bond Trustees Special Road & Bridge Dist. 1, Court House, grading, guttering, single surface treatment on 8 in. compacted line paving 150,000 sq.yd. W. R. Thomas, chn.

Kentucky—Sept. 28, by State Hy. Dpt., Frankfort, grading 15.5 mi. Lawrenceburg-Bardstown Rd, S. P. 44-A-G, Anderson Co.—7 mi. Murray-Tennessee State line Rd., S. P. 9-C-G, Calloway Co.—5 mi. Liberty-Campbellsville Rd., S. P. 154-B-G, Casey Co.—3 mi. Greensburg-Edmonton Rd., S. P. 1-A-G, Green Co.—6.3 mi. Henderson-Owensboro Rd., S. P. 8-D-G, Henderson Co.—12.7 mi. Gratz-North Pleasureville Rd., S. P. 19-C-G, Henry Co.—2.9 mi. Natural Bridge Rd., S. P. 188-A-G, Powell Co.—reconstructing 2.3 mi. Lawrenceburg Ashbrook-Springfield Rd., S. P. 152-A-S, Anderson Co., 4.9 mi. Mt. Olivet-Sardis Rd., S. P. 172-A-S, Robertson Co.—4 mi. Falmouth-Brooksville Rd., S. P. 101-A-S, Pendleton Co.—grading, bridging, surfacing approaches 1.06 mi. Liberty-Campbellsville Rd., S. P. 154-A-S, Casey Co.—grading, surfacing 5.2 mi. Stanford-Huntonville Rd., S. P. 23-C-S, Lincoln Co.—surfacing 8.8 mi. New Castle-Frankfort Rd., S. P. 64½-A-S, Henry and Shelby Counties—11 mi. Morganfield-Shawneetown Rd., S. P. 75-A-S, Union Co.—6.4 mi. Clay-Providence Rd., S. P. 124-A-S, Webster Co—2.1 mi. Franfort-Newcastle Rd., S. P. 64½-A-S, Franklin Co. J. S. Watkins, hy. engr.

Ind., Crown Point—Sept. 24, by Comrs. Lake Co., concrete paving H. B. Snyder Rd. 1 in Calumet Twp. W. E. Whitaker, Crown Point, aud.

Ind., Indianapolis—Sept. 17, by Bd. P. Wks., alternate types paving Hovey St., Arlington and Hoyt Aves., also bridge over canal, on 11th St.

Ind., Indianapolis—Sept. 19, by Bd. P. Wks., alternate types paving Sheldon and East Sts., Jefferson and Arlington Aves.

Michigan—Sept. 25, by E. R. Benkert, resident engr., Pt. Huron, graveling 5.064 mi. MO32-34, C-1, 16 ft., Huron Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 25, by Village of Plainwell, widening 2.469 mi. MO3-19, C-1, 20 ft., Allegan Co., for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, resident engr.

Michigan—Sept. 26, by R. W. Roberts, resident engr., Saginaw, concrete paving 3.907 mi. MO73-12, C-1, 20 ft., Saginaw Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 26, at City Clerk's Office, Saginaw, concrete paving 2.757 mi. MO73-6, C-1, 20 and 40 ft., Saginaw Co., for State Hy. Dpt., Lansing. R. W. Roberts, Saginaw, resident engr.

Michigan—Sept. 26, by A. R. Schaefer, resident engr., Newberry, concrete paving 5.232 mi. MO2-14, C-1, 20 ft., Alger Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 27, at Village Clerks Office, Davison, concrete paving 4.93 mi. FO25-16, C-2, and widening 1.001 mi. MO25-16, C-3, 20 and 40 ft., Genesee Co., for State Hy. Dpt., Lansing.

Michigan—Sept. 28, by R. A. Beers, resident engr., Kalamazoo, concrete or sheet asphalt paving 3.632 mi. MO11-28, C-1, 40 ft., Berrien Co., for State Hy. Dpt., Lansing.

Wisconsin — Sept. 18, by State and St. Croix, Clark and Eau Claire Co. Hy. Comns., 213 South Barstow St., Eau Claire, grading 49,200 cu.yd. State Aid Project 6993, St. Croix Co.—17,500 cu.yd. State Aid Project 6676, Clark Co.—concrete paving 3,200 sq.yd. Federal Aid Project 395-D, Eau Claire Co. W. F. Baumgartner, div. engr.

Wisconsin—Sept. 19, by State and Dodge Co. Hy. Comrs., Madison, grading 19,000 cu.yd. and constructing Beaver Dam Bridge on Federal Aid Project 444-E. A. L. Hambrecht, div. engr.

Iowa — Sept. 18, by State Hy. Comn., Ames, grading, paving 115,300 sq.yd. Road 61, F-304, Dubuque Co.—162,827 sq.yd. Primary Road 10, F-59, Fayette Co.—15,234 sq.yd. Primary Road 79, F-222, Van Buren Co.—108,463 sq.yd. U. S. Road 65, Warren Co.—9,555 sq.yd. Primary Road 2, P-544, and 89,330 sq.yd. Primary Road 2, P-602, both Washington Co. — grading 4,500 cu.yd. Primary Road 11, P-501, Denton Co. R. F. White, hy. comr.

Kan., Smith Center—Sept. 21, by Clerk Smith Co., grading, bridging 5.061 mi. Federal Aid Project 364-C and D, 30 ft. R. D. Hutchins, Court House, engr. Noted July 19.

North Dakota — Sept. 27, by State Hy. Comn., Bismarck, grading 82,536 cu.yd. Federal Aid Project 355-A, Cass Co.; graveling 6.13 mi. Federal Aid Project 246-B, Grand Forks Co. H. C. Frahm, state hy. engr.

Mo., Clayton—Sept. 19, by St. Louis Co., grading, 7 in. rein.-con. paving 28,000 sq.yd. Clayton Rd.—grading, 720 squares macadam paving Sinks Rd.—826 squares macadam paving Vehle Rd. R. Jablonsky, Court House, engr.

Mo., Independence—Sept. 18, by Jackson Co., asphalt paving 39,289 sq.yd. Blue Springs Rd.—concrete paving 12,712 sq.yd. Winner Rd.—38,230 sq.yd. Raytown Rd. and U. S. Hy. 40. Stayton & Veatch, 508 Interstate Bldg., Kansas City, engrs. L. E. Koehler, hy. engr.

Mo., St. Louis—See "Bridges."

Mo., Sikeston—Sept. 17, by P. H. Stevenson, city clk., grading, curbing, concrete paving 9,408 sq.yd. South Kingshighway. $30,000. W. A. Fuller Co., 1912 Ry. Exch. Bldg., St. Louis, engrs. Noted Aug. 30.

Ark., Brinkley—Sept. 20, grading, 2 in. warrenite on 5 in. concrete or 6 in. and 8 in. clay surfacing 72,500 sq.yd. Impvt. Dist. 1. Lund Eng. Co., 527 Home Insurance Bldg., Little Rock, engrs.

Texas—Sept. 18, by G. Gilchrist, state hy. engr., Austin, grading, drainage structures, bridging, disintegrated limestone, gravel, bituminous macadam on crushed stone, bituminous macadam on Caliche and crushed rock bond, pea gravel on gravel surfacing 192.012 mi. hys. in Cass, El Paso, Wilbarger, Shackelford, Fayette, Fort Bend, Starr, Henderson, Nueces, Walker, Zavalla, Jim Wells, Ellis Bee and Throckmorton Counties. $2,183,400.

Tex., Houston—Sept. 20, by Harris Co., concrete paving 7,000 lin.ft. Market St. Rd. $75,000. A. J. Wise, Courthouse, engr.

Tex., Raymondville—Sept. 22, by Willacy Co. Road Dist. 2, c/o A. B. Crane, judge, grading, Bates type concrete, two course limestone rock asphalt on concrete paving 20 mi. roads in Dist. 2. J. E. Johnson, Raymondville, engr.

Tex., San Antonio—Terrell Hills Co., c/o W. Kelley, 149 East Mulberry St., taking bids paving streets in 200 acre sub-division. $75,000. Hare & Hare, Huntzinger Bldg., Kansas City, Mo., engrs.

Okla., Oklahoma City—Sept. 18, by J. W. Berry, clk. Oklahoma Co., grading, concrete paving 14,100 sq.yd. Road 11. $26,000. R. S. James, Court House, co. engr.

New Mexico—Sept. 19, at office W. C. Davidson, hy. engr., Capitol Bldg., Santa Fe, **(F.A.P. means Federal Aid Project)**, constructing 10.055 mi. F.A.P. 127-A, Quay Co.—5.132 mi. F.A.P. 143-B, Dona Ana Co.—4.322 mi. F.A.P. 148-C, Sierra Co.—3.957 mi. F.A.P. 169-A, Luna Co.—also Blanco Bridge over San Juan River, Blanco, San Juan Co.—Gallup-Zuni Bridge, on Gallup-Zuni Rd., McKinley Co., for State Hy. Comn., Santa Fe.

California—Sept. 19, by State Hy. Dpt., Sacramento, grading, asphaltic concrete paving 0.7 mi. Kings Co. C. H. Purcell, state hy. engr.

California—Sept. 26, by State Hy. Dpt., Sacramento, grading 3.9 mi. road between Guatay Creek and Pine Valley, San Diego Co.—grading, asphaltis concrete paving 8.9 mi. road betwen Wasco and Famosa, Kern Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Calif., Los Angeles — Sept. 24, by Bd. Supervs. Los Angeles Co., grading, 9-7-7-9 in. concrete paving 897,319 sq.ft. Atlantic Ave., $257,818; curbing, guttering, sidewalks, concrete paving 84,434 sq.ft. Industrial Ave., $33,671. G. Jones, 1110 Hall of Records, engr.

Calif., San Diego—Sept. 24, by Common Council, grading, sidewalks, 2 in. asphaltic concrete on 6 in. concrete paving 287,492 sq.ft. Cass and other streets. H. W. Jorgensen, city engr.

Bids Received

Wash., Seattle — Bd. P. Wks., Sept. 7, paving 6th Ave., et al., from George Nelson & Co., 231 Summit Ave., $1,516,974.

Contracts Awarded

Me., Portland — Split redressed granite block paving 5,500 sq.yd. and rein.-con. paving 400 sq.yd. Ocean St., to Monitor Constr. Co., Portland. $32,970.

Vermont — State Hy. Dpt., Montpelier, concrete paving hy. in St. Johnsbury, to Arborio Road Constr. Co., Inc., 525 Main St., Hartford, Conn., $65,752—graveling hy. in Richford, to D. S. McGrath, Inc., Adams, $45,512—Echo Lake Bridge, Plymouth, to Caughy & Pratt Co., Antrim, N. H., $16,049. Grand total $127,673.

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 4,800 ft. hy. in Dartmouth, to Hudson Constr. Co., Grosvenor Bldg., Providence, R. I., $28,559—2,000 ft. Saugus, to T. T. McCarthy, Revere, $15,892—19,949 ft. Ashburnham, to R. H. Newell Co., Uxbridge, $153,138—1,205 ft. and bituminous concrete surfacing 5 ft. bridge in Wilmington, to G. Rotundi & Son, Melrose, $10,309—gravel and bituminous macadam paving 2,100 ft. Millville, to H. Goulet, Blackstone, $8,780—3,050 ft. Petersham, to C. P. Kibbie, Inc., Springfield, $11,724. Grand total $228,402.

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 25,474 ft. hy. in Athol, Phillipston and Templeton, to G. Rosse & Son, Leominster, $178,973—5,600 ft. Needham, to E. L. Miskele, Belmont, $41,991—5,000 ft. Peabody, to T. F. McCarthy, Revere, $20,117—3,300 ft. Andover, to T. J. McCue, 264 North Beacon St., Watertown, $13,089—steel truss bridge, bituminous macadam paving 8,936 ft. hy. in Northampton and Easthampton, to Gleason Bros., 7 Pearl St., Northampton, $155,984—graveling, bituminous macadam paving 5,600 ft. Carlisle, to A. Pallotto, Bridge St., Dracut, $13,435—1,160 ft. West Boylston, to Guaranty Constr. Co., Shirley, $7,063—3,200 ft. Phillipston, to Perini & Ampolini, Plainville, $21,029 — 5,200 ft. Groton, to G. H. Pierce, Groton, $12,133—grading 6,900 ft. Sutton, to J. DeVries, Uxbridge, $25,018—repairing bridge Newton and Weston, to H. F. Herson, Auburndale, $1,695. Grand total $490,527. Noted Aug. 9 and 16.

Mass., New Bedford—Street Dpt., W. P. Hammersley, supt. Streets, bitulithic concrete paving 22,487 sq.ft., to Warren Bros. Co., 38 Charles River Rd., Cambridge. Est. exceeds $25,000. Noted Aug. 2.

Conn., Hartford—Bd. Constr. & Supply, sheet asphalt on concrete paving 13,925 sq. yd. Westbourne Parkway and Ridgefield St., to W. E. Balf Co., 14 Haynes St., $29,185.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Crown St. $10,861; Linder Blvd. $52,807; 30 ft. strip along Jamaica Bay, Canarsie, $14,173—to B. Turecamo Contg. Co., New Cropsey Lane, Avenue M, $7,418—to M. J. Grant, 215 Montague St., granite block paving Grand Ave., $34,481. Grand total $119,740. Noted Sept. 6.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to G. M. Mandatto, 201 Neck Rd., grading East 9th St. $3,602—to Red Line Trucking Co., 54 13th St., grading Linden Blvd. $168,703—to D. J. McCoy Asphalt Corp., Avenue U and East 57th St., sheet asphalt paving East 40th St. $3,709; East 98th St. $20,173; Prospect Park West $21,665; West 5th St. $14,403 — to B. Turecamo Contg. Co., New Cropsey Lane, West 5th St. $3,802; center of Stillwell Ave. $85,317 — to Haupert & Specht, granite block paving Flushing Ave. $24,114; West 9th St. $37,707—to W. J. McHale Contg. Co., 1250 Jefferson Ave., bituminous macadam paving Avenue L, $7,303. Grand total $390,498. Noted Aug. 16.

N. Y., Irondequoit — Town Bd. Town Headquarters, 1340 Ridge Rd. E., 2 in. asphalt on 6 in. concrete paving 6,000 sq.yd. Long Acre Rd., to Rochester Willite Co., Exchange Pl., Bldg., Rochester, $39,825. Noted Aug. 9.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., asphalt block on concrete paving East 150th St., to L. DiMinna, 2366 Lorillard Pl., $39,256. Noted July 19.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sidewalks on 8th Ave., to F. Mascali, 2550 Colden Ave., $137,200—sheet asphalt paving Park Ave., to Remo Eng. Co., 645 East Tremont Ave., $370,218—granite block paving Walker St., to E. T. Barry, $38,285—9th Ave., to Asphalt Constr. Co., 2197 Madison Ave., $74,600. Grand total $620,303. Noted Aug. 2.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading Payson Ave., to T. Di Roma, 33 Evelyn Pl., $27,895—granite block paving 110th St., and sheet asphalt paving 5th Ave., to Asphalt Constr. Co., 2197 Madison Ave., $24,462 and $46,222 respectively—8th Ave.,

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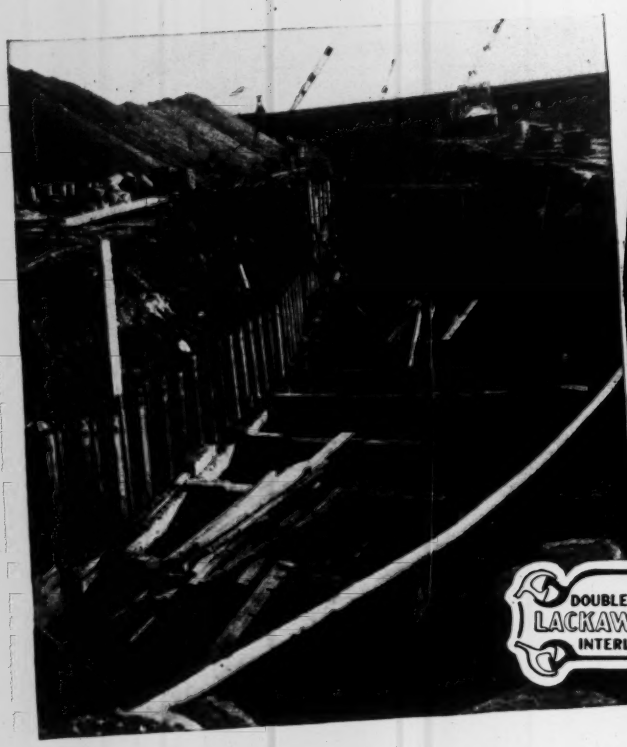

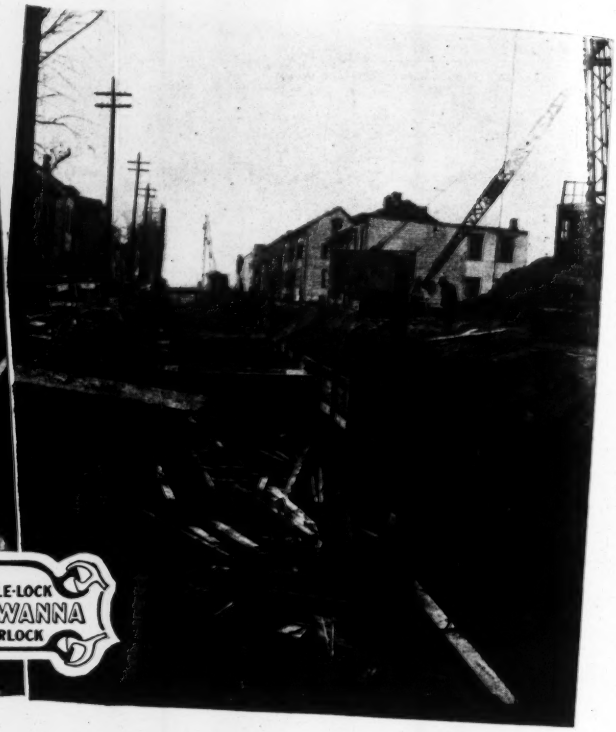

Completed sewer ready for back-fill.

Henry W. Horst Company, Contractors, Rock Island, Ill.

Preparing to drive Steel Sheet Piling at head of job

This piling helped speed up construction

The rapid construction of Sections 4 and 5 of the Upper Delaware Collecting Sewer, Philadelphia, Pa., presents another example of the advantages of Lackawanna Steel Sheet Piling.

On this job, Lackawanna 14" x 3/8" Arched-Web Piling was used. The rapidity with which the piling was driven and pulled, and the efficient methods devised by the contractors made it easy to keep the excavation in the sheeted trench ahead of the sewer construction.

The compact section and large interlocks of Lackawanna 14" x 3/8" Arched-Web Piling particularly adapt it to rapid, repeated driving and pulling.

Bethlehem Piling Engineers will gladly supply detailed information about Lackawanna Piling Sections and discuss the application of Lackawanna Piling to any project.

BETHLEHEM STEEL COMPANY, *General Offices:* BETHLEHEM, PA.

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Manufacturer of

LACKAWANNA STEEL SHEET PILING

Streets and Roads (Continued)

to Meehan Paving Co., 90 West St., $113,-634—5th Ave., to C. D. Beckwith, Seneca Ave. and Edgewater Rd., $151,630—asphalt block paving Fort Washington Ave., to Regan Towers Co., 124 West 121st St., $67,-678. Grand total $431,521. Noted Sept. 6.

N. Y., New York—Park Bd., W. R. Herrick, pres. Dpt. Parks, Arsenal Bldg., Central Park, repairing asphalt and concrete walks in Central Park, to Valatia Constr. Co., 15 East 40th St., $57,500. Noted Aug. 23.

N. Y., Ossining—L. H. Acker, village clk., Municipal Bldg. improving Emwilton Pl. and Wolden Rd., to Melrose Constr. Co., Inc., 103 East 125th St., New York, $45,-349. Noted July 26.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Richmond Rd., to J. J. O'Rourke, Inc., 238 Gordon St., $109,510; granite block repaving Manor Rd., to J. Johnson's Sons, 455 Bway., West New Brighton, $3,670. Noted Aug. 30.

N. Y., Syracuse — Bd. Contr. & Supply, City Hall, to Rago Bros., Union Bldg., paving West Newell St. $16,576; West Colvin St. $13,625; Robinean Rd. $8,983; Elmhurst Ave. $24,303—to J. H. Gallup, Merhants Bank Bldg., Strathmore Dr. $23,-551; Oswego St. $24,957; 1st North St. $41,789. Grand total $153,704.

New Jersey—State Hy. Comn., Trenton, constructing 4.7 mi. Raritan River Bridge Approach, to Utility Constr. Co., 5 Spring St., New Brunswick, $466,866—paving trolley track in Dunellen, to H. F. Gilligan & Sons, Newark, $34,161—3.5 mi. Monmouth Co., to Jannarone Constr. Co., 225 Passaic St., Belleville, $143,725—3 mi. Camden Co., to A. Stryker, Inc., South Broad St., Trenton, $260,000—and Delancy St., Essex Co., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $13,704. Grand total $918,818. Noted Aug. 30 and Sept. 6.

N. J., Guttenburg — Bd. Town Council, Boro Hall, rein.-con. paving Palisade, Hudson and Belleville Aves., Adams, Jackson, Polk, Madison Sts., to Curtin Bros., 45 Madison Ave., $99,308. Noted Sept. 6.

N. J., Hillside (br. Elizabeth)—Twp. Comn., Municipal Bldg., sheet asphalt on 6 in. concrete paving Silver Ave., to Standard Bithulithic Co., foot Brill St., Newark, $25,770. Est. $28,000. Noted Sept. 6.

N. J., Hillside (br. Elizabeth) — Twp. Comn., Municipal Bldg., curbing, 7 in. rein.-con. paving Fairbanks and Looker Sts., to J. F. Chapman & Son, 1439 North Broad St., $32,746. Est. $35,000. Noted Aug. 30.

N. J., Lodi—Boro Council, Boro Hall, grading, paving, McKinley St., to Gerritsen Constr. Co., 40 Sidney St., $25,104; Kipp Ave., to LoProto Constr. Co., Inc., South Main St., Lodi, $40,784.

N. J., Union—Sheet asphalt on concrete paving 11th, 24th, 22nd, Peter and Cantello Sts., to Clinton Asphalt Co., 308 16th St., Union City, $80,121. Noted July 4.

Pennsylvania—State Hy. Comn., Harrisburg, bituminous treated macadam paving 25,731 sq.yd. Bucks Co., to G. I. Thompson Co., Clearfield, $48,673—rein.-con. paving 4,215 sq.yd. Lancaster Co., to Swanger-Fackler Constr. Co., Lancaster, $32,484—55,093 sq.yd. Chester Co., to Dalton Bros., Paoli, $286,356—18,041 sq.yd. Greene Co., to J. F. Stambaugh, Ada, O. $276,923—6,654 sq.yd. Bedford Co., to J. E. Penrod & Co., Johnstown, $42,881—12,500 sq.yd. Northumberland Co., to L. R. Mathieu, 1824 Union Ave., Altoona, $94,445—4,714 sq.yd. Lawrence Co., to Woods & Golder Constr. Co., 212 Mechanic St., New Castle, $20,345. Grand total $802,107. Noted July 26.

Pennsylvania—State Hy. Comn., Harrisburg, bituminous treated macadam paving 21,954 sq.yd. Franklin Co., to Bester-Long Co., Hagerstown, $43,129—rein.-con. paving 42,616 sq.yd. Lancaster Co., to Continental Constr. Co., Knickerbocker Bldg., Baltimore, Md., $143,446—20,557 sq.yd. Allegheny Co., to D. W. Challis & Sons, Inc., Sewickley, $90,749—44,311 sq.yd. Jefferson Co., to G. B. Walther, Inc., 1001 Lime Trust Bldg., Lima, O. $171,537—16,289 sq.yd. Montgomery Co., to Union Paving Co., 123 South 21st St., Phila., $65,571—7,841 sq.yd. Chester Co., to W. R. Wolfinger, Norristown, $48,821—2,775 sq.yd. Indiana Co., to A. F. Moreau, Indiana, $12,273—16,681 sq.yd. Schuylkill Co., to J. M. Eshleman, Landisville, $110,399—34,102 sq.yd. Perry Co., to J. S. Teeter, Taneytown, $167,432—12,908 sq.yd. Armstrong Co., to Rinehart Bros., East Liverpool, O. $57,054. Grand total $910,411. Noted July 12.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 1.719 mi. Project 227-F, Lebanon Co., to W. Grant Raub, Red Lion, $92,971—3.584 mi. Project 234-C, Westmoreland Co., to E. H. Canon, 4079 Jenkins Arcade Bldg., Pittsburgh, $183,-603—1.07 mi. Project 249-D, Somerset Co., to M. F. McCabe Co., Salisbury, $47,007. Grand total $322,801.

Pennsylvania—State Hy. Comn., Harrisburg, grading 27,501 cu.yd. Washington Co., to Irwin Nelan Co., Washington $64,878—concrete paving 27,400 sq.yd. McKean Co., to F. D. Ross, Bradford $112,994—22,700 sq.yd. Westmoreland Co., to Rankin Constr. Co., Uniontown $102,769—24,100 sq.yd. Venango Co., to Hagedorn Constr. Co. of West Virginia, Seward $81,380—30,000 sq.yd. Venango Co., to L. B. Metz Co., Erie $117,676—25,000 sq.yd. Indiana Co., to M. Bennett & Sons, Indiana $121,050—5,400 sq.yd. Lancaster Co., to Continental Constr. Co., Knickerbocker Bldg., Baltimore, Md. $26,904. Grand total $627,651. Notec Aug. 23.

North Carolina—State Hy. Dpt., Raleigh, to Porter Constr. Co., Dothan, Ala., grading, concrete paving 5.29 mi. Mecklenburg Co., $133,788; 8.71 mi. Gaston Co., $215,-019—to Powell Paving Co., Winston-Salem, 6.8 mi. Forsyth Co., $132,212—to Belote Constr. Co., Asheville, 8.41 mi. Catawba Co., $159,546—to Highway Eng. & Constr. Co., Selbyville, Del., 3.05 mi. Alamance Co., $63,351; grading, sand asphaltic paving 10 mi. Bladen Co., $129,762—to Ziegler Bros., Greensboro, concrete paving 9.34 mi. Craven Co., $190,811—to Roberts Paving Co., Salisbury, Md., 9.12 mi. Bertie Co., $179,-416—to R. G. Lassiter & Co., Citizen Bank Bldg., Raleigh, 18.3 mi. Duplin Co., $299,-311; 7.96 mi. Hertford Co., $149,235; grading, sand asphalt paving 5.95 mi. Cumberland Co., $77,806—to West Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., 13.57 mi. New Hanover Co., $191,752—to C. B. Hester, Greensboro, grading, topsoiling 4.96 mi. Orange Co., $36,560—to Welker Bros., Greensboro, 6.41 mi. Randolph Co., $26,830—to C. E. Hill & Son, Apex, 8.7 mi. Montgomery Co., $25,641—to Beal Bros., Bear Creek, 6.15 mi. Project 451, Lee Co., $29,561—to C. A. Ragland, Louisburg, grading, gravel surfacing 10.32 mi. Hertford Co., $39,000 — to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., grading 17.81 mi. Tyrrell Co., $123,041—to Calking Dredging Co., Inc., 100 Royster Bldg., Norfolk, Va., building roadway through deep swamp by hydraulic dredging New Hanover Co., $81,889. Grand total $2,284,531. Noted Aug. 23.

Georgia — tate Hy. Bd., East Point, Trinidad macadam surfacing 15.704 mi. hy. in Turner and Crisp Counties, to J. R. Cothran, Candler Bldg., Atlanta, $208,259.

Kentucky — State Hy. Dpt., Frankfort, rein.-con. surfacing 0.281 mi. roads in Carter Co., to F. M. Gearhart, Clive Hill, $9,448—crushed stone dumped on 9.186 mi. Crittenden Co., to Bradley Stevens Co., Beaver Dam, $21,250—traffic bound macadam paving 7.959 mi. Grayson Co., and 7.569 mi. Hardin Co., to Perkins, Darnell & Williams, Hodgenville, $32,285 and $22,666 respectively—19.047 mi. Jackson and Madison Counties, to Mason Constr. Co., West Point, $97,569—36.928 mi. Pendleton and Campbell Counties, to E. K. Newell & Co., Mayesville, $36,928—bituminous macadam surfacing 2.9 mi. Pendleton and Plymouth Counties, to G. Miller, Visalia, $76,945—grading 5.319 mi. Harlan Co. and 10.015 mi. Letcher Co., to H. H. Miller Constr. Co., Jackson, $184,851 and $145,613 respectively—3.667 mi. Meade Co., to Ellis, Kelly & Co., Owensboro, $17,186—6.268 mi. Monroe Co., to H. L. Johnson, Lewisport, $45,908—11.458 mi. Muhlenberg Co., to Corum Bros., Madisonville, $111,647. Grand total $802,-296. Noted Aug. 9 and 16.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, concrete paving 6.123 mi. Miami Co., to W. L. Johnson Co., Hicksville, $188,706—3.109 mi. Portage Co., to G. S. Mellert-Weidner Co., Medina, $72,375—5.922 mi. Pickaway Co., to Clements-Orr Co., Mt. Gilead, $159,136—bituminous macadam paving 0.5894 mi. Champaign Co., to G. W. Studebaker, Greenville, $26,287—1.402 mi. Seneca Co., to Lee Bros. & Petticors, Clyde, $30,055—2.99 mi. Franklin Co., to N. B. Putnam, Columbus, $142,010—4.312 mi. Franklin Co., to J. M. Snouffer, Dublin, $80,517. Grand total $699,386. Noted Aug. 23.

Ohio — H. J. Kirk, dir. Hys., Columbus, concrete paving 6.03 mi. Butler and Hamilton Counties, to Bigler Paving Co., Middletown, $170,392—7.049 mi. Medina Co., to A. J. Baltes, Norwalk, $54,767—0.316 mi. Wood Co., to D. C. Ingold, McComb, $7,046—4.351 mi. Wood Co., to P. B. Putnam, Columbus, $135,646—1.623 mi. Crawford Co., to D. Kissling, Bucyrus, $20,026—2.535 mi. Fulton Co., to J. A. Elder, Bryan, $66,863—6.18 mi. Montgomery Co., to Wilmore Paving Co., Middletown, $51,999—grading, drainage structures 6.637 mi. Licking Co., to Hickey Bros., Cincinnati, $113,011—2.604 mi. Montgomery Co., to H. R. Gandle Co., Leesburg, $17,439—sheet asphalt resurfacing 0.635 mi. Medina Co., to Federal Asphalt Paving Co., Hamilton, $15,453—concrete paving 2.443 mi. and grading, concrete curbing, concrete resurfacing Medina Co., to G. S. Mellert-Weidner Co., Medina, $52,796 and $17,925 respectively—grading, concrete paving 1.175 mi. Crawford Co., to C. C. Morrow, Cresline, $14,995—4.699 mi. Erie Co., to Homberger-Wager Co., Sandusky, $107,700. Grand total $846,058.

Indiana—J. D. Williams, dir. State Hy. Dpt., Indianapolis, concrete paving 9.611 mi. Miami and Wabash Counties, to J. C. O'Connor & Son, Ft. Wayne, $246,374—6.964 mi. Elkhart and Kosciusko Counties, to Bergen & Bergen, Franklin, $123,274—7.959 mi. Elkhart Co., to Hinsey & Dull, Portland, $131,844—12.859 mi. Cass and Miami Counties, to McCoun Constr. Co., Noblesville, $267,474—7.021 mi. Porter and Laporte Counties, to Wabash Constr. Co., Vincennes, $154,916—7.684 mi. Lake and Porter Counties, to Calumet Paving Co., Gary, $169,122. Grand total $1,093,604.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to A. J. Patrish, Paris, paving 0.59 mi. Edgar Co. $4,885—to McCarthy Impvt. Co., Kahl Bldg., Davenport, Ia., 0.72 mi. Schuyler Co. $32,712—to Johnson Constr. Co., 7 South Dearborn St., Chicago, 2.72 mi. Fayette Co. $60,120—to Starr Constr. Co., Rockford, 0.98 mi. Winnebago Co. $1,390—to J. Mackler Co., 1430 Halsted St., Chicago, 0.27 mi. Route 4, Sect. 430-X, $7,202; 0.48 mi. Route 55, Sect. 551-X, Cook Co. $32,045—to Hurden Constr. Co., Jensen Bldg., Springfield, 0.33 mi. Kendall Co. $9,498—to Arcole Constr. Co., Niles Center, 10.31 mi. Cook and Lake Counties $557,203—to Cameron, Joyce & Co., Keokuk, Ia., 5.04 mi. Cass Co. $99,-757; 6.98 mi. Hancock Co. $147,079—to M. R. Homer Constr. Co., Omaha, Neb., 1.88 mi. Morgan Co. $37,531; 9.95 mi. McHenry Co. $181,035; 6.16 mi. Lake Co. $141,869—to M. Hays & Sons Co., Chicago, 3.13 mi. Henderson Co. $89,392—to L. B. Dyer Constr. Co., Hoopeston, 0.24 mi. Hancock Co. $4,938—to Madison Constr. Co., Edwardsville, 6.23 mi. Pike Co. $150,000—to C. E. Giertz & Sons Co., Elgin, 7.64 mi. Cook and Kane Counties $133,065—to Jansen & Schaefer, Pekin, 5.01 mi. McLean Co. $118,266—to Moore Bros. Constr. Co., East St. Louis, 8.04 mi. Madison and St. Clair Counties, also 2 rein.-con. bridges and 1 rein.-con. box culvert, $197,831; 10.78 mi. Randolph Co., also 1 rein.-con. and 1 steel bridges $296,147—to Hartman-Clark Bros. Co., 920 Peoria Life Bldg., Peoria, 1.9 mi. Fulton Co. $47,799—to Midwest Eng. Co., Mt. Vernon, 2.58 mi. Randolph and Perry Counties, $73,122—to J. C. O'Connor & Sons, Ft. Wayne, Ind., 20.98 mi. Shelby and Moultrie Counties $408,800—to Anderson & Empie, Marshalltown, Ia., 13.55 mi. Carroll and Jo Daviess Counties $250,158—to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., 4.53 mi. Henry Co. $86,388—to Feiner & Luick, St. Louis, Mo., grading 6.63 mi. Cass and Morgan Counties $74,748—to Edwardsville Constr. Co., Edwardsville, 0.17 mi. St. Clair Co. $8,353—to Bingham, Rung & Co., Chicago, 0.39 mi. Cook Co. $23,020—to J. L. Wells Co., Inc., Rock Island, 4.9 mi. Henry Co. $52,768—to C. Fenner, St. Louis, Mo., 10.47 mi. Pike Co. $64,357. Grand total $3,391,478.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving Shelby and Effingham Counties, to C. J. Moritz, Inc., Effingham, $199,129 and $126,397 respectively—Iroquois Co., to E. J. Tegge Constr. Co., Papineau, $123,423—Iroquois Co., to Wabash Constr. Co., Vincennes, Ind., $88,-911—Cook and Will Counties, to Powers Thompson Constr. Co., Joliet, $172,210—Peoria Co., to Specht & O'Neil, Bushnell, $4,246—Livingston and Ford Counties, to McMahon Constr. Co., Rochester, Ind., $153,960—Iroquois Co., to E. M. Melehan Constr. Co., Algonquin, $154,996—Cook Co., to Arcole Constr. Co., Niles Center, $10,-821—DeKalb Co., to Stevens Bros., Endicott Bldg., St. Paul, Minn., $249,263—Knox and Henry Counties, to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., $158,091—Hancock Co., to S. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn., $74,780—Hancock Co., to Jansen & Schaefer, Pekin, $18,251—Alexander and Pulaski Counties, to Mitchell Constr. Co., Marion, $53,850—grading Ogle Co., to Belmat & Sons Constr. Co., Clear Lake, Ia., $149,190—Hancock Co., to C. I. Jones, St. Louis, Mo., $32,533—Alexander Co., to Cameron, Joyce Steam Shovel Co., Keokuk, Ia., $33,297—Effingham Co., to Cameron, Joyce & Co., Keokuk, $55,-970—Stephenson Co., to Balmat & Sons, Clear Lake, Ia., $178,266. Grand total $2,-037, 584. Noted May 30, June 7 and July 5.

Wisconsin — State Hy. Comn., Madison, crushed stone surfacing 8.15 mi. Vernon Co., to Meyers & Groth, Platteville $26,-177—concrete paving 6.268 mi. Shawano Co., to Universal Eng. Co., Medford $191,-380—3.203 mi. Milwaukee Co., to Reisinger Co., 466 Oakland Ave., Milwaukee $56,073. Grand total $273,630.

Wisconsin—State Hy. Comn., Stephenson Bldg., Milwaukee, concrete paving 2.5 mi. Project 268-B, Waukesha Co., to Lex

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Streets and Roads (Continued)

Constr. Co., 446 68th Ave., West Allis, $62,-260—3.7286 mi. Project 2702 and Federal Aid Project 439-B, Racine Co., to Kramp Constr. Co., Berlin, $127,016 and $138,703 respectively—crushed rock surfacing 1,700 cu.yd. Argyle-Monroe Rd., to Splinter & Meneham, Argyle, $3,060—Bean Brook Bridge, to H. S. Kaliher, Washburn, $5,867—Green Bridge, on Project 5141, Monroe Co., to M. Schroeder, Cashton, $6,000—Sailor Creek Bridge, on Project 7816, Price Co., to R. W. Ohls, Ladysmith, $8,902. Grand total $351,808.

Wis., Bloomer—Grading, rein.-con. paving 18,000 yd., to A. Larson Co., Eau Claire, $42,982.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Czerwinski Constr. Co., 816 Clinton St., improving McKinley Ave. $3,024; Oklahoma Ave. $21,420; 24th Ave. $4,080—to A. J. Koch, 1297 Cramer St., 61st St. $3,202—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Cedar St. $61,-790; Howell Ave. $35,550—to Badger Constr. Co., 97 East Wisconsin Ave., Lincoln Ave., $17,713; 7th St. $7,607. Grand total $154,386.

Wis., Milwaukee — Milwaukee Co. Hy. Comn., W. C. Cavanaugh, comr., improving Layton Ave. A, to Kroening Constr. Co., 39th Ave. and Mitchell St., $64,901—Menomonee River Parkway, to White Constr. Co., 68 East Wisconsin Ave. $73,008—Menomonee River Bridge, to Dick & Blake-Constr. Co., 4608 Lisbon Ave. $8,005. Grand total $145,914. Noted Sept. 6.

Ia., Cresco—Howard Co., 6 in. concrete paving 21.7 mi. Roads 9 and 59, to Metz Constr. Co., Springfield, Neb., $526,000.

Kan., Hutchinson — Reno Co., grading, concrete paving 2.851 mi. Project 50S-21-Federal Aid 399-B, and 4.463 mi. Project 50S-21-Federal Aid 399-C, to Whitney & Teeter, Hutchinson, $58,251 and $92,515 respectively. Noted Aug. 9.

Missouri—State Hy. Comn., Jefferson City, grading 4.372 mi. Project 301-C, Monroe Co., to Graham Bros., Leeds $27,017—concrete paving 1.135 mi. Project 211-C, Stoddard Co., to C. E. Hamilton, Carbondale, Ill., $18,604 7.899 mi. Project 248-A and B, Crawford Co., to Kass Constr. Co., 2818 5th Ave., Des Moines, Ia., $118,206. Grand total $163,827.

Missouri — State Hy. Comn., Jefferson City, grading 6.95, mi. Project 301-A and B, Randolph Co., to M. Haase, St. Joseph, $42,905.

Mo., St. Joseph—Paving 16th and 27th Sts., to Sayles Constr. Co., 1814 Highly St. $14,103 — asphaltic concrete resurfacing Patee and Mary Sts., to Land Constr. Co., Corby Bldg. $6,217—paving 2 alleys, to P. P. Young, 4209 St. Joseph Ave. $3,196—1 alley, to Bridgeford Constr. Co., St. Joseph $2,110—18th, 6th and 5th Aves., to Judson Eng. & Constr. Co., 1811 Faraon St. $8,009. Grand total $33,635.

Mo., St. Louis — Bd. P. Serv., City Hall, rein.-con. paving 11,000 sq.yd. Arsenal St. and paving alley in City Block 5358, to Joseph Kesl & Sons, Title Guaranty Bldg., $30,358 and $2,550 respectively—rein.-con. paving 1,740 sq.yd. Bamberger St. and paving 3 alleys, to Eyermann Constr. Co., 1210 South Grand Blvd., $8,247 and $6,816 respectively — vibrolithic concrete paving 1,560 sq.yd. Veronica Ave. and paving Alley 5447, to Skrainka Constr. Co., Security Bldg., $7,325 and $4,195 respectively—asphalt paving 2,735 sq.yd. Blair Ave., to Trinidad Asphalt Mfg. Co., 600 South Theresa Ave. $20,194—4,130 sq.yd. Compton Ave. and 3,090 sq.yd. Macklind Blvd., to Bridges Asphalt Paving Co., 1470 Kentucky St. $19,618 and $18,563 respectively—concrete paving Alley 3555-A, to W. A. Riley, 110 North 7th St. $715—paving 7 alleys, to Alfred Lewald, Inc., 6025 West Cabanne Ave., $25,100. Grand total $143,-681. Noted Aug. 23.

Tex., Houston—For 3 in. vitr. brick on 8 in. concrete paving 23,700 sq.yd., to S. Shambaugh, 1401 Dowling St., $115,766. Est. $95,000. Noted Sept. 6.

Okla., Oklahoma City—To Western Paving Co., Petroleum Bldg., grading, sheet asphalt paving 6,200 sq.yd. 34th and 35th Sts. $23,197, est. $25,000; 6,400 sq.yd. Youngs Blvd., $26,861, est. $28,100; 6,860 sq.yd. Robinson St. $26,166, est. $28,000—to M. A. Swatek & Co., 519½ West Main St., concrete paving 5,800 sq.ft. 6th St. $24,023, est. $26,600. Grand total $100,247. Noted Aug. 29.

Okla., Wewoka—Grading, concrete paving 20,600 sq.yd. Plum, Sycamore, Church, Cherry, Peach and Hickory Sts., to Hansen & Pearce, Perrine Bldg., Oklahoma City, $71,462. Est. $73,000.

Utah—State Hy. Comn., H. H. Blood, chn. Salt Lake City, grading, concrete paving 3.828 mi. Federal Aid Project 84-A, Cache Co., to Christenson & Jacobs & Gardner, Salt Lake City, $94,319.

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Nevada—State Hy. Comn., Carson City, grading, crushed stone surfacing 12.2 mi. State Hy., White Pine Co., 20 ft., to J. N. Tedford, Fallon, $74,559. Est. $74,320.

Nevada—State Hy. Comn., Carson City, graveling 25.93 mi. Humbold and Lander Counties, to Nevada Rock & Sand Co., Reno, $59,856.

Arizona — State Hy. Comn., Phoenix, select material surfacing 2.4 mi. Project 89-B, Coconing Co., to Whiting Bros., Tanner & Packard, St. Johns, $34,798.

Washington—State Hy. Comn., Olympia, concrete paving 3.62 mi. Project 163, Douglass Co., to United Contg. Co., North West Bank Bldg., Portland, Ore., $112,470.

Oregon—State Hy. Comn., Salem, broken stone surfacing 17.24 mi. Linn Co., to J. J. Dann, 500 North Front St., Portland, $104,973.

Calif., Inglewood — O. H. Duelke, city clk., grading, curbing, guttering, 6 in. vibrolithic concrete paving A. and I. 2, Prairie Ave., to J. L. McClain, 3452 Slauson Ave., Los Angeles, $135,265. Noted Aug. 30.

Calif., Los Angeles—Grading, 6 in. concrete paving 575,740 sq.ft. Burbank Blvd., to G. H. Oswald, 366 East 58th St., $174,-170. Est. $197,615.

Ont., Toronto—W. D. Annis, city clk., 1 Birchcliffe Ave., asphalt on concrete paving Madison Ave., to Godson Contg. Co., 203 Richmond St. W., $16,817—asphaltic concrete surfacing Jones Ave., to city by day labor, $17,546—brick block on concrete paving Indian Rd., to Grant Contg. Co., 47 Adelaide St. E., $6,599—concrete paving lane near Lippincott St., to Mitchell Contg. Co., 28 Moore Ave., $1,461—lane near Grange Ave., to L. P. Acri, 28 Grove St. Noted Aug. 9.

Public Bond Elections

Coming Bond Elections

Waterworks — Denison, Ia., Sept. 18, $20,000.
Sewers—Cleveland, O., Nov. 6, $1,750,000.
Irrigation System—Bent County, Colo., Sept. 29, $600,000.
Breakwater and Yacht Harbor — Santa Monica, Calif., $3,500,000.
Paving—Cleveland, O., Nov. 6, $1,000,000.
Roads—Ardmore, Okla., Oct. 2, $500,000.
School—Lebanon, O., Nov. 6, $250,000.
Schools—Louisville, Ky., Nov. 6, $3,000,000.
High School—Excelsior Springs, Mo., Oct. 23, $200,000.
Lighting System — Cleveland, O., Nov. 6, $300,000.
Stadium—Cleveland, O., Nov. 6, $2,500,000.
Airport—San Jose, Calif., $400,000.

Bonds Voted

Waterworks—Pyote, Tex., $95,000.
Waterworks—Calhan, Colo., $25,000.
Sewers and Drainage — Houston, Tex., $400,000.
Sewers—Pyote, Tex., $53,000.
Sewers—Miles City, Mont., $160,000. Burns & McDonnell Eng. Co., Kansas City, Mo., Engrs.
Sewers—Berkeley, Calif., $500,000.
Paving and Sewers—Elizabethtown, Tenn., $225,000.
Street Improvement — Houston, Tex., $2,550,000.
Paving—Lockart, Tex., $100,000.
Roads—Wharton, Tex., $500,000.

Bonds Defeated

Roads—Guthrie, Okla., $30,000.
Filtration Plant, etc.—Sacramento, Calif., $688,000.
Fire Alarm and Police System—Sacramento, Calif., $305,200.

Buildings—Industrial

Proposed Work

Vt., Burlington—BAKERY—Frasor Baking Co., 50 Cherry St., sketches by McCormick Co., archts., 41 Park Row, New York, 1 story, 95 x 145 ft., brick, steel Cherry St., recently destroyed by fire. $40,000.

N. Y., Brooklyn — LABORATORY — Brooklyn Union Gas Co., 176 Remsen St., plans by Bartlett-Hayward Co., 200 Scott St., Baltimore, Md., 35x75 ft. laboratory, Gardner Ave. and Withers St. $60,000.

N. Y., Brooklyn—SERVICE GARAGE—Marion Reid Garage & Gas Station, Inc., L. Rosenburg, pres., 391 Fulton St., plans by Kleinnert & Klie, 250 Park Ave., New York, 2 story, 100 x 159 ft., brick, concrete, Atlantic and Brooklyn Aves. $100,000.

N. Y., Buffalo—STEEL MILL—Bliss & McLaulin, Inc., Harvey, Ill., 1 story, brick, steel mill. $1,000,000. H. Carpenter, Buffalo, engr.

N. Y., New York—ICE HOUSE, GARAGE and BATHHOUSE—A. J. Schwarzler, 368 East 167th St., plans by C. Schaefer, Jr., 332 East 149th St., 3 and 4 story, 13[illegible] x 13[illegible] ft., brick, concrete Devoe and 174th Sts. $150,000.

N. J., Asbury Park—MILK DISTRIBUTING PLANT—Alderney Dairy Co., 26 Bridge St., Newark, plans by W. E. Lehman, 972 Broad St., Newark, 1 story, basement, 65 x 100 ft., brick, steel, plain found. Drummond Ave. $40,000. Noted Sept. 6.

N. J., Jersey City — PLANT — Armour Packing Co., 120 Bway., New York, 3 story, rein.-con., 113 x 170 ft. site, 7th St. between Coles and Monmouth Sts. $1,000,000. Private plans.

Fla., Avon Park—COLD STORAGE and ICE PLANT—Florida P. Serv. Co. cold storage and ice plant. $150,000.

Fla., Jacksonville—PLANT DEVELOPMENT—Asiatic Petroleum Co., 65 Bway., New York, plant development at Phoenix Park property. $1,000,000.

Miss., McComb — FACTORY — Tuf Nut Garment Mfg. Co., 312 Rock St., Little Rock, Ark., and McComb, Miss., D. B. Edwards, mgr., 3 story, brick, rein.-con. $150,000.

O., East Liverpool — FACTORY — H. Walker, mgr., Woodbine Laundry Co., Penna. Ave. and Central St. soon takes bids 1 story, 50 x 150 ft., brick, Penna. Ave. and Central St. $40,000.

Mich., Lansing—FACTORY—Olds Motor Wks., 1101 Division St., 2 story, 130 x 460 ft., rein.-con., brick, steel addition, plain found. $350,000. Austin Co., General Motors Bldg., Detroit, engrs.

Ia., Sioux City—COLD STORAGE—Cudahy Packing Co., A. F. Mills, supt., soon takes bids 4 story, 50 x 146 ft. brick, rein.-con. cold storage at Stock Yards, also changing sewers, water lines, wrecking old buildings. $200,000. Private plans.

Minn., Blue Earth—ICE CREAM PLANT—Schwen Ice Cream & Candy Co., soon takes bids 2 story, rein.-con., brick plant. $40,000. C. A. Berger, 401 Phoenix Bldg., Minneapolis, archt.

Tex., Beaumont—PUBLISHING PLANT—Beaumont Enterprise & Journal, 441 Mulberry St., and J. Maples, Beaumont soon let contract 3 story, 60 x 124 ft., brick, steel, cast stone. $175,000. Howell & Thomas, 3868 Carnegie St., Cleveland, O., archts.

Okla., Tulsa—SHOPS—See "Unclassified."

Colo., Denver — LITHOGRAPHING and PRINTING—Rocky Mountain Bank Note Co., B. F. Scribner, 120 West 3rd St., Pueblo, lithographing, printing and affiliated business building, Speer Blvd. $100,000.

Calif., Emeryville — MANUFACTURING — Western Electric Co., 680 Folsom St., San Francisco, 5 story, rein.-con. $500,000. Private plans.

Calif., San Leandro—PLANT—Chrysler Co., Highland Park, Detroit, Mich., assembly plant, Durant Ave. and East 14th St. $1,000,000 or more.

Calif., South San Francisco—PLANT—Marchetti Motor Patents, Inc., Russ Bldg., San Francisco, motor plant building, 28,000 sq.ft. floor space, airplane plant, 69,000 sq.ft. floor space, Bayshore Hy. $300,000. A. W. Ryder, Russ Bldg., San Francisco, engr.

Bids Desired

Mass., Chelsea (br. Boston)—FACTORY—Panco Rubber Co., F. Bernstein, pres., 31 Highland St., taking bids 2 story, 90 x 100 ft., brick, timber, addition, concrete found. Highland St. Noted July 5.

Mass., Lynn — NEWSPAPER DISTRIBUTING STATION — North Shore News, R. S. Bauer, pres., 52 Exchange St., taking bids 2 story, 65 x 105 ft., rein.-con., brick, steel addition, plain found., Exchange St. $40,000. Sanborn & Weed, Item Bldg., archts. Noted Aug. 23.

N. Y., New York—SERVICE—Sept. 28, by S. W. Wynne, pres. Bd. Health, Dpt. Health, 505 Pearl St., altering service building, Willard Parker Hospital, foot East 16th St.

N. J., Orange — FACTORY — Mead-Suydan Co., 400 Sheridan St., taking bids general contract 1 story, basement, brick, steel, plain found., Sheridan St. $40,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Aug. 23.

O., Sandusky—FACTORY—Ban Rubber Products Co. taking bids rebuilding 2 story, basement, recently destroyed by fire. $50,000.

Ind., Indianapolis—MACHINE SHOP and GARAGE—E. E. Sims, 605 State Life Bldg., taking bids 1 story, 60 x 195 ft., brick, steel, 1617 East Washington St. $47,-000. McGuire & Shook, North Meridian St., archts.

Buildings—Industrial (Continued)

Ind., Kendallville—TURBINE HOUSE—See "Waterworks."

Mo., Stanberry—POWER PLANT—See "Unclassified."

Texas and Oklahoma—GAS COMPRESSOR STATION—Cities Serv. Gas Co., 60 Wall St., New York, taking bids 5,000 hp. gas compressor station at Higgins, Tex., $100,000; improving, enlarging plants at Mooreland, Okla. and Pampa, Tex., $75,000. Private plans.

Okla., Sand Springs—MILL—See "Contracts Awarded."

Contracts Awarded

Mass., Worcester — LAUNDRY — Hovey Laundry Co., 41 Austin St., 4 story, basement, 60 x 80 ft., brick, terra cotta, laundry and office building, to J. Miles & Son, 25 Foster St. Est. $50,000. Noted Aug. 23.

Conn., Bristol—FACTORY—E. Ingrum Co., 592 North Main St., 5 story, 50 x 162 ft., brick, timber, to Torrington Building Co., 182 Church St., Torrington. Est. $100,000. Noted Aug. 23.

Conn., Hartford—BRASS FOUNDRY—M. S. Little Mfg. Co., 151 New Park Ave., 1 story, 50 x 120 ft., brick, steel, concrete, to Bartlett-Brainard Co., 252 Asylum St. Est. $40,000. Noted Aug. 23.

N. Y., Long Island City — HOUSING STATION — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., housing station, Betts Ave., Laurel Hill, to Lane ogle, Inc., 9 Park Pl., New York, $61,600. Noted Aug. 9.

N. Y., Oswego — FACTORY — Oswego Candy Wks., 275 West 1st St., 3 story addition, to Peter Raby Contg. Co., 3rd Ave. Est. $75,000.

N. J., Elizabeth—MILL—Poggi & Bragdon, archts., 275 Morris Ave., general contract altering 2 story, basement, 70 x 200 ft., brick, steel, rein.-con., plain found., to C. D. Nanamaker, 45 West 42nd St., New York, for Hitchings & Co., 71 Spring St. Est. $150,000. Noted Aug. 16.

N. J., Orange—MILK DISTRIBUTION PLANT—Newark Milk & Cream Co., c/o W. E. Lehman, archt., 972 Broad St., Newark, general contract 1 story, basement, 50 x 400 ft., brick, steel, plain found., to Fatzler Co., 676 South 16th St., Newark. Est. $75,000. Noted Aug. 23.

Pa., Phila. — MACHINE — Philadelphia Coke Co., 4501 Richmond St., 1 story, 42 x 93 ft., brick, steel, plain found., 4501 Richmond Ave., to Koppers Constr. Co., Union Trust Bldg., Pittsburgh.

Ky., Louisville — AUTOMOBILE BODY FACTORY—Mengel Body Co., 4th and G Sts., general contract part 2 story, basement, main building 306 x 441 ft., 1 very high story, basement under part, 40 x 614 ft. loading dock, various sized warehouses and storage space, all covering 4 acre space, 4th and G Sts., to Struck Constr. Co., 149 North Clay St., $600,000. Est. $1,000,000.

O., Cincinnati — FACTORY — Tennessee Copper Corp., Skillman Rd., 1 story, 208 x 420 ft., rein.-con., plain found., Skillman St., to Ferro Constr. Co., Elm St., $500,000.

O., Dayton—GARAGE and AUTO REPAIR SHOP—Four Hundred Seventy-Six Co., 2nd and St. Clair Sts., 2 story, brick, concrete, plain found., to H. R. Blagg Co., 1229 East 3rd St., $56,000. Noted July 5.

Ind., Indianapolis—FACTORY—Diamond Chain Co., Kentucky Ave. and South St., general contract 1 story, 40 x 100 ft., and 4 story, 60 x 160 ft., rein.-con., brick, steel, to Hall Constr. Co., 406 Bd. of Trade Bldg. Est. $100,000.

Mich., Pleasant Ridge (Royal Oak P.O.)—BAKERY—Boettcher Baking Co., Pleasant Ridge and R. F. D. 3, Pontiac, 1 story, basement, 90 x 250 ft., rein.-con., brick, steel, plain found., Ten Mile Rd., to M. Bortholomaeil Son & Co., 1574 East Warren Ave. Est. $95,000. Noted Aug. 30.

Ill., Carmi—FACTORY—Carmi Mfg. Co., 2 story, 76 x 173 ft. brick, steel, to Bender Bros., Carmi; plumbing and heating, to Tri State Heating Co., 1131 Indiana Ave., Evansville, Ind. Est. $57,000.

Ill., Chicago—FACTORY—A. S. Alschuler, archt., 28 East Jackson Blvd., 2 story, 86 x 125 ft., face brick, cut stone terra cotta, Logan Blvd. and Holly St., masonry, carpentry and cut stone contract, to Morris Handler, 2718 West Chicago Ave.; terra cotta, to Amer. Terra Cotta Co., 228 North La Salle St.; steel sash, to Campbell Metal Window Corp., 228 North La Salle St., for Chicago Printed String Co., 2411 Clybourn Ave.

Ill., Chicago — FACTORY — Budlong Pickle Co., 100 West North Ave., masonry and carpentry contract 1 story, 144 x 163 ft., brick, 1838 Marcey St., to H. B. Barnard, 140 South Dearborn St. Est. $75,000.

Ia., Sioux City — PACKING PLANT — Sioux City Stock Yards Co., G. F. Silknittel, pres., 250 x 330 ft. plant 26 ft. high, rein.-con. addition, to W. A. Klinger, Inc., Warnock Bldg. Est. $210,000. Noted June 7.

Mo., St. Louis—PAINT FACTORY and WAREHOUSE—Con-Ferro Paint & Varnish Co., I. Koplar, secy., 118 South Main St., 1 story, 40 x 200 ft., and 3 story, 60 x 100 ft., rein.-con., brick, 3200 North Bway., to N. M. Kaplan, 806 Chestnut St. Est. $100,000.

Mo., St. Louis—POWER PLANT—A. Leschen & Sons Rope Co., 5909 Kennerly Ave., 1 story, 30 x 63 x 90 ft., rein.-con., brick power house for wire rope plant, Kennerly Ave., to Humes-Deal Co., 777 Arcade Bldg. Est. $80,000.

Okla., Durant — PEANUT BUTTER FACTORY — Bain Peanut Co., 1 story, 80 x 100 ft. brick, rein.-con., plain found., Maple St., to J. P. Graham, Durant $45,000. Noted Aug. 9.

Okla., Sand Springs—MILL—Tulsa Rolling Mill Co., 1 story, 135 x 432 ft. steel rolling mill, incl. 132 x 135 ft. open hearth building, rein.-con., brick, steel, day labor. $200,000. Private plans.

Ont., Oshawa—CAR BARNS and SUBSTATION—Oshawa Street Ry., Bradley Blk., general contract 1 and 2 story, 116 x 213 ft., and 35 x 213 ft., rein.-con., brick, steel, plain found., to Bath & McLellan, 17 Young St. Est. $150,000.

Ont., Toronto—POWER PLANT—J. W. R. Ambrose, engr., New Union Sta., general contract 2 story, basement, rein.-con., brick, steel, plain found., to Peter Lyall & Sons, Bay St., for Toronto Terminals Ry. Co., New Union Sta. Est. $200,000. Noted June 21.

Buildings—Commercial

Proposed Work

Mass., Framingham—BANK—J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, soon lets contract altering and constructing 1 story, basement, rein.-con., brick, steel, stone addition, plain found., for Framingham Trust Co., C. H. Bigelow, pres., Concord St. $150,000. Noted July 19.

Conn., Hartford—EXCHANGE—Southern New England Telephone Co., 157 Church St., New Haven, sketches by R. W. Foote, 185 Church St., New Haven, altering and constructing brick, steel addition, Pearl St. $2,000,000 incl. equipment.

N. Y., Brooklyn—STORE and GARAGE—Boerum Holding Corp., 61 Park Row, New York, plans by V. S. Todaro, 1901 West 12th St., 12 story, 70 x 99 ft., brick, concrete, State St. and Boerum Pl. $1,100,000.

N. Y., New York—APARTMENT—Teeson Constr. Co., A. Tishman, pres., 285 Madison Ave., plans by Schwartz & Gross, 347 5th Ave., brick, steel, 14 East 75th St. $900,000.

N. Y., New York—OFFICE—Consolidated Gas Co., 14th St. and Irving Pl., plans by T. E. Murray, 55 Duane St., 18 story, 116 x 122 ft., brick, steel addition. $2,500,000.

N. J., Jersey City—OFFICE—Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad St. Sta., Phila., Pa., 10 story, brick, steel, Exchange Pl. $1,000,000.

N. J., Newark—THEATRE, STORE and OFFICE—A. M. Greenfield, 9 Clinton St., will not build 25 story, basement, brick, steel, plain found., 12-32 Lafayette St. $5,000,000. Project abandoned. Noted June 14.

La., Shreveport — HOSPITAL — Charity Hospital, c/o Secretary of the Board, soon lets contract remodeling administration building and 1 story, brick, concrete clinic building, constructing additional operating and ward rooms. $150,000. S. Van Os, Merchants Bldg., archt.

O., Cleveland—DEPARTMENT STORE—W. Taylor Son & Co., C. H. Strong, vice pres. and genl. mgr., plans by Walker & Weeks, 2341 Carnegie Ave., 17 story, basement, brick, steel, concrete, 630 Euclid Ave. $5,000,000. Noted Apr. 19.

Ill., Chicago—APARTMENTS—Syndicate, c/o D. S. Klafter, archt., 64 West Randolph St., sketches 15 story, basement, 100 x 150 ft., rein.-con., brick, stone, wood pile found., incl. billiard and card rooms, bowling alley, gymnasium, 5826-32 Blackstone Ave. $2,000,000.

Ill., Chicago—EXCHANGE—Illinois Bell Telephone Co., 214 West Washington St., plans by Holabird & Root, 333 North Michigan Ave., 7 story addition, 319 West Washington St. $2,000,000.

Wis., Milwaukee—APARTMENT HOTEL—Dick & Bauer, Inc., archts., 208 3rd St., soon lets contract, 4 story, basement, 50 x 156 ft., brick, rein.-con., steel, plain found., 101 13th St., for One Hundred One 13th Street Realty Co.

Ia., Dubuque—LODGE—A. F. & A. M. Lodge, c/o E. R. Young, chn., plans by R. F. Moore, 1111 Merchants Natl. Bank Bldg., Cedar Rapids, 2 story, basement, rein.-con., brick, stone. $250,000.

Minn., St. Paul — GARAGE — Ballard Storage & Transfer Co., O. T. Skettet, pres., 16 East 4th St., soon lets contract 4 story, basement, 300-car, rein.-con., 3rd and Wabash Sts. $250,000. Ellerbe & Co., 692 Endicott Bldg., archts. Noted Aug. 9.

Kan., Beloit—HOSPITAL—W. S. Irwin, secy., soon lets contract, 2 story, basement, 162 x 178 ft., rein.-con., steel, brick, stone, plain found. $200,000. Pelton & Rogers, 415 Lexington Bldg., New York, archts.

Neb., Omaha—OFFICE—G. W. Smith, Inc., G. W. Smith, pres., 280 Madison Ave., New York, soon takes bids 7 story, basement, 132 x 132 ft., rein.-con., brick, steel, stone, 1607 Farnam St. $500,000. Excavating awarded to Thomson Co., 408 Security Bldg. G. B. Prinz, Omaha Natl. Bank Bldg., archt. Noted July 19.

Mo., St. Louis—HOTEL—H. J. Rush, et al., c/o Rush, Lee & Rush, archts., 6038 Delmar Blvd., revised sketches 15 story, 3 basement, 116 x 200 ft., rein.-con., brick, steel, granite stone, terra cotta, Delmar Blvd and Des Peres Ave., incl. subway to Delmar Station of Wabash Ry. $2,000,000.

Tex., Big Springs—OFFICE—G. T. Hall & Associates, Big Springs, soon lets contract 6 story, brick, stone, concrete, Gothic type office building. $160,000. Peters, Haynes & Strange, Myrick Bldg., Lubbock, archts. Noted Aug. 30.

Tex., San Antonio — OFFICE and GARAGE—K. M. Nix, 205 East Travis St., bids after Sept. 20, 18 story, basement, 114 x 168 ft., L-shaped, brick, steel, stone, Navarro and College Sts. $1,500,000. Beretta-Stiles Co., Inc., 1203 Natl. Bank of Commerce Bldg., archts. Noted Aug. 16.

Okla., Tulsa—ADMINISTRATION and PASSENGER TERMINAL—See "Unclassified."

Calif., San Diego — APARTMENT HOTEL — J. E. Collumb, 326 Juniper St., plans by Walker & Eisen, Great Republic Life Bldg., Los Angeles, 12 story basement, steel, concrete, incl. garage in basement, $1,500,000. F. G. Paget, formerly operating Maryland Hotel, lessee.

Ont., Windsor—HOTEL—Norton Palmer Hotel Co., P. D. Norton, managing dir., 12 story, basement, 105 x 125 ft., rein.-con., brick, stone addition, Park St. $1,700,000. Engineer and architect not selected.

Bids Desired

Mass., Allston (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Boston—STORE and OFFICE—C. W. Rowell, 60 State St., taking bids 2 and 3 story, basement, 60 x 170 ft., brick, steel, plain found., 349-363 Washington St. $150,000. Shepard & Stearns, 65 Franklin St., archts.

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Everett (br. Boston)—APARTMENTS—See "Contracts Awarded."

R. I., East Providence (br. Providence)—HOME—Bradley Hospital, c/o Howe & Church, archts., Turks Head Bldg., Providence, taking bids brick home. $150,000 or more. C. Neergaard, 512 5th Ave., New York, consult. archt. Noted Feb. 2.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Kings Park—EMPLOYEES HOME—Sept. 19, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, single employees building, at Kings Park State Hospital; adv. E. N.-R. Sept. 13.

N. Y., Napanoch—STAFF ACCOMMODATIONS, etc. — Sept. 27, by Commissioner Mental Hygiene, Capitol, Albany, staff accommodations, inmate cell accommodations at Institution for Defective Delinquents; adv. E. N.-R. Sept. 13.

N. Y., New York—HOSPITAL—Sept. 18, by B. S. Coler, comr. Pub. Welfare, Municipal Bldg., altering south wing Main Building, Metropolitan Hospital, Welfare Island. C. B. Meyers, 31 Union Sq. W., archt.

N. Y., Thiells—SERVICE—Sept. 26 (extended date), by Commissioner Dpt. Mental Hygiene, Capitol, Albany, service building addition at Letchworth Village; adv. E. N.-R. Sept. 13. Noted Aug. 30.

N. Y., Poughkeepsie—INFIRMARY, etc.—Oct. 10, by Dpt. Mental Hygiene, Capitol, Albany, infirmary, nurses home, Staff Apartments 2 and 3, at Hudson River State Hospital; adv. E. N.-R. Sept. 13. Noted Aug. 30.

N. J., Atlantic City — APARTMENT — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—GARAGE—Burstyn & Heftler, 209 30th St., Woodcliffe, sub-bids about Oct. 15, 8 story, basement, rein.-con.,

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Buildings—Commercial (Continued)

brick, steel, plain found., Bergen Ave. and Academy, St. $500,000. Private plans. Noted Aug. 16.

N. J., Jersey City—HOTEL—Fairmount Hotel, c/o P. L. Schultz, archt., 256 Summit Ave., Union, bids about Oct. 15, general contract 11 story, basement, 50 x 105 ft., brick, steel, plain found., 329-333 Fairmount Ave. $300,000. Noted Aug. 2.

N. J., Newark—APARTMENT—See "Contracts Awarded."

N. J., Orange—APARTMENT—Lillien & Lillien, archts., 155 West 72nd St., New York, sub-bids about Oct. 15, 5 story, basement, 100 x 125 ft., brick, steel, plain found., South Center St., for J. J. Kelley, 24 Branford Pl., Newark. $250,000. Noted Sept. 6.

N. J., Orange—APARTMENT—J. Zingalli, Glen Ridge Ave., Montclair, taking bids general contract 4 story, basement, brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Sept. 6.

N. J., Ventnor (br. Atlantic City) — APARTMENT—C. Froeb, c/o O. Schmidt, archt., Guarantee Trust Bldg., Atlantic City, bids about Oct. 15, general contract 8 story, basement, brick, steel, plain found., Atlantic and Troy Aves. $250,000. Noted Aug. 16.

Ky., Louisville—HOTEL APARTMENT—See "Contracts Awarded."

O., Columbus—SAFETY—Oct. 4, W. H. Duffy, dir. Service, 5 story, basement, 17,000 sq.ft. floor space, brick, stone, concrete, Water St. $650,000. Allied Architects Assn., 82 West Broad St., archts.

Ind., Indianapolis — OFFICE — A. Goldstein, 134 North LaSalle St., Chicago, Ill., taking bids 4 story, rein.-con., brick, steel addition to Majestic Building, Pennsylvania and Maryland Sts. $200,000. D. A. Bohlen & Son, Majestic Bldg., archts. Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Indianapolis, lessee.

Mich., Muskegon—HOTEL—D. R. Swett, mgr. Occidental Hotel, taking bids altering and constructing 8 story, basement addition. Holabird & Root, 333 North Michigan Ave., Chicago, Ill., archts. Noted June 7.

Ill., Chicago — WAREHOUSE — Central Steel & Wire Co., 4545 Southwestern Ave., taking bids 1 story, 160 x 390 ft., brick, 45th Pl. and Southwestern Ave. $200,000. W. S. Crosby, 6 North Michigan Ave., archt.

Ill., Evanston — APARTMENT — H. H. Decker & Co., 400 North Michigan Ave., Chicago, taking bids 3 story, English basement, 130 x 160 ft., rein.-con., brick, stone, Madison St. and Ridge Ave. $275,000. P. E. Olsen, 720 Cass St., Chicago, archt.

Kan., Garden City—COURT—Finney Co., c/o W. G. Hopkins, clk., general contract 4 story, basement, 70 x 106 ft., rein.-con., stone, to Bailey & Burns, Norman, Okla., $122,400.

Kan., St. John—COURT—Stafford Co., c/o V. Hann, clk., bids about Oct. 1, 3 story, rein.-con., brick, stone, $150,000. Mann & Co., 722 Rorabaugh-Wiley Bldg., Hutchinson, archts. Noted Mar. 1.

Neb., Omaha—BUS TERMINAL—Union Bus Depot, c/o D. A. Baum, 231 City Natl. Bank Bldg., taking bids 2 story, basement, 100 x 180 ft., rein.-con., brick, steel, 16th and Jackson Sts. G. Fisher, 1437 City Natl. Bank Bldg., archt. Noted Aug. 30.

Tex., Pampa—COURTHOUSE—Oct. 3, by Gray Co., c/o T. M. Wolfe, judge, 4 story, 86 x 120 ft., brick, stone, steel, rein.-con. $300,000. W. R. Kaufman, 107 Monroe St., Amarillo, archt. Noted Aug. 30.

Mo., Clayton—HOSPITAL—St. Louis Co., A. Wehmeyer, judge, Court House, bids about Nov. 8 (1st unit) 3 and 5 story, basement, rein.-con., brick, stone, hospital and power plant, North and South Rd. north of Clayton Rd. $300,000. Total $1,000,000. Aegerter & Bailey, Ry. Exch. Bldg., St. Louis, archts. Noted Apr. 5.

Wash., Olympia — HOTEL — J. Wohleb, archt., Olympia, bids about Sept. 30, 7 story addition to Mitchell Hotel, 7th St. and Capital Way, for Pacific Coast Investment Co. $155,000.

Calif., Los Angeles—APARTMENT—See "Contracts wardedA."

Calif., Los Angeles—BANK and OFFICE—Hollywood Central Building Corp., 6331 Hollywood Blvd., taking bids (from selected list of bidders) 12 story, basement, 42 x 90 ft., rein.-con., Hollywood Blvd. and Vine St. $400,000. Curlett & Beelman, 1019 Union Bank Bldg., archts.

Calif., Sacramento—CLUB—Sutter Club bids about Sept. 18, 5 and 7 story, basement, rein.-con., brick, 9th and M Sts. $300,000. Dean & Dean, California State Life Bldg., and Starks & Flanders, Ochsner Bldg., archts. Noted June 14.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

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Ont., Toronto — APARTMENT — See "Contracts Awarded."

Ont., Toronto — STORE and APARTMENT — See "Contracts Awarded."

Bids Received

La., New Orleans—BANK and OFFICE—M. H. Goldstein, archt., Hibernia Bank Bldg., general contract 21 story, limestone, granite, Carondelet St., from G. J. Glover Co., Whitney Bldg., $1,409,975. Noted Aug. 16.

Contracts Awarded

Mass., Allston (sta. Boston) — APARTMENT — I. Zeiman, 333 Washington St., Boston, (5 unit) 3 story, basement, 80 x 80 ft., brick, stone, plain found., York St., day labor. $350,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Mass., Boston—APARTMENT—C. Soire, 76 Hutchins St., Roxbury, 5 story, basement, brick, stone, plain found., 306 Riverway, day labor. $175,000. Silverman & Brown, 51 Cornhill, archts.

Mass., Brighton (sta. Boston)—APARTMENT—Grossman & Coombs, 143 Sutherland Rd., 3 story, basement, brick, stone, plain found., Sutherland Rd., separate contracts. $225,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Everett (br. Boston)—APARTMENTS—J. Miller, 4 Parker St., Malden, Mass., 3 story, basement, 70 x 100 ft., brick, stone, plain found., Nichols St., Chatham and Baker Rds., separate contracts. $150,000. S. E. Moffie, 51 Cornhill, archt.

Mass., Fall River—BANK—Union Savings Bank, bank, South Main St., to John Crowe Co., Inc., 486 2nd St. Est. $200,000.

Mass., Hingham—TEMPLE—Old Colony Lodge of A. F. & A. M., J. I. Botting, chn. Building Com., 1 story, basement, brick, plain found., to J. W. Douglas, Spring St., Hull. Est. $150,000. Noted Aug. 30.

N. Y., Brooklyn—APARTMENT—M. L. Koeppel Building Corp., 26 Court St., 6 story, 87 x 105 ft., brick, steel, Avenue N. and East 18th St., separate contracts. $150,000. Malkind & Weinstein, 93 Court St., archts.

N. Y., Brooklyn — APARTMENT — Seacrest Building Co., M. Leibovitz, pres., 59 Court St., 87 x 230 ft., brick, steel, Darby St., separate contracts. $425,000. Cohn Bros., 361 Stone Ave., archt.

N. Y., New York—APARTMENT—Manhattan Square Beresford, Inc., H. Lipschultz, pres., 9 East 40th St., 15 story, 185 x 204 ft., brick, steel, 2 West 82nd St., to H. R. H. Constr. Corp., 9 East 40th St. Est. $3,000,000. Contractor taking bids on separate contracts.

N. Y., New York — Y. M. C. A., G. S. Bilheiner, bus. mgr., 2 West 45th St., William Sloane Memorial Building, 14 story, brick, granite, stone, on 116 x 197 x 143 ft. site, to Edward Corning Co., 145 East 45th St. Est. $1,000,000. Noted May 24.

N. J., Atlantic City—APARTMENT—Oriental Apartment Co., 2506 Atlantic Ave., 5 story, basement, 100 x 100 ft., brick, steel, plain found., 2506 Atlantic Ave., separate contracts. $175,000. Betram & Ireland, Guarantee Trust Bldg., archts. Noted June 14.

N. J., Jersey City—APARTMENT—C. Zerman, 167 Harrison St., East Orange, 5 story, basement, 117 x 129 ft., brick, steel, plain found., 252-278 Harrison Ave., separate contracts. $1,000,000. Private plans. Noted Aug. 30.

N. J., Newark—APARTMENT—H. Susser, 106 West 53rd St., Bayonne, 5 story, basement, 55 x 115 ft., brick, steel, plain found., 353-5 Roseville Ave., separate contracts. $150,000. C. Goldberg, 437 Bway., Bayonne, archt. Noted Sept. 6.

N. J., Orange — HOSPITAL — Orange Memorial Hospital, 188 South Essex Ave., 5 story, basement, brick, steel, plain found., Henry St., to Starrett Bros., 101 Park Ave., New York. Est. $500,000. Contractor soon takes bids on sub-contracts.

N. J., Red Bank — APARTMENT and SHOW ROOM—H. L. Zobel Co., Broad St., general contract 2 story, basement, brick, steel, plain found., Broad St. and Harding Rd., to L. Bonelol, Atlantic St., Long Branch. Est. $150,000. Noted July 5.

N. J., Verona (Ind. br. Montclair)—SANITARIUM, etc.—Bd. Freeholders Essex Co., Hall of Records, Newark, general contract 3 story, basement, brick, steel sanitarium, and brick, steel power house, at Essex Mt. Sanitarium to Carlson Co., Walnut St., Phila., Pa., $772,596 and $220,453 respectively; plumbing and heating, ventilating for power house, to Jaehnig & Peoples, 221 13th Ave., Newark, $29,560 and $96,260 respectively; plumbing for main building to A. M. Maddock, 234 Watchung Ave., Montclair, $84,982; heating, ventilating main building, to F. P. Farrell, 269 Camden St., Newark, $96,360; electrical work for both, to Beach Electric Co., South 16th St., Newark, $93,303. Grand total $1,[illegible]514. Noted Aug. 30.

Pa., Phila.—APARTMENT—Owner, c/o C. E. Oelschlager, archt., 1615 Spruce St., 4 story, basement, 77 x 127 ft., rein.-con., brick, steel, plain found., 15th and Wyoming Sts., to Graham Chambley Co., 3649 Filbert St. Est. $300,000.

Pa., Phila.—BANK—Southwestern Natl. Bank, Broad and South Sts., 3 story, basement, 42 x 120 ft., rein.-con., brick, steel addition, plain found., to E. H. Keefer & Son, 1321 Rodman St. Est. $150,000.

Pa., Phila.—DELIVERY STATION—Abbott Merkt & Co., Inc., archts., 175-5th Ave., New York, 2 story, basement, 100 x 305 ft., rein.-con., brick, steel, plain found., 9th and Poplar Sts., to Nelson-Pedley Co., Corn Exch. Bldg., for Strawbridge & Clothier Dpt. Store, 8th and Market Sts. Est. $300,000. Noted Aug. 23.

Ill., Chicago—DEPARTMENT STORE—A. Epstein, archt., 2001 West Pershing Rd., general contract 8 story, addition, 30,000 ft. floor space, Halsted St. and Roosevelt Rd., to L. Balkan, 1852 West Austin Ave., for Twelfth Street Store, 12th and Roosevelt Rd.

Ill., Chicago — FURNITURE WAREHOUSE—A. S. Alschuler, archt., 28 East Jackson Blvd., general contract 12 story, 80 x 200 ft., rein.-con., 1061 West 35th St., to McLennan Constr. Co., 307 North Michigan Ave., for Spiegel May Stern Co., 1001 West 35th St.

Ill., Chicago — GARAGE — Ritz-Chicago Garage Corp., 134 North La Salle St., general contract 3 story, basement, 46 x 167 ft., 5017-21 Lake Park Ave., to Callner Constr. Co., 134 North La Salle St. Est. $400,000.

Ill., Chicago — OFFICE and STORE — Holabird & Root, associated archts., 333 North Michigan Ave., general contract 25 story, 60 x 100 ft., brick, steel, stone, caisson found., to Hegeman-Harris Co., 431 North Michigan Ave., for J. M. Patterson, 431 North Michigan Ave. Est. $2,000,000. Noted Aug. 9.

Minn., Minneapolis — CLUB HOUSE — Calhoun Beach Club, Inc., S. G. Collins, pres., 203 Lincoln Bank Bldg., general contract 8 story, 127 x 231 ft., rein.-con., brick club house, incl. swimming pools, West Lake St. and Dean Blvd., to Natl. Contg. Co., 311 Metropolitan Bank Bldg. $1,000,000.

Neb., Omaha—OFFICE—See "Proposed Work."

Mo., St. Louis—STORE, OFFICE and LODGE—Grand Court Order of Calanthe of Missouri, c/o C. H. Wray, archt., Rialto Bldg., 5 story, basement, 67 x 146 ft., rein.-con., brick, stone, terra cotta, Finney Ave. and Sarah St., to Nolan-Maxwell Constr. Co., Rialto Theatre Bldg. Est. $300,000. Noted Aug. 9 under "contracts awarded."

Calif., Los Angeles—APARTMENT—H. Hersh & Associates, 8 story, basement, 80 x 130 ft., rein.-con., steel, tile, incl. 60 car garage in basement, Hillcrest and Franklin Aves., sub-contracts. $375,000. Cramer & Wise, 567 I. W. Hellman Bldg., archts.

Ont., Ottawa—OFFICE—S. E. O'Brien, secy. Dpt. P. Wks., Dominion Govt., 187 x 262 ft., brick, stone, steel, plain found., to Peter Lyall Co., 120 St. James St., Montreal, Que., $2,500,000. Noted July 19.

Ont., Toronto — APARTMENT — Price Bros., 2279 Queen St. E., 3 story, basement, 200 x 200 ft., rein.-con., brick, steel, plain found., Glenmanor Dr., day labor. $300,000.

Buildings—Educational, Religious

Proposed Work

Me., Auburn—CONVENT—Owner, c/o A. P. Dion, archt., 260 Tremont St., Boston, Mass., sketches convent. $150,000 or more.

Mass., Arlington — PARISH HOUSE — Arlington Orthodox Congregational Church, c/o Peare & Dorman, archts., 6 Beacon St., Boston, sketches 2 and 3 story, basement, brick, stone, plain found., Pleasant and Maple Sts.

Mass., Boston — NORMAL SCHOOL — Commonwealth of Massachusetts, Dpt. Educ., State House, sketches by Henry & Richmond, 12 West St., 3 story, basement, brick, stone, plain found., Brookline and Longwood Aves. $400,000.

N. Y., Brooklyn—COLLEGE—Brooklyn College Pharmacy, 265 Nostrand Ave., plans by Tooker & Marsh, 101 Park Ave., New York, 5 story, 160 x 200 ft., brick, stone, Lafayette and Nostrand Aves. $400,000. Noted July 12.

Buildings—Educational, Religious (Cont.)

N. Y., New York—SCHOOL and APARTMENT—Broarley School Ltd., G. E. Madder, pres., 60 East 61st St., plans by B. W. Morris, 101 Park Ave., 6 story, 49 x 136 ft., brick, steel, 12 East 83rd St. $600,000.

N. J., Pleasantville—HIGH SCHOOL—Bd. Educ. soon takes new bids high school. $600,000. Former bids rejected. S. H. Vaughn, Guarantee Trust Bldg., Atlantic City, archt. Noted July 26.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Ave., sketches by C. W. Wands, 309 Bloomfield Ave., Caldwell, altering and constructing 2 story, basement, brick, steel addition to Pleasantdale School, Pleasant Valley Way. $150,000.

Fla., Gainesville—CHURCH, etc.—First Methodist Church, W. F. Floyd, chn. building com., church and sunday school. $200,000.

O., Bernard—SCHOOL—J. F. Sheblessy, archt., 1202 Republic St., Cincinnati, soon lets contract 3 story, basement, rein.-con., brick, plain found., Main Ave., for Order of St. Francis, 4536 Carthage Pk. $500,000.

Okla., Tulsa—SEMINARY—Building Committee, St. John's Hospital, soon lets contract 3 story basement, 50 x 100 ft., brick, stone, concrete, plain found. $150,000. F. W. Redlick, Court Arcade Bldg., archt.

Bids Desired

Mass., Newton—SCHOOL—City, C. C. Chadwick, comr. Pub. Buildings, City Hall, taking bids 2 story, basement, brick, plain found., Parkview Ave. near Cabot St. $200,000. C. R. Greco, 11 Beacon St., archt. Noted Aug. 16.

Mass., West Springfield (br. Springfield)—CHURCH—Sept. 17, by C. C. Coveney, archt., 184 Boylston St., Boston, 1 story, basement, brick, stone, plain found. Elm St., for Church of Good Shepherd. $150,000. Noted Mar. 15.

N. Y., New York — HIGH SCHOOL — Sept. 25, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Evander Childs High School, Gun Hill Rd., Magenta St., Barnes and Bronxwood Aves., for Bd. Educ., 500 Park Ave.

N. J., Livingston—SCHOOL—Sept. 18, by Bd. Educ., Central School, general contract altering and constructing 2 story, brick, steel addition to Roosevelt School, plain found. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts. Noted June 21.

Pa., State College—CHEMICAL LABORATORY—Sept. 20, by Penn State College, 3 story, basement, 45 x 134 ft., rein.-con., steel, stone, chemical laboratory, plain found. $175,000. C. Z. Klauder, 1429 Walnut St., Phila., archt.

D. C., Wash.—SCHOOL—Sept. 19, by District Comrs., District Bldg., replacing Langdon School by constructing 16 room building, incl. combined gymnasium and assembly hall.

W. Va., Wheeling—SCHOOL—Sept. 25, by Bd. Educ., F. L. Teal, supt., 3 story, basement, brick combination auditorium and gymnasium addition to Madison School, Zane St. $160,000. F. F. Faris, 1117 Chapline St., archt.

Miss., Alcorn — ADMINISTRATION DORMITORY, etc.—Sept. 25, by Alcorn College, c/o Mississippi State Building Com., Jackson, Miss., 1 and 2 story, 46 x 100 ft. administration building, 2 and 3 story, 36 x 136 ft. dormitory, and 3 story, 107 x 165 ft. science building, all brick, tile, rein.-con. $325,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted June 28.

Miss., Oxford — DORMITORIES — Sept. 25, by University of Mississippi, c/o Mississippi State Building Com., Jackson, two 3 story, 33½ x 88 ft., and 40½ x 109 ft., brick, stone, rein.-con., plain founds. $450,000. F. P. Gates Co., Edwards Bldg., Jackson, archts.

Ind., Garrett—CHURCH—St. Peters & Pauls Catholic Church taking bids and open same about Sept. 10, 52 x 120 ft., brick, steel church. $150,000. A. M. Strauss, 415 Cal-Wayne Bldg., Ft. Wayne, archt.

Ind., Manila — SCHOOL — Sept. 25, by School Comrs., 2 story, basement, rein.-con., brick, steel, stone grade and high school. $150,000. Henkel-Hanson, Heineman Bldg., Connersville, archts.

Ind., Sheridan—SCHOOL—Sept. 24, by School Comrs., 2 story, basement, rein.-con., brick, steel, stone grade and high school. $250,000. McGuire & Shook, North Meridian St., Indianapolis, archts. Noted July 26.

Mich., Detroit—SCHOOL—Sept. 18, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, 120 x 175 ft., rein.-con., brick, steel, plain found., Belvidere Ave. $150,000. R. Carey, 603 Hoffman Bldg., archt.

Mich., Pontiac—SCHOOL—Sept. 25, by R. Hazelton, bus mgr. Bd. Educ., 2 story, basement, rein.-con., brick, steel, plain found., Longfellow site. $200,000. Childs & Smith, 720 North Michigan Ave., Chicago, Ill., archts.

Mich., Pontiac—SCHOOLS—Oct. 2, by Bd. Educ., Lincoln Junior High School, 1 and 2 story, basement, 263 x 216 x 374 ft. $400,000; also 2 story grade school $300,000, both rein.-con., brick, steel. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Sept. 6.

Mich., Owosso — HIGH SCHOOL — Bd. Educ. bids in October, 2 story, basement, rein.-con., brick, steel, stone. $400,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted July 19.

Ill., Evanston—SCHOOL—Childs & Smith, archts., 720 North Michigan Ave., Chicago, bids about Sept. 25, 2 story, brick, stone addition, Oakton St. and Ridge Ave., for Bd. Educ. $160,000. Noted May 3.

N. D., Minot—HIGH SCHOOL—Gugenhagen & Molander, archts., 305 Union Natl. Bank Bldg., bids about Sept. 20, 3 story, basement, 127 x 280 ft., rein.-con., brick, stone, for Bd. Educ. $225,000.

Mo., University (St. Louis P. O.)—HIGH SCHOOL—Bd. Educ., A. Fairbank, pres., bids in October, (1st unit) high school, 3 story, basement, rein.-con., brick, stone, terra cotta, Jackson Rd., Dorsett and Shaftsbury Sts. $550,000. Ferrand & Fitch, 6188 Delmar Blvd. and Trueblood & Graf, 1517 Chemical Bldg., St. Louis, archts. Noted June 21.

Calif., Redwood City—HIGH SCHOOL—Trustees Sequois Union High School Dist. taking bids 2 story, rein.-con. buildings. $250,000. A. I. Coffey, Phelan Bldg., archt.

Ont., Windsor — COLLEGIATE — Sept. 24, by T. R. Noble, secy. Bd. Educ., City Hall, 2 and 3 story, basement, brick, stone, incl. 20 class rooms, gymnasium, auditorium, physics, chemistry laboratories, Jocky Club Park. $500,000. Cameron & Ralston, Bartlett Bldg., archts. Noted May 3.

Contracts Awarded

Mass., Agawam — JUNIOR HIGH SCHOOL—Town, School Bd., and P. B. Johnson, archt., 1582 Main St., 3 story, basement, 65 x 140 ft., brick, stone, plain found., to W. W. Davis, 97 Bellevue Ave., Springfield. Est. $150,000.

Mass., Lynn — NURSES HOME — Lynn Hospital, H. M. Hoague, pres., 212 Boston St., 3 story, basement, 35 x 110 ft., 35 x 90 ft., and 35 x 45 ft., brick, stone, plain found., Western Ave., to C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston. Est. $150,000. Noted July 19.

N. Y., Brooklyn—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract Samuel J. Tilden High School, Beverly Rd., Tilden Ave., East 57th and 59th Sts., to T. G. Sperling Co., Church and Rogers Aves., $1,682,000; heating, to Heat Control Serv., 759 Park Pl., $219,897; plumbing, to Egan Co., Inc., $119,800; electrical work, to Berkshire Electric Co., 240 Sumner Ave., $53,200. Grand total $2,074,897. Noted July 26.

N. Y., Monroe—SCHOOL—Bd. Educ., Town Hall, general contract 3 story, basement, brick steel, plain found., to Elias Nielson Constr. Co., Inc., 132 Mohagen Ave., Middletown, $89,984. Noted Aug. 23. Plumbing and water supply, to G. M. Mitchell Co., 19th Ave., Paterson, $16,800; heating, ventilating and boilers, to G. B. and B. H. Steinke, 103 Park Ave., New York, $14,340; electrical work, to Lohman Electric Co., Central Valley, N. Y., $3,949.

N. J., Cresskill—SCHOOL—Bd. Educ., Orchard St., general contract 2 story, basement, brick, steel, to G. M. Hoeger, 353 Broad St., Leonia, $162,500. Noted Sept. 13. Plumbing, to J. F. Polmann, 581 Central Ave., Carlstadt, $11,750; heating, to Schrennel Bros., 734 South 12th St., Newark, $23,570; electrical work, to A. Hasbrouck, Jr., Inc., 240 Main St., Hackensack, $6,997. Noted Sept. 13.

N. J., Garfield—SCHOOL—St. Stanislaus Kosta Roman Catholic Church, 184 Ray St., general contract 2 story, basement, 55 x 115 ft., brick, steel, plain found., Plaza Ave. and Ray St., to Sobray Whitcomb Co., 105 West 40th St., New York. Est. $150,000. Noted May 24.

D. C., Wash.—SCHOOL—District Comrs., District Bldg., John Quincy Adams School, to Northeastern Constr. Co., Lexington Bldg., Baltimore, Md., $460,037. Noted Aug. 23.

Ind., Indianapolis—ART SCHOOL—Herron Art. Institute, 16th and Pennsylvania Sts., general contract 2 story, basement, rein.-con., brick, steel, to L. Colvin, 823 Continental Bank Bldg. Est. $150,000.

Ind., Indianapolis — CHURCH — West Michigan Methodist Church, 2136 West Michigan St., general contract 2 story, basement, brick, steel, to A. A. Dunn, 410 Buckingham Dr. Est. $150,000.

Ind., Indianapolis—CHURCH—Christian Church, general contract Olive Branch Church, 2 story, basement, brick, steel, South Pennsylvania and Raymond Sts., to Fruitt & Quackenbush, 28 West North St. Est. $150,000.

Ind., Moran—SCHOOL—School Comrs. Owen Twp., Clinton Co., 2 story, basement, rein.-con., brick, steel high and grade school, incl. assembly room, auditorium, class rooms, to L. E. Wickersham, Logansport. Est. $150,000.

Ind., Terra Haute—DORMITORY—State Normal School, general contract 4 story, 40 x 140 ft., rein.-con., brick, steel, to Adams & Sanford, 1215 South 8th St. Est. $160,000. Noted June 28.

Ind., Troy—SCHOOL—School Comrs., general contract 2 story, basement, 72 x 150 ft., rein.-con., brick, steel, incl. 4 class rooms, gymnasium, auditorium, to W. Toelle, Princeton. Est. $150,000.

Mich., Pontiac — HIGH SCHOOL — R. Hazelton, bus. mgr. Bd. Educ., general contract 2 story, basement, rein.-con., brick, steel, plain found., to O. F. Miller Constr. Co., Kalamazoo, $259,495; heating, to Ryan Plumbing & Heating Co., 403 Brady St., Davenport, Ia., $118,214. Noted June 28.

Ill., La Grange — SCHOOL — J. C. Lewellyn Co., archts., 38 South Dearborn St., Chicago, masonry and carpentry contract 2 story, basement, 60 x 170 ft. school, to B. J. Regnall, 1 South La Salle St., Chicago; plumbing, to T. E. Whitechurch, 5154 West 32nd St., Chicago; heating, to W. F. Thumn, 1130 Cornelia St., Chicago, for Bd. Educ., here. Est. $150,000. Noted July 12.

Wis., Shorewood (mail Milwaukee) — SCHOOL—School Dist. 4, masonry, concrete, cut stone and carpentry contract Science School, 2 story, basement, 99 x 159 ft., brick, tile, Atwater and Oakland Sts., to Pehrson Bros., 55 Gateway Bldg., Minneapolis, Minn. $127,800. Structural steel, to Hackendahl & Schmidt, 16th and Canal Sts., Milwaukee, $1,510; plumbing, to J. E. Robertson, 213 Wisconsin Ave., Milwaukee, $10,933; sheet metal, to Midwest Vent. Co., 249 Pittsburgh Ave., Milwaukee, $1,489; glass, to Potek Bros., 230 East Water St., Milwaukee, $1,375; electrical work, to UiDein-Ortmann Co., 160 Ogden Ave., $11,689; blackboards, to Milwaukee Blackboard Co., 57 Erie St., $1,084; marble, to Breidster Marble Co., 500-7th St., $1,075; terra cotta, to International Terra Cotta & Tile Co., 775 Humboldt Ave., Milwaukee, $1,993; tile, to Milwaukee Tile & Mosaic Co., 135 Mason St., $5,649; roofing, to F. J. A. Christiansen, 220 Northway St., North Milwaukee, $4,800.

Mo., St. Louis — CHURCH — Immanuel Baptist Congregation, E. L. Pinkerton, pastor, 5869 A Enright Ave., altering and constructing 2 story, basement, 18 x 68 ft., rein.-con., brick, stone addition, 5850 Cates Ave., to C. E. Hamilton, 502 Ambassador Bldg. Noted May 31.

Ark., Ft. Smith — AUDITORIUM and ACADEMIC—St. Scholastica Convent, general contract 4 story, basement, 60 x 240 ft., brick, stone, plain found., to Mann Constr. Co., Petroleum Bldg., Oklahoma City, Okla., $250,000. Heating and plumbing, to Hartmyer Plumbing & Heating Co., Tulsa, Okla.; wiring to Richard Electric Co., Tulsa, Okla.

Federal Government Work

Proposed Work

Maine — WHARF — Superintendent of Lighthouses, Portland, furnishing, driving piles, repairing wharf at Little Diamond Island Lighthouse Dpt., Portland Harbor.

Delaware—RADIO MASTS—Spec. 5641—Bureau Yards & Docks, Navy Dpt., Wash., D. C., radio masts at Cape Henlopen and Bethany Beach.

Mississippi — LEVEE — Mississippi River Comn., Vicksburg, preliminary plans main levee line in Mississippi River northward from Greenville.

Ind., Michigan City—DREDGING—U. S. Engineer Office, Chicago, Ill., dredging.

Michigan — ROCK REMOVAL — U. S. Engineer Office, Detroit, rejected bids July 16, rock removal St. Marys River, Course 9. Noted Aug. 2.

Tex., Fort Bliss (br. El Paso)—QUARTERS—Constructing Quartermaster, 50 sets N C O quarters at Fort Bliss.

Bids Desired

Mass., Rutland Heights—ROOT CELLAR—Sept. 25, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., root cellar addition to Building 5, U. S. Veterans' Hospital.

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Federal Government Work (Continued)

N. Y., New York — DREDGING and ROCK REMOVAL—Oct. 1, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., in East River; adv. E. N.-R. Sept. 13. Noted Aug. 30.

N. Y., New York — REPAIRING SKYLIGHT—Sept. 20, by Treas. Dpt., at office Supervising Archt., Wash., D. C., repairing east and west slopes of skylight over workroom U. S. Post Office.

N. Y., Niagara Falls—REMODELING—Sept. 28, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Custom House.

N. Y., Odgensburg—CHANGES—Oct. 1, by Treas. Dpt., at office Supervising Archt., Wash., D. C., changes in second story U. S. Post Office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Sept. 13.

N. Y., St. George — AIRWAYS LANTERNS—Sept. 26, by Superintendent of Lighthouses, Staten Island, one hundred 300-mm. acetylene airways lantern, complete, with acetylene flasher, regulator and burner, arranged for sunvalve, and suitable for mounting on standard double ended airways route acetylene beacon range lantern.

N. Y., Sunmount—REMODELING—Sept. 25, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., pipe trench, steam lines at U. S. Veterans' Hospital.

N. J., East Orange—ELEVATOR—Sept. 24, by Treas. Dpt., at office Supervising Archt., Wash., D. C., in U. S. Post Office.

N. J., Elizabeth—POST OFFICE—Oct. 5, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling and extending U. S. Post Office. J. A. Wetmore, Wash., D. C., act. superv. archt.; adv. E N.-R. Sept. 13.

Pa., Pittsburgh—LOCK GATES—Oct. 8, by U. S. Engineer Office, fabricating, delivering, erecting one upper gate and one lower gate, two leaves each, for 56 ft. lock; also upper and lower lock gates, 2 leaves each, for 110 ft. lock at Deadman's Island Ohio River; adv. E. N.-R. Sept. 13. Noted Aug. 30.

Md., Annapolis — BOILER HOUSE — Spec. 5635 — Sept. 19, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing boiler house at Naval Academy. Noted Sept. 6.

D. C., Wash.—PIPE, etc.—Sept. 17, by A. L. Flint, genl. purch. officer Panama Canal, wrought iron pipe, gate valves.

D. C., Wash. — ANTENNA TOWERS — Sept. 20, by Dpt. Commerce, Div. Supplies, 6 to thirty, 125 ft. antenna towers.

D. C., Wash. — REFRIGERATION EQUIPMENT — Sept. 20, by A. L. Flint, genl. purch. agt. Panama Canal, electric refrigeration equipment, roofing material, plate steel, yellow pine lumber and asphalt.

D. C., Wash.—NURSES QUARTERS—Oct. 5, by Constructing Quartermaster, Army Medical Center, nurses quarters; adv. E. N.-R. Sept. 13.

N. C., Fort Bragg—PAVING—Oct. 8, by Constructing Quartermaster, grading, curbing, guttering, sewers, concrete paving 4,650 sq.yd. at Fort Bragg; adv. E. N.-R. Sept. 13.

Ga., Augusta—ROADS—Sept. 25, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., roads and walks at U. S. Veterans' Hospital.

Fla., Jacksonville—DREDGING—Oct. 4, by U. S. Engineer Office, 105,900 cu.yd. Anclote River. Noted Aug. 30.

Ala., Birmingham—VAULT—Sept. 25, by Treas. Dpt., at office Supervising Archt., Wash., D. C., for U. S. Veterans' Bureau.

Ala., Tuskegee—GRADING—Sept. 25, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., at U. S. Veterans' Bureau. Noted Apr. 19.

Miss., Vicksburg—BARGES—Sept. 20, by U. S. Engineer Office, P. O. 404, 4 steel line barges; adv. E. N.-R. Sept. 13.

La., New Orleans — DREDGING — Sept. 25, by U. S. Engineer Office, Riverfront and Burdettel Sts., dredging 2,200,000 cu.yd. earthwork.

Tenn., Memphis—POST OFFICE—Oct. 9, by Treas. Dpt., at office Supervising Archt., Wash., D. C., 1 story, 69 x 137 ft. addition, Calhoun St.

Illinois—DREDGING—Oct. 5, by U. S. Engineer Office, 537 South Dearborn St., Chicago, in Illinois River; adv. E. N.-R. Sept. 13. Noted Aug. 30 under "Chicago."

Ill., Maywood—RADIO STATION—Sept. 17, by Dpt. Commerce, Div. Supplies, Wash., D. C., radio station building, on grounds U. S. Veteran's Hospital.

Minn., St. Cloud—DEEP WELL—Sept. 18, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., testing deep well and well pump at U. S. Veterans' Hospital.

Neb., Fort Crook—RADIO STATION—Sept. 17, by Dpt. Commerce Div. Supplies, Wash., D. C., radio building at Fort Crook Military Reservation; also sewer and water service connections.

Neb., Omaha—WATER PIPING—Sept. 18, by Treas. Dpt. at office Supervising Archt., Wash., D. C. installing water supply piping at U. S. Post Office, Court and Custom Houses. Noted Aug. 16.

Wash., Walla Walla — INFIRMARY — Oct. 16, by U. S. Veterans' Bureau Arlington Bldg., Wash., D. C., infirmary building, incl. roads, walks, drainage at U. S. Veterans' Hospital; adv. E.N.-R. Sept. 13.

California — Utah — ELECTRIC AIRWAYS BEACONS — Dpt. Commerce, Div. Supplies, Wash., D. C., taking bids electric airways beacons and intermediate landing field equipment on Blue Canyon-Verdi and Parran-Battle Mountain cut-off section San Francisco-Sale Lake City Airway.

Calif., Crescent City—BREAKWATER—Oct. 1, by U. S. Engineer Office, 401 Custom House, San Francisco, repairing, extending breakwater, Crescent City Harbor. Noted Aug. 23.

Calif., San Diego—CRANE—Spec. 5713—Oct. 3, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., electric bridge crane at Naval Operating Base. Noted Aug. 30.

P. R., El Cayey — REROOFING — Oct. 10, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., reroofing buildings at Naval Station.

Bids Received

N. Y., Dunkirk—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Aug. 29, post office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $97,200. Noted Aug. 2.

Pa., Pittsburgh—WARDS—Treas. Dpt., at office Supervising Archt., Wash., D. C., additional wards at U. S. Marine Hospital, from Theriault Constr. Co., 534 East Johnson St., Phila., Pa., $4,734. Noted Aug. 23.

Pa., Sayre—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 4, U. S. Post Office, from A. C. Samford, 301 Washington St., Montgomery, Ala., $70,680. Noted Aug. 9.

Del., Newark—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Aug. 31, U. S. Post Office, from A. H. Alcott, Wilmington, -$60,370. Noted Aug. 9.

Va., Elko—KITCHEN, etc.—Constructing Quartermaster, Wash., D. C., kitchen addition, heating system at lodge, U. S. Glendale Natl. Cemetery, from R. W. Gregory, $3,239.

Va., Newport News—DREDGING—U. S. Engineer Office, Norfolk, Sept. 5, channel, from Morris & Cummings, 15 Moore St., New York, at $0.288. Noted Aug. 9.

Va., Quantico—GENERATING PLANT—Spec. 5602—Bureau Yards & Docks, Navy Dpt., Wash., D. C., steam generating plant, water tube boiler, air cooled boiler settings at U. S. Marine Barracks, from M. H. Pagenhardt & Co., 2130 Locust St., Phila., Pa., $224,730. Noted Aug. 23.

Contracts Awarded

N. Y., Beacon—OUTSIDE STEAM DISTRIBUTING SYSTEM—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., outside steam distribution system at U. S. Veterans' Hospital, Castle Point, to Virginia Eng. Co., Newport News, Va., $36,-873. Noted Sept. 6.

N. Y., Olcott — SUPERSTRUCTURE — U. S. Engineer Office, Buffalo, concrete superstructure on West Pier, Olcott Harbor, to F. W. Bond, Buffalo, $19,080. Noted Aug. 9.

N. Y., Rockaway Point (sta. Brooklyn)—BULKHEAD—Spec. 5647—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing bulkhead at Naval Air Station, to Sprague Constr. Co., Arverne, $6,750 (90 days). Noted Aug. 30.

Pa., Beaver Falls — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to H. V. Kirke Co., Beaver Falls, $14,325. Noted July 26.

Va., Quantico—BUILDINGS—Spec. 5601—Bureau Yards & Docks, Navy Dpt., Wash., D. C., building at U. S. Marine Barracks, to J. A. Jones Constr. Co., Charlotte, N. C., $1,053,500. Noted Aug. 23.

Maryland — ROADS — U. S. Engineer Office, Wilmington, Del., concrete paving 3.92 mi. road north and south side Chesapeake & Delaware Canal, from Bethel and Chesapeake City, to P. D. Phillips & Bro., Salisbury, $18,590. Noted July 5.

D. C., Wash. — GUARD HOUSE — Constructing Quartermaster, Main Bldg., Walter Reed Hospital, guard house addition at Walter Reed Hospital to T. F. Jones, 924 5th St. N. E., $13,355. Noted Aug. 23.

S. C., Charleston—DREDGING—U. S. Engineer Office, in Cooper River and Town Creek, Charleston Harbor, to Atlantic Corp., Pier 2, Pratt St., Baltimore, Md., $64,350. Noted July 12.

Alabama and Georgia—DREDGING, etc.—U. S. Engineer Office, dredging and dike construction in Chattahoochie River, to Standard Dredging Co., Jacksonville, Fla., $44,000. Noted June 21.

Illinois — PILING DIKES — U. S. Engineer Office, St. Louis, Mo., at Cream Island, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., $126,345; at Boston Bar to W. P. McGeorge, Pine Bluff, Ark., $179,980. Noted Sept. 6.

Ill., Chicago—BARGE—U. S. Engineer Office, 537 Dearborn St., steel barge, to C. Hegewald & Co., New Albany, Ind., $7,780. Noted July 26.

Ill., Paxton—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Post Office, to F. R. Comb, 2113 Chicago Ave., Minneapolis, Minn., $59,950. Noted Aug. 30.

Ariz., Tuscon—BUILDINGS, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., buildings and utilities at U. S. Veterans' Hospital, to General Constr. Co., 1800 East 46th Ave., Denver, Colo., $226,-700. Noted July 26.

Calif., San Diego — STOREHOUSE — Spec. 5704—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Operating Base, to Sumner Sollitt Co., 307 Michigan Ave., Chicago, Ill., $148,300 (210 days). Noted Aug. 30.

Unclassified

Proposed Work

LIGHT and POWER DISTRIBUTION—**North Carolina**—Pub. Serv. Co., 19564 East 6th St., Cleveland, O., purchased holdings of Blowing Rock Power & Light Co., Blowing Rock, and plans system to furnish various small towns in Western North Carolina with light and power.

UNDERPASS—**Shreveport, La.**—City 36 x 600 ft. rein.-con. underpass at Market St. and Yazor & Mississippi Valley R.R. $100,-000. C. E. Barnes, City Hall, engr.

LANDING FIELD — **Detroit, Mich.** — Enlarging city airplane landing field, 95 x 100 ft., concrete, brick, steel hangar, concrete paving, Lynch and French Rds. $85,000. P. A. Fellows, City Hall, engr.

SUBWAY—**St. Louis, Mo.**—See "Buildings-Commercial."

OIL PIPE LINE, etc.—**Texas**—Sweetwater Oil & Refining Co., Sweetwater, 25 mi. 4 in. pipe line from point near Sweetwater to Noodle Creek pool $125,000; 20 mi. 4 in. pipe line from point near Noodle Creek Jones Co. to Fisher Co. $75,000; installing pumps, small tank in refinery at Sweetwater. $30,000. Private plans.

RESORT—**Del Rio, Tex.**—A. A. Balding & E. A. Elliot, resort on 2,000 acre site incl. lake golf course, airplane landing on Devils River, west of here. $100,000.

OIL REFINERY IMPROVEMENTS — **Wichita Falls, Tex.**—J. J. and M. Taxman purchased oil and gas refinery from Miller Refining Co. and plans improving same. $50,000 or more incl. equipment, machinery. Private plans.

TRANSMISSION LINE — **Oklahoma** — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, 16 mi. 23,000 volt transmission line from Maud to Little River oil fields. $40,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

LIGHTING SYSTEM—**Cherokee, Okla.**—City preliminary plans 150 "White Way" posts and 30,000 ft. armored cable. $25,000. H. G. Frizzell, Cherokee, engr.

NATURAL GAS SYSTEM—**Spiro, Okla.**—City, preliminary plans natural gas system. $30,000. Engineer not selected.

AIRPORT—**Tulsa, Okla.**—City passenger and administration buildings, hangars, mechanical shops, runways. $1,000,000. B. R. Shaw Co., 4616 Lindell Blvd., St. Louis, Mo., engrs.

NATURAL GAS SYSTEM—**Webb City, Okla.**—City natural gas system. $25,000. H. Davidson, mayor.

TELEPHONE IMPROVEMENTS—**Denver, Colo.**—Mountain States Telephone & Telegraph Co., 800 14th St., appropriated $630,700, installing dial system.

POWER LINE — **Colorado** — Pub. Serv. Co., 15th and Champa Sts., Denver, extending 65 mi. 6,600 volt, 3 phase power line from Alamosa to La Jara, Waverly and Capulin by way of Blanca and Fort Garland. T. Gray, supt.

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Unclassified (Continued)

AIRPORT—**Grand Junction, Colo.**—City field improvements, hangars, lights. T. E. Thompson, city engr.

PAVING PLANT—**Pueblo, Colo.**—New Mexico Constr. Co., V. C. Jones, paving plant, bins, mixers, West 4th St. $30,000.

LIGHTING SYSTEM—**Los Angeles, Calif.**—Los Angeles Co. ornamental lighting system in Davidson City Sect., Carson St. To exceed $30,000.

CAUSEWAY—**San Diego, Calif.**—Common Council, causeway over Mission Bay, known as A. & I. Dist. 1, incl. 166,119 cu.yd. embankment, 825,027 sq.ft. 2 in. warrenite on 6 in. concrete paving 110,377 sq.ft. 6 in. concrete paving, 2 bridges, ornamental lighting system. $633,096. P. R. Watson, engr.

ROLLING DOORS—**San Francisco, Calif.**—State Bd. of Harbor Comrs., Ferry Bldg., 112 steel rolling doors for Pier 45. F. G. White, Ferry Bldg., engr.

BATHING BEACH — **Hamilton, Ont.** — City Council improving civic bathing beach, foot of Bay St. $100,000. W. L. McFaul, City Hall, engr.

GRAVEL PLANT and WHARVES — **Hiltonbeach, Ont.** — Dominion Trap Rock Co., Bruce Mines, concrete, steel gravel plant, wharves. $300,000.

GRAIN ELEVATOR — **Wilcox, Sask.** — Munro Fowler Elevator Co. double grain elevator. $100,000.

Bids Desired

BATH HOUSE—**Babylon, N. Y.**—Sept. 20, at office Long Island State Park Comn., Belmont Lake State Park, bathhouse, supporting buildings at Jones Beach State Park, Nassau Co. A. E. Howland, ch. engr.; adv. E. N.-R. Sept. 13.

FERRY BOATS—**New York, N. Y.**—Sept. 28, by Dpt. Mental Hygiene, Capitol, Albany, 2 double end steel diesel electric ferryboats for Manhattan State Hospital, Wards Island; adv. E. N.-R. Sept. 13. Former bids rejected. Noted Sept. 6.

FERRYBOAT MACHINERY—**New York, N. Y.**—Oct. 10 (extended date), by Dpt. Mental Hygiene, Capitol, Albany, machinery for 2 double end steel diesel electric ferryboats for Manhattan State Hospital, Ward's Island; adv. E. N.-R. Sept. 13. Noted Aug. 23.

REFRIGERATION WORK — **New York, N. Y.**—Oct. 10, by Commissioner Mental Hygiene, Dpt. Mental Hygiene, Capitol, Albany, refrigeration work and equipment at New York State Psychiatric Institute and Hospital; adv. E. N.-R. Sept. 13.

STATION FINISH—**New York, N. Y.**—Sept. 25, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish on 14th, 23rd, 34th St.—Pennsylvania and 42nd St. Stations, Rapid Transit R.R. along and under Greenwich and 8th Aves. from Bank to West 48th Sts.

TRANSFORMER BUILDING, etc.—**New York, N. Y.**—Sept. 24, by S. W. Wynne, pres. Bd. Health, Dpt. Health, 505 Pearl St., altering and constructing transformer building and light and power house system additions at Riverside Hospital, North Brother Island.

SWIMMING POOL—**Rye, N. Y.**—Sept. 26, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, rein.-con., recirculating type outdoor swimming pool, at Rye Beach Amusement Park. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Sept. 13.

WHARF—**Wash., D. C.**—Sept. 26, by District Comrs., District Bldg., reconstructing District of Columbia Morgue Wharf.

CULVERT, etc.—**East St. Louis, Ill.**—Oct. 1, by East Side Levee & Sanitary Dist., Metropolitan Bldg., double 5 x 5 ft. rein.-con. culvert 113 ft. long, connected at manhole with double 72 in. corrugated pipe culvert 56 ft. long with head-wall and spillway. E. F. Harper, c/o owner, engr.

LIGHTING SYSTEM—**Stanberry, Mo.**—Sept. 25, by Bd. P. Wks., lighting system, power plant, incl. diesel engines. $30,000. Henrici-Lowry Eng. Co., 114 West 10th St., Kansas City, engrs.

GENERATING UNIT—**Saskatoon, Sask.**—Oct. 10, by City Commissioner, City Hall, 7,500 or 10,000 kw. steam turbine generating unit complete with condenser, auxiliary equipment.

Bids Received

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Sept. 7, constructing Sect. 1, Route 108, Rapid Transit R.R. along and under Jackson Ave. and Northern Blvd., from W. G. T. Constr. Co., Inc., 247 Park Ave., New York, $6,974,000. Noted Aug. 23.

Contracts Awarded

TUNNEL—**Boston, Mass.**—Jordan Marsh & Co., Summer St., concrete tunnel connecting buildings across Bedford St., to Coleman Bros., Inc., 245 State St. Est. $25,000.

LAKE HOUSE — **Albany, N. Y.** — Bd. Contr. & Supply, City Hall, lake house in Washington Park, to A. Marinello, Madison and Western Aves., $98,865. Noted Aug. 16.

FIRE ALARM SYSTEM — **Long Island City, N. Y.**—J. J. Dorman, comr. Fire Dpt., Municipal Bldg., New York, underground fire alarm system, Queens Boro, to W. K. Kenny Co., 114 5th Ave., New York, $24,-985; and to J. Sugden, 67 West 44th St., New York, $37,476. Noted Aug. 9.

FIRE ALARM SYSTEM — **New York, N. Y.**—J. J. Dorman, comr. Fire Dpt., Municipal Bldg., portion underground fire alarm system, Bronx Boro, to W. F. Kenny, 443 East 23rd St., (1) $2,903 and (2) $21,-080. Noted Aug. 9.

STATION FINISH—**New York, N. Y.**—Bd. Transportation ,J. H. Delaney, chn., 49 Lafayette St., station finish work for 145th St. station Rapid Transit R.R., to C. Meads & Co., 217 West 14th St., $215,-000. Noted Aug. 30.

TIES and TIMBER—**New York, N. Y.**—Bd. Transportaton, J. H. Delaney, chn., 49 Lafayette St., treated ties, to Eppinger & Russell Co., 11 Park Pl., $91,410; untreated ties, to Union Lumber Co., Grand Central Terminal, $34,907. Noted Aug. 30.

GRANITE FACINGS — **New York and New Jersey** — New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Administration Bldg., New York, granite facings at New York and New Jersey Plazas, Holland Tunnel, to De Riso Constr. Co., 551 5th Ave., New York, $304,000 and $354,000 respectively. Noted Sept. 13.

SWIMMING POOLS—**Minneapolis, Minn.**—See "Buildings—Commercial."

GRAIN ELEVATOR—**Hutchinson, Kan.**—L. H. Pettit Grain Co., 39 x 42 ft. grain elevator, 160 ft. high, rein.-con., to Chalmers & Borton, 720 Pioneer Trust Bldg., Kansas City, Mo.

STORAGE BINS—**Moundridge, Kan.**—Moundridge Milling Co., storage bins, incl. 4 tanks, 100 ft. high, 100,000 bu. capacity, rein.-con., to Chalmers & Borton, 720 Pioneer Trust Bldg., Kansas City, Mo. Private plans.

PIPE LINE—**Texas**—Texas Pipe Line Co. (subsidiary Texas Co., 17 Battery Pl., New York), 80 mi. 8 in. pipe line between Gray Co .and Electra, (total distance 153 mi.), to C. F. Rayle, White Deer, $1,600,000—140 mi. c.i. pipe line between point near Houston to Pt. Arthur, to Youngstown Sheet & Tube Co., Youngstown, O.—furnishing 25,000 tons 8 in. c.i. pipe for line from Kingsmill to Vernon and Wichita Falls, to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis.

GRAIN ELEVATOR—**Amarillo, Tex.**—S. A. Jones, 1008 Fisk Medical & Professional Bldg., 50 x 100 ft. grain elevator, iron, 2901 Buchanan St. $35,000. Owner builds.

GAS PIPE LINE—**Three Rivers, Tex.**—J. A. Harper, Three Rivers, 2 in. gas pipe line from gas well northeast of here to glass factory. $25,000. Owner builds. Private plans.

SUBWAY—**Toronto, Ont.**—Toronto Terminals Ry. Co., New Union Sta., J. W. R. Ambrose, engr., rein.-con., steel subway, foot of Yonge St., to Nelson River Constr. Co., 124 Pears Ave. Est. $250,000.

COALING PLANT—**Windsor, Ont.** — Canadian Pacific Ry., Montreal, Que., J. M. R. Fairbairn, ch. engr., general contract coaling plant, 67 ft. high, concrete, brick, to Ernest Clark Ltd., 200 Banwell St. Est. $40,000.

Materials

Proposed Work

CAST IRON PIPE, etc.—**Amarillo, Tex.**—City soon takes new bids 1,200 ft. 16 ft. lengths 6 in. c.i. pipe, 4 tons 6 and 8 in. fittings. Former bids rejected. H. B. Jones, City Hall, engr.

PIPE—**Monterey Park, Calif.**—City purchasing 2,700 ft. 8 in. Class 150 centrifugal c.i. pipe or equal. A. W. Langley, city clk.

Bids Desired

CORPORATION COCKS, etc. — **New York, N. Y.**—Sept. 19, by P. J. Dooling, comr. Purchase, Municipal Bldg., corporation cocks, hydrant parts to Dpt. Water Supply, Gas & Electricity.

LUMBER, etc.—**New York, N. Y.**—Sept. 17, by P. J. Dooling, comr. Purchase, Municipal Bldg., lumber and wood paving blocks to Dpt. Parks, Plant & Structures. Water Supply, Gas & Electricity, and Police Dpts.

PORTLAND CEMENT, etc. — **Long Island City, N. Y.**—Sept. 19, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 4,000 bags portland cement; 60,000 gal. asphaltic macadam binder.

ROOFING MATERIALS — **New York, N. Y.**—Sept. 14, by P. J. Dooling, comr. Water Supply, Gas & Electricity, Municipal Bldg., roofing and building materials to Dpts. Correction, Parks, Plant & Structures and Police.

PORTLAND CEMENT, etc.—**Cocoa, Fla.**—Sept. 21, by Comrs. Brevard Co., 275 bbl. portland cement; 12,000 lb. reinforcing; 3,268 lb. special lengths reinforcing; 135 cu.yd. washed rock; 95 cu.yd. sand; 38 window guards; 12 sects. bunks of 4 bunks each; metal partition, f.o.b. Titusville. C. R. Copeland, chn.

CABLE—**Chicago, Ill.**—Sept. 20, by M. J. O'Brien, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., lead covered cable; adv. E. N.-R. Sept. 13.

PUMP, etc.—**Maud, Okla.**—Mayor and City Council in market 50 g.p.m. deep well pump, 10 hp. motor.

WATER METERS and BOXES — **Norman, Okla.**—Mayor and Council in market one hundred twenty-five ⅝ in. water meters and boxes.

HYDRATED LIME — **Oklahoma City, Okla.** — Mayor and City Council in market 1,200 tons hydrated lime. M. Peshek, city clk.

WATER METERS, etc.—**Perry, Okla.**—Mayor and City Council in market fifty ⅝ in. water meters and boxes.

WATER METERS—**Prague, Okla.**—H. W. Hartman, mayor, and City Council in market fifty ⅝-in. water meters.

WATER METERS — **Quinton, Okla.** — Mayor and City Council in market one hundred ⅝ in. water meters.

WATER METERS, etc.—**Seminole, Okla.**—Mayor and City Council in market one hundred ⅝ in. water meters and boxes. P. Noe, city clk.

WATER METERS — **Temple, Okla.** — Mayor and Council in market fifty ⅝ in water meters.

Contracts Awarded

BINDER STONE—**Brooklyn, N. Y.**—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 6,000 cu.yd. binder stone, to New York Trap Rock Co., 250 Park Ave., New York, $11,640; 10,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., $10,000; 6,000 cu.yd. steam cinders, to M. F. Hickey Co., foot 6th St., $8,220 6,500 bbl. portland cement to Quality Builders Contg. Co., 200 3rd Ave., $15,990; and 4,500 cu.yd. broken stone, to Colgan Contg. Co., 90 William St., New York, $6,830. Grand total $52,-680. Noted Aug. 9.

MINERAL AGGREGATE, etc. — **Long Island City, N. Y.** — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 500 cu.yd. mineral aggregate, to Hunterspoint Lumber & Supply Co., Anable Ave., $1,275; 50,000 gal. asphaltic macadam binder, to Standard Oil Co., 20 Bway., New York, $3,160. Noted Sept. 6.

STEAM ASHES—**Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 8,000 tons steam ashes in scows at Dock Asphalt Plant 1, Flushing, to Moran Bros. Contg. Co., 17 Batetry Pl., New York, at $1.75 per ton, total $14,600. Noted Aug. 9.

PORTLAND CEMENT—**New York, N. Y.**—J. Miller, pres. Manhattan Boro, Municipal Bldg., 15,000 bags portland cement, to P. Sammone, 1358 Brook Ave., $9,225; 2,000 cu.yd. concrete and paving sand, to Ames & Carroll, 344 Kingsbridge Rd., $2,800. Noted Sept. 6.

CAST IRON PIPE—**Chicago, Ill.**—City, City Hall, 1,920 tons 8 and 12 in. water pipe f.o.b. cars various pipe yards, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., at $41.90 per ton. Noted Aug. 24.

Foreign

Brazil, Bahia — Electric Bond & Share Co., 2 Rector St., New York, N. Y. (Emprezas Electricas Brasileiras and American Foreign Power Co.) plans automatic telephone system, throughout city; hydro-electric plant on Paraguassu River; two traffic elevators to link together two transportation systems.

South Africa—W. L. Kilcoin, assistant trade comr., Johannesburg, reports plans improving roads, bridges and causeways in Transvaal. £470,000.

See proposal advertising on page 183

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UNIT PRICES

Dam—Youngstown, Ohio

Nineteen bids were opened by Board of Directors of Mahoning Valley Sanitary District, 901 City Bank Bldg., June 12, for Mineral Ridge Dam and appurtenant work, Contract No. 6. Dam is part of system of works for furnishing public water supply to Youngstown and Niles. Includes earth dam with concrete corewall and concrete spillway section across valley of Meander Creek in Weathersfield Township, Trumbull County, at point about 2 mi. south of center of city of Niles, together with access road and other appurtenant work. Involves about 170,000 cu.yd. embankment and 50,000 cu.yd. concrete masonry. Unit prices of lowest six and highest bidders, together with average unit prices are given below. Bidders: (A) A. Guthrie & Co., Inc., Builders' Exchange, St. Paul, Minn., (awarded contract); (B) R. C. Huffman Construction Co., Elyria; (C) Fegles Construction Co., Ltd., 529 South 7th St., Minneapolis; (D) Pittsburgh Foundation Co., Keystone Bldg., Pittsburgh; (E) A. Phelps & Sons, 5151 Braden St., Detroit; (F) L. E. Meyers Co., Monadnock Bldg., Chicago; (G) W. J. Schirmer Co., 1720 Euclid Ave., Cleveland. W. H. Dittoe, chief engineer; G. Gale Dixon, deputy chief engineer.

	A	B	C	D	E	F	G	Unit Prices Average of 6 Lower Bids	Unit Prices All Except High Bid
Stream control and pumping (lump sum)	$28,500.00	$7,500.00	$18711.00	$3,050.00	$16,200.00	$14,699.00	$20,000.00	$14,776.67	$17,568.33
Clearing and grubbing (lump sum)	1,000.00	6,500.00	2,743.00	1,500.00	5,000.00	2,000.00	10,000.00	3,123.83	4,516.83
8,600 cu.yd. removal of topsoil	.35	.50	.88	.65	.60	.50	1.00	.58	.80
180,000 cu.yd. earth excavation in open cut	.29	.40	.555	.62	.60	.60	1.70	.51	.61
6,300 cu.yd. earth excavation in trench —0 to 10 ft. deep	1.50	.60	1.215	.80	1.55	.70	1.00	1.06	1.29
2,400 cu.yd. earth excavation in trench —10 to 20 ft. deep	2.00	1.10	2.54	1.40	3.00	2.00	1.20	2.01	2.08
1,400 cu.yd. earth excavation in trench —20 to 30 ft. deep	2.50	2.00	3.04	3.00	6.00	3.00	2.00	3.26	3.32
300 cu.yd. earth excavation in trench —over 30 feet deep	3.50	5.00	2.81	5.00	15.00	5.00	5.00	6.05	5.73
7,000 cu.yd. rock excav. in open cut	1.75	1.50	3.13	1.80	4.00	2.00	2.00	2.36	2.86
2,300 cu.yd. rock excav. in cut-off and core-wall trench	3.50	3.50	5.47	2.50	17.00	5.50	3.00	6.25	6.74
2,800 cu.yd. rock excav. in trench for raw water conduit	3.50	2.50	2.87	3.00	7.00	5.50	4.00	4.06	4.32
50 M. ft. B.M. sheeting and bracing left in place	50.00	60.00	56.14	25.00	35.00	50.00	50.00	46.02	56.90
66,000 cu.yd. forming embankment for earth dam	.29	.52	.137	.15	.10	.20	1.10	.233	.302
7,200 cu.yd. forming embankment for roads	.29	.35	.35	.20	.015	.20	1.00	.234	.290
5,600 cu.yd. placing loam	1.00	.50	1.25	.20	.20	1.50	1.00	.78	.98
5 acre seeding	300.00	100.00	218.20	350.00	100.00	50.00	500.00	186.37	181.84
18,000 sq.ft. steel sheet piling	1.20	2.05	1.22	1.90	1.50	1.56	1.50	1.57	1.57
69,000 bbl. portland cement	2.04	2.15	2.64	2.25	3.22	2.52	3.00	2.47	2.51
28,000 cu.yd. conc. masonry—in spillway and abutment walls	7.00	6.70	5.19	8.10	5.60	7.22	9.50	6.64	7.81
3,000 cu.yd. conc. masonry—in gate house	7.00	15.00	7.90	8.25	6.33	9.20	11.74	8.95	10.20
3,400 cu.yd. conc. masonry—in apron	7.00	7.00	5.61	8.10	4.50	7.52	11.74	6.62	7.61
15,700 cu.yd. conc. masonry—in core wall	7.60	7.50	7.09	8.10	5.60	9.71	14.10	7.60	9.13
510 cu.yd. conc. masonry—casing of 88 in. steel pipe	10.00	14.50	11.16	8.75	6.60	7.90	15.50	9.82	10.09
80 cu.yd. reinf. conc.	12.00	25.00	19.10	11.00	30.00	19.25	16.50	19.39	23.40
170 cu.yd. miscellaneous plain conc.	10.00	8.00	26.36	11.00	24.00	9.35	15.50	14.79	15.05
80,000 lb. steel reinforcement	.04	.045	.04	.045	.045	.065	.035	.047	.047
70 cu.yd. rubble masonry wall and pylons	20.00	12.00	31.17	15.00	15.00	19.70	108.00	18.81	19.77
15,500 sq.yd. stone slope paving	3.30	1.50	3.23	4.40	3.50	5.00	13.50	3.49	4.15
350 sq.yd. gutter paving	3.30	1.50	3.12	1.25	1.90	5.00	13.50	2.68	3.05
4,000 cu.yd. rip-rap	2.00	2.50	6.36	7.30	1.90	5.00	10.90	4.18	5.30
4,000 cu.yd. screened gravel backing	3.00	2.50	3.32	3.00	2.00	3.50	5.00	2.89	3.07
7,500 lin.ft. drilling holes in rock or masonry	.50	.65	1.06	.10	1.00	2.82	2.00	1.02	1.22
4,500 lin.ft. grout pipe	.50	.40	.31	.25	.65	.52	2.00	.44	.52
500 cu.yd. grout	16.00	16.00	11.60	3.50	30.00	6.98	25.00	14.01	14.13
11,100 sq.yd. water-bound macadam road surfacing	1.00	1.40	1.01	.85	1.33	1.35	2.10	1.16	1.38
4,900 sq.yd. bituminous macadam road surfacing	1.20	1.80	2.48	.90	2.65	2.20	2.50	1.87	2.19
5,800 lin.ft. wire-rope guard rail	.60	.60	.76	.85	.40	.43	1.50	.61	.86
250 lin.ft. 3 in. W. I. pipe railing	2.00	2.80	4.62	3.00	3.00	6.00	3.00	3.57	3.16
2 in. W. I. pipe railing (lump sum)	250.00	750.00	185.00	500.00	703.00	949.19	585.00	639.53	598.23
548 lin.ft. 88 in. steel plate pipe	22.00	20.60	25.73	26.00	28.75	28.19	21.00	25.21	27.01
12,000 sq.ft. mortar lining for steel pipe	.60	.25	.62	.35	.60	.66	.30	.51	.51

Engineering News-Record, Issue of September 13, 1928

(*Concluded on page 148a*)

UNIT PRICES Continued on Page 148a

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hydro-electric development, Clarksville, Va., Roanoke River Power Co., c/o Viele, Blackwell & Buck, New York, survey engrs., $10,000,000.

Natural gas line, Texas, Moody-Seagraves Co. & Associates Houston, $7,000,000.

Waterworks, California, California Water Service Co. (subsidiary of Federal Water Service Corp., New York), $6,500,000.

Hotel, Wash., D. C., Owner, c/o M. B. Lepley, archt., $6,000,000.

Hydro-electric development, Virginia and North Carolina Virginia Carolina Power Co., (subsidiary Virginia Electric & Power Co., Richmond, Va.), $4,000,000.

Bids Desired

Seminary, New York, N. Y., S. F. Ross archt., takes bids about Oct. 1, for owners, $1,200,000.

Factories, Tonawanda, N. Y., Curtiss Aeroplanes & Motor Co., bids about Oct. 1, $1,000,000.

Apartment, Chicago, Ill., B. L. Steif & Co., archts. taking bids for Syndicate, $1,000,000.

Bids Received

Subway, New York, N. Y., Bd. Transportation, J. H. Delaney, chn., Sept. 14, Sect. 3, Route 106 from Clemente Contg. Co., $4,812,000.

Barracks, Governors Island, N. Y., Constructing Quartermaster, Sept. 14, from J. McWilliams, New York, $1,186,520.

Contracts Awarded

Railways, Texas, Waco, Beaumont, Trinity & Sabine Ry. Co., Trinity, general contract to Foundation Co., New York, est. $9,738,642.

Subway, New York, N. Y., Bd. Transportation, J. H. Delaney, chn., Sect. 2, Route 106, to La Rocca Constr. Co., New York, $5,922,330.

Excavation, etc., Pharr, Tex., Hidalgo Co. Water Impvt. Dist. 2, owner builds, $3,000,000.

Subway, Brooklyn, N. Y., Bd. Transportation, J. H. Delaney, chn., New York, Sect. 5-B, Route 109, to Cornell Constr. Co., New York, $2,942,884.

Hotel, Phila., Pa., Blackstone Hotel Co., to F. V. Warren Co., est. $2,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 156.

Electrical power plant, New York, N. Y., New York Edison Co., to Ken Weil Constr. Co., total est. $1,850,000.

Gas pipe line, etc., Arkansas, Arkansas Natural Gas Co., Shreveport, La., to Boothe & Flinn, Pittsburgh, Pa., $1,750,000.

Roads, Seattle, Wash., Bd. P. Wks., to George Nelson & Co., $1,516,974.

Bank and office, New Orleans, La., M. H. Goldstein, archt., general contract to G. J. Glover Co. Inc., $1,409,975.

Cracking plant, etc., Port Aransas, Tex., Humble Oil & Refinery Co., Aransas Pass, by own forces, $1,400,000.

Apartment, New York, N. Y., Two Hundred Twenty Five West 71st Street Corp., separate contracts, $1,300,000.

Hotel, New York, N. Y., West 49th Street Constr. Corp., separate contracts, $1,250,000.

Hospital, Waltham, Mass., Commonwealth of Massachusetts, Dpt. Mental Diseases, Boston to Matthew Cummings Co., Boston and others totaling $1,000,604.

Court house, New City, N. Y., Bd. Supervs. Rockland Co., to C. T. Wills, New York, est. $1,000,000.

Apartment, Ardmore, Pa., Syndicate to A. H. Winters, Phila., est. $1,000,000.

Apartment, New York, N. Y., Three Hundred Two East 79th St. Corp., separate contracts, $1,000,000.

Hotel, Ft. Worth, Tex., C. O. O'Keefe superstructure to Bellows-Maclay Constr. Co., Dallas, est. $1,000,000.

Warehouse, Akron, O., B. F. Goodrich Co., to Carmichael Constr. Co., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Jersey City—Bd. City Comrs., City Hall, preliminary plans mains in North Arlington, Charlotte and Baldwin Aves. $25,500. C. A. Van Keuren, city engr.

N. J., Mountainside (mail Westfield)—Boro Council, Boro Hall, 6 in. water and gas mains in Springfield Rd. and Central Ave. $24,000. C. W. Collins, 130 West Broad St., Westfield, boro engr.

N. J., Saddle River—Twp. Comn., Lincoln School, preliminary plans mains in South St., Bella Vista, Rosedale, Claremont and Central Aves.; gas mains in Market and Mayhill Sts. $15,000. A. Noack, 236 Main St., Hackensack, boro engr.

Ia., Cedar Rapids—Continuing, Cedar River as water supply, erecting new filtration plant, pumping station, 3 mi. 24 in. mains. Probably call election in fall, $550,000 bonds. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., consult. engrs. This corrects report in Sept. 6 issue.

Tex., Archer City—Improving waterworks, incl. 8,975 lin.ft. 6 in. c.i. pipe, relaying 2,175 ft. old pipe, 3,050 ft. 8 in. c.i. force main, 21 fire hydrants, gate valves, wet connections, 150,000 gal. filter chlorinator, 100,000 gal. elevated storage tank, 500 g.p.m. pump and motor, new pumping plant. $409,000. Montgomery & Ward, Harvey-Snider Bldg., Wichita Falls, engrs. Noted Aug. 9.

Tex., Detroit—Waterworks. $30,000. Address Mayor.

Tex., San Antonio—B. G. Irish, 401 Navarro St., distributing system, incl. 4 in. mains, some laterals in sub-division on South Side, $20,000 (mostly materials) in 152 acre sub-division on North Side, $20,000 (mostly pipe). Private plans. Noted Mar. 8 under "Unclassified."

Okla., Altus—Preliminary plans settling basin at filter plant. $20,000. J. C. Chisum, Altus, engr.

Okla., Butler—Waterworks extensions. $15,000. Milliken & Whiteneck, Southwest Natl. Bank Bldg., Oklahoma City, engrs. Noted June 21.

Okla., Hennessey—Preliminary plans extending 11,100 ft. 4 and 6 in. mains. $17,500. Engineer not selected.

Okla., Loveland—Preliminary plans new dam for waterworks. $15,000. D. E. Powell, Frederick, engr.

Okla., Nardin—Waterworks. $20,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

Okla., Okmulgee—Preliminary plans extending 20,500 ft. 8 and 12 in. mains. $40,000. W. C. Halleck, city engr.

Okla., Stroud—Preliminary plans water softening plant, $20,000, Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Terral—Surveys waterworks. Milliken & Whiteck, Southwest Natl. Bank Bldg., Oklahoma City, engrs.

Okla., Thackerville—Preliminary plans new waterworks. $16,000. Engineer not selected.

Okla., Wyandotte—Preliminary plans waterworks. $20,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

California—California Water Service Co., (subsidiary Federal Water Service Corp., 27 William St., New York), 22,000 acre ft. reservoir, 31 mi. pipe line to supply industrial water to plants in Solano and Contra Costa Counties. $6,500,000. Application filed with the Div. Water Rights for diversion of water from Sacramento River.

Calif., Los Angeles—Los Angeles Co. 3- to 12-in. c.i. mains in A. and I. 125, Electric St. To exceed $40,000.

Bids Desired

Mass., Cambridge (br. Boston)—City, Water Bd., J. J. Scully, chn., Water Bd., taking bids on revised plans 1 story, brick pumping station, plain found., Lake View Ave. and Worthington St. $100,000. Former bids rejected. E. T. P. Graham, 171 Newbury St., Boston, archts.

N. Y., New York—Sept. 25, by J. J. Dietz, comr. Water Supply Gas & Electricity, Municipal Bldg., mains in 8th Ave.

N. J., Fairlawn—Sept. 25, by Mayor and City Council, old Fair Lawn School, wells, pumping and electrical equipment. Former bids rejected. McClave & McClave, Cliffside, boro engrs.; adv. E. N.-R. Sept. 20. Noted July 19.

Pa., Phila.—Sept. 27, by Dpt. P. Wks., Bureau of Water, plumbing at Torresdale Pumping Station, Contr. 940; heating system at Queen Lane Pumping Station, Contr. 941; grating floor for Lardner Point Pumping Station, Contr. 942.

Tex., Eden—Sept. 26, by City, c/o Secretary, complete waterworks, incl. tank and tower. J. S. Barlow, 28 Wilson Bldg., Dallas, engr. Noted Sept. 20.

Tex., Mt. Vernon—Sept. 26, by W. J. Moore, mayor, improving waterworks, incl. pump house, machinery, and 50,000 gal. concrete reservoir. Ward & Montgomery, Wichita Falls, engrs. Noted June 7.

Okla., Mangum—Oct. 2, by W. C. Roberts, city clk., new water softening plant, incl. 300 g.p.m. motor driven centrifugal pumps. $40,000. E. W. Gantt, Continental Bldg., Oklahoma City, engr. Noted July 12.

Contracts Awarded

New York—Bd. Water Supply, Gas & Electricity, Municipal Bldg., New York, test borings in towns of Wawarsing and Gardiner, Ulster Co. and Fishkill, Dutchess Co., to Sprague & Henwood, Inc., Scranton, Pa., $14,363. Noted Sept. 6.

See proposal advertising on page 120

Constr. News page 149

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Laid 10 miles of water main—and satisfactory in every particular!

—said a waterworks engineer of national reputation, referring to this installation

Here is the story:—

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

Lead Joints	$155,631
LEADITE Joints	142,535
Difference	$ 13,096
Saving in favor of **LEADITE**	8.4%

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

Specifications required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

Specify and use **LEADITE** It saves at least **75%**

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

N. J., Fair Lawn—Mayor and Bd. Council, Fair Lawn School, elevated steel tank, to Pittsburgh Des Moines Steel Co., 50 Church St., New York, $28,590; water distributing system, to Orange Eng. Co., 77 South Center St., Orange, $225,223; pumping station, to Binallo Bros., 270 Lawrence Ave., Hasbrouck Heights, $50,300. Grand total $304,113. Noted July 19.

N. J., Newark—Bd. City Comrs., City Hall, 6- to 16-in. mains, to T. Tenore, 2 Revere Ave., Hilton, $48,646.

N. C., Greensboro—Mayor and City Bd., 18 m.g. concrete clear water reservoir, to R. G. Lassiter & Co., Greensboro, $171,610; concrete bridge, to Seaboard & Southern Constr. Co., Jacksonville, Fla., $35,053. Noted Sept. 6.

Fla., Boca Raton—Mayor and Bd. Town Comrs., Town Hall, pumping station, to C. R. Donathan, 1037 Northeast 91st St., Miami, $48,000. Noted July 26.

O., Cleveland—Comrs. Cuyahoga Co., 5,200 ft. 6 and 8 in. c.i. mains in Impvt. 766, to E. P. Langenhan Co., Marshall Bldg., $11,452; 5,500 ft. 6 and 12 in. Impvt. 361, to W. P. Burkhardt, 3905 West 20th St., $19,456.

Kan., Centralia—W. R. Wolff, city clk., tank on tower to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., $6,000; 33,156 ft. 4- to 8-in. c.i. pipe lines, to R. Knox, Centralia, $25,000. Est. $43,000.

Tex., Boerne—For 25,000 ft. c.i. pipe, to G. Brombaugh Jr. & Co., 214 Crockett St., $16,529; pipe, to McWane Cast Iron Pipe Co., 3700 11th Ave. N., Birmingham, Ala., $17,403; hydrants and valves, to J. Garrity, representing Columbian Iron Wks., 2501 Chestnut St., Chattanooga, Tenn., $2,128; steel tank, to J. Garrity, representing Chattanooga Boiler & Tank Co., 1101 East Main St., Chattanooga, Tenn., $5,798. Grand total $41,858. Noted July 19.

Tex., McCamey—City, c/o F. E. Gibbons, mayor, extending waterworks, incl. 8 in. Class 159 Delavaud c.i. pipe with leadite joints, reservoir, pump house, pumpers, 50 h.p. Fairbanks Morse motor and pump, to Henry & Holland, Inc., McCamey, $71,934.

Okla., Henryetta—New 3 m.g.p.d. purification plant, to G. M. Brown, McAlester, $78,750. Est. $90,000.

Okla., Locust Grove—New waterworks, incl. 15,000 ft. 2- to 6-in. c.i. pipe, triplex pumps, to A. T. Hogle, Muskogee, $23,117. Est. $25,000. Noted Aug. 9.

Wash., Elma—For 500,000 gal. steel tank, to Chicago Bridge & Iron Wks., L. C. Smith Bldg., Seattle, $11,480; pumping plant complete, to Western Eng. Corp., 301 West Spokane St., Seattle $9,743. Est. $25,000. Noted July 26.

Wash., Tacoma—City Council, 6,917 ft. 32 in. steel mains in East 11th St., to Birchfield Boiler Co., Tacoma, $35,647. Noted Sept. 6.

Ont., Scarboro—Municipal Council, filtration plant addition, to R. H. MacGregor, 261 Donlands Ave., Toronto, $40,000. Noted July 12.

Sewers

Proposed Work

N. Y., Syracuse—Intercepting Sewer Bd. 10 mi. Ley Creek Intercepting Sewer. Est. exceeds $1,000,000. G. D. Holmes, ch. engr.

N. J., Union—Twp. Com. preliminary plans sewerage system in Vaux-Hall Sect. $25,000.

La., Eunice — Preliminary plans 12 mi. sanitary sewers. $80,000.

O., Warren—Bd. Control bids in Spring, sewerage system. $300,000.

Ill., Alton—Sewerage system in Upper Shields Valley Sanitary Dist. $39,461. J. E. Schwaab, City Hall, engr. Noted Nov. 3, 1927.

Ia., Cedar Rapids—Sewage disposal plant. $40,000. H. R. Green Co., Bever Bldg., engrs.

Neb., Paxton—Preliminary plans sanitary sewerage system. $50,000. Engineer not selected. F. E. Pease, city clk.

Mont., Polson — Sewage disposal plant, incl. septic tank. $40,000. F. Faucett, Polson, engr.

Mo., Wellston—See "Unclassified."

Ark., Arkadelphia — Preliminary plans sanitary sewers for all outlying sections city.

Tex., San Antonio—B. G. Irish, 401 Navarro St., sewerage system in 152 acre sub-division, North Side $40,000; and in sub-division on South Side, $40,000. Private plans. Noted Mar. 8 under "Unclassified."

Okla., Chandler—Extending 12,000 ft. sanitary sewers in Dist. 8, $30,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

Okla., Choteau—Preliminary plans sanitary sewerage system. $30,000. Engineer not selected.

Okla., Clinton—Extending 16,100 ft. sanitary sewers in Dist. 19. $35,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

Okla., Enid—City University Pumping Station. $34,000. F. C. Magruder, Enid, engr.

Okla., Hydro—Sanitary sewerage system, disposal plant, $28,000. Coon & McKinnon, Guthrie, engrs.

Okla., Tishomingo — Preliminary plans sanitary sewerage system. $40,000. E. W. Gantt Co., 1116 West Main St., Oklahoma City, engrs.

Ore., Salem—Sewerage system. $500,000. Cupper, Sansom & Cooper, Salem, engrs.

Bids Desired

Mass., Westfield—Sept. 21, by Dpt. Pub. Health, Boston, new sewers, sewerage connections, manholes, sewerage system in State Sanatorium. $25,000.

N. Y., Brooklyn — Sept. 26, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Avenue S, East 56th and West 9th Sts.

N. Y., Long Island City—Sept. 27, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in bulkhead line Jamaica Bay to Rockaway Beach Blvd.; Rockaway Beach Blvd, Newport and Cronston Aves., Beach 136th St.

N. Y., Mamaroneck—Sept. 25, by Town Bd., at office F. M. Sherman, town clk., 6 Elm St., storm water drainage system. A. J. Foote, Hillside Arcade, Larchmont, civil engr.; adv. E. N.-R. Sept. 20.

N. Y., St. George — Sept. 26, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Fox Beach and Hunter Aves.

N. J., Lyndhurst (br. Rutherford)—Sept. 24, by Bd. Town Comrs., Town Hall, rein.-con. sewer from Chase to Kingsland Aves., $55,000; New York and Delafield Aves., $40,000. T. F. Bowe, Association Bldg., East Rutherford, engr. Noted Sept. 13.

N. J., Union—Sept. 24, by Twp. Com., Town Hall, 46,080 lin.ft. 8- to 24-in. concrete and 2,190 lin.ft. 24 in. c.i. sewers in Stuyvesant Ave. $100,000. H. Kreh, Falls Bldg., twp. engr.

Md., Baltimore—Sept. 26, by Bd. Awards, sewer inlet and similar iron castings, Contr. 72; vitr. terra cotta sewer pipe, material Contr. 73. M. J. Ruark, sewerage engr.

Ill., Chicago—Sept. 25, by City, at office Bd. Local Impvts., City Hall, sewer drains in 22 streets and avenues. M. J. Faherty, pres.

Minn., White Bear—Oct. 1, by R. Bloom, city clk., 6,275 ft. 8- to 15-in. sewers in Div. A; reconstructing 7,348 ft. 8- to 18-in. sewers in Div. B. $25,000. Pillsbury Eng. Co., 2344 Nicollet Bldg., Minneapolis, engrs.

S. D., Highmore — Oct. 1, by T. H. J. Studt, city aud., 17,000 ft. 8- to 12-in. sewers. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Tex., Mt. Vernon — Sept. 26, by W. J. Moore, mayor, 36,000 ft. sewerage system, sewage treatment plant. Montgomery & Ward, Wichita Falls, engrs. Noted June 7.

Okla., Enid — Sept. 26, by F. E. Buckminster, city clk., 3,800 ft. 24 and 36 in. concrete sewer in Park St. $29,160. F. C. Magruder, Enid, engr.

Okla., Tulsa—Sept. 25, by F. P. Ketchen, city aud. 1,770 ft. 120 in. rein.-con. storm sewers in Katy, Railroad and Rosedale Sts. $111,000. B. M. Hart, City Hall, engr.

Okla., Weatherford — Sept. 28, by R. Dickerson, city clk., 13,500 ft. 8- to 18-in. vitr. clay outfall sewers, disposal plant. $45,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 13.

Calif., Los Angeles — Sept. 26, by T. Oughton, city purch. agt., appurtenances for sewerage drum screens, 20 hp. induction motors, and starting compensators, bucket elevators for drum screens, sewage drum screens, bronze split sleeve bearings, spur gears and pinions for Hyperion Sewage Pumping Plant.

Calif., San Rafael — E. W. Smith, city clk., taking bids pumping plant, outfall sewer.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro (**e.e. means engineers estimate**), sewer in Church Ave., to P. Tomassetti Contg. Co., 1133 60th St., 73.35% e.e. $45,917; Lenox Rd., to Del Mel Constr. Co., 7624 15th Ave. $73.50% e.e. $4,182; East 52nd St., to B. Peconi & Son, 570 18th Ave., 79% e.e. $3,451; Duryea Pl., to R. F. Iovino, 678 Glenmore Ave., 87% $325. Noted Aug. 2.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewer in Ely Ave., to J. Gallo Co., 35-10 Bway., Brooklyn, $88,925; 21st Ave., to Lione Constr. Co., $1,833; 50th St., to A. Mannano, 263 86th St., $2,280; 62nd St. and Bayside Ave., to J. D. Walsh Co., 132 4th St., Brooklyn, $21,348 and $714 respectively; 70th St., to J. H. Johnson Co., 37 Brittin Ave., Elmhurst, $23,335; 102nd Ave., to D. A. Gross, 9515 Fulton St., Woodhaven, $1,436, 50th St., to A. W. Matarazzo, 1163 6th St., Brooklyn, $34,393. Grand total $174,464. Noted Sept. 6.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewer in Pelham Parkway, S., to G. Kingston, 1614 Williamsbridge Rd., $18,639; Brunner Ave., to Anita Constr. Co., 440 East 204th St., $8,472. Noted Aug. 9.

N. J., Newark—For Bway. and Oriental St. Relief Sewer, to P. D'Amato, 676 Bway., $44,800. Noted

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, to O'Neill Co., 127 East Mermaid Lane, branch sewer in Bennington St. $20,090, Cedarbrook Ave. $9,568, Chelten Ave. $33,323, Herman St. $4,197, Luzerne St. $12,404, Pickering Ave. $10,270, Vernon Rd. $13,065, main sewer in Butler St. $41,319; to A. Perna & Son, 752 South 10th St., branch sewer in Fayette St. $7,674; to S. Vallone & Co., 2008 McKean St., $57th St. $1,376; to A. Corrado, 5920 Magnolia Ave., Kingsley St. $22,410; to J. T. McDonnell & Co., 2313 South Front St., Magee Ave. $12,594; to A. Frunzi, 513 High St., Monastery Ave. $25,408; to McCoal Constr. Co., 5033 Duffield Ave., Richmond St. $4,000; to E. Venitres Co., 6016 Ross St., 17th St. $651; to Vattiero & Pontarelli, 523 Rising Sun Ave., 65th Ave. and 9th St. $10,969; to A. Vittorio & Co., 423 High St., Thorps Ave. $15,421, to A. DiSandro & Son, 6400 North 5th St., Walker St. $17,844; to P. and A. J. Ellis, 4th and Wyoming Sts., main sewer in Salmon, Schiller and Gaul Sts. $40,912. Grand total $303,495. Noted Aug. 23.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, Upper Delaware Collecting and Pennypack Creek Intercepting Sewer, to Yetman & Garofola, Lincoln Bldg., $260,390.

Pa., Pittsburgh—City Controller, City-County Bldg., section 23rd Street Sewer, to M. Manella, 224 South Atlantic Ave., $236,073.

Mich., Allen Park—For 7,475 ft. 12- to 48-in. concrete sewers in Allen Rd., Mercedes and Park Dist., to Lincoln Constr. Co., 4101 McDougal Ave., Detroit, $25,000.

Ill., Columbia — Sewerage system, to Thompson Constr. Co., 207 West 4th St., Davenport, Ia., $49,964. Est. $70,000. This corrects report in Sept. 6 issue.

Wis., Loyal—Village, c/o W. Meyer, clk., sanitary sewerage system, to P. Lametti, 201 Globe Bldg., St. Paul, Minn.; disposal plant, to J. E. Hammett, 5 12th Ave. N.E., North St. Paul, Minn. Noted Aug. 23.

Wis., Milwaukee—Metropolitan Sewerage Comn., R. Cramer, ch. engr., 508 Market St., special concrete main sewer in Janesville Plank Rd., to H. Hohensee, 1282 10th Ave., $137,888. Est. $185,000.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Clayton Constr. Co., Port Washington Rd. and Gruber Ave., sewer in Adler St. $7,086; to Werner Co., 121 8th Ave., Wauwatosa, 59th St. $952, Auer Ave. $443; to Milwaukee Sewer & Drainage Co., 982 Humboldt Ave., Moltke Ave. $5,764; to Wenzel & Henoch, 498 27th St., Taylor Ave. $2,896; to Dervos & Holquist, 457 Mineral St., Forest Home Ave. 839 State St. $490, rerouting sewer under 16th Street Viaduct $2,785. Grand total $21,255.

Ia., Ottumwa—See "Streets and Roads."

Okla., Enid—For 8,200 ft. 36 in. concrete sewers in Chestnut St., to Hyde Constr. Co., Amer. Bank Bldg., $20,964. Est. $27,000.

Okla., Marlow—For 11,000 ft. 8 and 10 in. vitr. clay sewers in Apache, Kiowa and Chickasaw Sts., to C. Robeck Co., 408 Securities Bldg., Omaha, Neb., $23,110. Est. $25,000. Noted Aug. 9.

Okla., Shawnee—For 16,000 ft. 8- to 12-in. vitr. clay sewers in Sewer Dist. 114, to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $32,698. Est. $33,000.

Calif., Los Angeles—Los Angeles Co., sewers in Bellflower Unit 1, Impvt. 794, and in Hynes-Clearwater, to Brkich Ramljak & Grizel, 308 Douglas Bldg., $63,818 and $147,427 respectively. Noted Aug. 16.

Ont., Hamilton—Council extending 18,000 lin.ft. 4 ft. sewer pipe, to Dominion Lock Joint Pipe Co., 400 Gage Ave. N., $82,900. Noted Sept. 6.

Ont., Toronto—For 24 in. and up concrete and vitr. tile sewers in 3 streets, to Worthington Constr. Co., Roselawn Ave., $30,865. Est. $30,000.

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The *Invisible Superintendent* at the Mortar Box

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TO SPECIFY the strength of a mortar is one thing; to get it is another. When portland cement and lime are used, the proper strength can be assured only by constant supervision at the mortar box.

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Waste Disposal

Proposed Work

N. Y., Brooklyn—Brooklyn Ash Removal Co., C. R. Van Elten, pres., 26 Court St., soon takes bids waste disposal plants at Bridgewater and Van Dam Sts., and on Newtown Creek. $400,000 each. T. E. Murrary, 55 Duane St., New York, archt. Noted Jan. 19.

N. J., Teaneck (br. Hackensack)—Twp. Comm., Municipal Bldg., incinerator. $125,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, twp. engr. J. Lieban, 238 Main St., Hackensack, archt. Noted Sept. 13.

Ore., Salem—Incinerator. $50,000. Cupper, Sansom & Cooper, Salem, engrs.

Contracts Awarded

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, 90 ton incinerating plant, Clifton, to Nye Odorless Crematory Co., 294 Madison Ave., New York, $179,100. Noted Aug. 30.

Tex., Pharr—City, brick, steel incinerator, to J. E. Pate, Hidalgo, $37,000.

Calif., Beverly Hills — B. J. Firminger, city clk., incinerator, to Nye Odorless Crematory Co., Subway Terminal Bldg., Los Angeles, $27,000. Noted Aug. 30.

Bridges

Proposed Work

Tennessee—State Dpt. Hys. & P. Wks., Nashville, preliminary surveys concrete, steel bridge over Tennessee River, on Paris-Dover Rd., Henry and Stewart Counties near "Big Sandy." H. F. Berry, hy. comr.

Tenn., Kingston—State Dpt. Hys. & P. Wks., Nashville, preliminary surveys concrete, steel bridge over Tennessee River, Roane Co., near here. $200,000. H. F. Berry, hy. comr.

Wisconsin — See "Minnesota and Wisconsin."

Iowa and Wisconsin — H. H. Polk Co., 201 Equitable Bldg., Des Moines, Ia., two 475 ft. span rein.-con., steel toll bridge over Mississippi River, between Marquette, Ia. and Prairie du Chien, Wis. $1,000,000.

Minnesota and Wisconsin — Minnesota State Hy. Comn., St. Paul, Minn., and Wisconsin State Hy. Comn., C. H. Kirch, bridge engr., Madison, Wis., five 140 ft. truss span bridge over St. Croix River connecting Stillwater, Washington Co., Minn., and Houlton, Wis. $362,000.

Missouri — State Hy. Comn., Jefferson City, bridges in Barton, Barry, Bates, Boone, Buchanan, Butler, Clay, Dallas, Hickory, Holt, Lafayette, Lawrence, Marion, Pettis, Platte, Ripley, and Saline Counties. T. H. Cutler, ch. engr.

Tex., Liberty—State Hy. Comn., R. S. Sterling, chn., Austin, putting new stringers, reflooring bridge across East Fork San Jacinto River, on Hy. 35, Liberty Co. $28,200. G. G. Wickline, Austin, bridge engr.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans 4 span 80 ft. rein.-con. bridge over Duck Creek, near Jet, Alfalfa Co. $35,000—4 span 78 ft. rein.-con. bridge over Deep Creek near Hitchcock, Blaine Co. $35,000—4 span 70 ft. rein.-con. bridge over Campbell Creek near Cyril, Caddo Co. $30,000—4 span 76 ft. rein.-con. bridge over Cane Creek near Elgin, Comanche Co. $30,000 — 4 span rein.-con. bridge near Lawton, Comanche Co. $25,000—3 span 66 ft. rein.-con. bridge over Beaver Creek near Temple, Cotton Co.—4 span 86 ft. rein.-con. bridge over Cedar Creek, near Fargo, Ellis Co. $40,000—2 span 200 ft. steel truss bridge on piers over Washita River near Beebe, Garvin Co. $40,000. C. R. Mandigo, hy. engr.

Okla., Cookson — State Hy. Dpt., Oklahoma City, preliminary plans 1 span 130 ft. steel truss bridge on piers over Illinois River, Cherokee Co. $45,000. C. R. Mandigo, hy. engr.

Okla., Hollis — Harmon Co. preliminary plans 5 span 116 ft. rein.-con. bridge over Salt Fork, near here. $30,000. C. Coon, Guthrie, engr.

Ore., Salem—Bridges. $350,000. Cupper, Sansom & Cooper, Salem, engrs.

Bids Desired

Vermont — Sept. 21, by State Hy. Bd., Montpelier, S. B. Bates, comr., bridges in Woodstock, Manchester and Coventry.

New Jersey—Oct. 8, by State Hy. Comn., Trenton, bridge to carry State Hy. Route 1 (Revision 1927) Sect. 2, across tracks Pennsylvania Tunnel and Terminal R.R. Co., North Bergen, Hudson Co. A. L. Grover, ch. clk.; adv. E.N.-R. Sept. 20.

Pa., Phila. — Sept. 21, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., bridges, Contr. 71-1928.

Md., Hyattsville — Sept. 25, by State Roads Comn., Baltimore, sixteen 40 ft. span rein.-con. viaduct over Baltimore & Ohio R.R., Contr. P-58, Prince Georges Co. J. N. Mackall, chn.

Illinois—Oct. 3, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield (**r.c.s.b. means rein.-con. slab bridge, r.c.g.b. rein.-con. girder bridge**), two 120 ft. span rein.-con. substructure and 28 ft. r.c.s.b., Route 49, Sect. 137-B, and two 140 ft. span steel superstructure, Route 49, Sect. 137-C, Iroquois Co.—30 ft. r.c.s.b. Route 49, Sect. 145-B, Cook Co.—120 ft. r.c.s.b. Route 59, Sect. 106-B-1, Lake Co.—five 55 ft. span r.c.g.b. Route 74, Sect. 102-B, Stephenson Co.—40 ft. r.c.g.b., 16 ft. r.c.s.b., 120 ft. rein.-con. substructure, 120 ft. steel superstructure, Route 92, Sect. 135-B and C, Bureau Co.—90 ft. rein.-con. substructure, three 45 ft. girder approach spans, 90 ft. steel superstructure, Route 104, Sect. 126-B and C, Morgan Co.—44 ft. r.c.g.b., 24 ft. r.c.s.b., 2 rein.-con. box culverts, 1 rein.-con. substructure with 4 rein.-con. girder approach spans, and 125 ft. steel superstructure, Route 104, Sect. 143-B and C, Christian Co.—five 50 ft. span r.c.g.b., Route 119, Sect. 114-B, Vermilion Co.—four 50 ft., two 40 ft. r.c.g.b., one 20 ft. r.c.s.b., Route 150, Sect. 112-B, St. Clair Co.—four 29 ft. span overhead railroad bridge, Route 160, Sect. 133-V-B, Madison Co. F. T. Sheets, hy. engr.

Ill., Dundee — Sept. 24, by Village, foot bridge over Fox River. Suhr, Berryman, Peterson & Suhr, Inc., 130 North Wells St., Chicago, engrs.

N. D., Grand Forks—Sept. 25, by North Dakota Hy. Comn., Bismarck, and Minnesota Hy. Comn., St. Paul, 279 ft. steel truss bridge over Red River of North, Demere Ave. $300,000. C. Johnson, Bismarck, state hy. engr. for North Dakota.

Okla., Asher — Sept. 25, by C. E. Pettigrew, clk. Pottawatomie Co., Tecumseh, 4 span 76 ft. rein.-con. bridge, 19.6 tons I-beam and 5.93 tons reinforcing steel. $25,000. J. H. Merkle, Tecumseh, engr.

Okla., Grove—Oct. 1, by O. L. Chandler, clk. Delaware Co., 6 span 140 ft. rein.-con. bridge, 38.4 tons I-beam and 11.8 tons reinforcing steel. $27,500. T. P. Clouts, Muskogee, engr.

Okla., Spiro — Sept. 28, by P. Wathis, chn, Leflore Co., 1 span 380 ft. concrete low water overflow bridge. $25,000. J. E. Davis, Poteau, co. engr.

California—Oct. 3, by State Hy. Comn., Sacramento, fourteen 19 ft. span r.w. pile bents over Arroyo de la Cruz near San Simeon, also nine 19 ft. span timber bents, concrete pedestals over San Carpojo Creek, San Luis Obispo Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Contracts Awarded

Massachusetts—See "Streets and Roads."

Mass., Boston—Dpt. P. Wks., rebuilding concrete, steel bridge over New York, New Haven & Hartford R.R., on River St., to Phandor Co., 18 Tremont St., $114,297. Noted Aug. 9.

Mass., Quincy (sta. Boston)—New York, New Haven & Hartford R.R. South Sta., Boston, bridge over railroad, on West Squantum St., to Coleman Bros., Inc., 245 State St., Boston.

New York—A. W. Brandt, comr. Highways, Albany (**e.e. means engineers estimate**), bridges Schulyer Co., to A. C. Toaspern & Co., Middletown, $38,427 e.e. $44,590—bridge in Wyoming Co., to Oatka Eng. & Constr. Co., Inc., Warsaw, $29,428 e.e. $41,592—in Essex Co., to J. J. Fredella Co., Glens Falls, $55,722 e.e. $68,870—in Delaware Co., to F. Lewis & Sons, Bainbridge, $107,846—Warren Co., to Bricon Constr. Co., Inc., Indian Lake, $12,399 e.e. $16,661. Grand total $243,822. Noted Sept. 13.

N. Y., Buffalo—Erie Co., concrete bridge over 18 mi. Creek, on Southwestern Blvd., to Peckham Constr. Co., Crosby Bldg., $173,500.

Pennsylvania—State Hy. Comn., Harrisburg, 659 ft. rein.-con., steel viaduct, and 1,950 ft. approaches, on Route 211, Application 3907, McKean and Allegheny Counties, to M. J. McMahon, Pittsburgh, $182,402. Noted Aug. 23 under "Streets and Roads."

Md., Cumberland — Concrete deck type bridge over Western Maryland R.R. connecting Cumberland St. with Market Bridge, to Vang Constr. Co., Cumberland, $38,905.

N. C., Greensboro—See "Waterworks."

Tenn., Memphis—State Hy. Comn., Nashville, widening, replacing wooden flooring with Carey "Light Tite" flooring on Harahan Viaduct, to Atlantic Bridge Co., Greensboro, N. C., $196,000. Est. $200,000.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, bridge, Washington Co., to J. C. Ellis, Rockport, $34,303—2 bridges, Newton Co., to Winks & Dannecker, Williamsport, $7,601 — 2 bridges, Pike and Knox Counties, to Vincennes Bridge Co., Vincennes, $274,920 — bridge, Fayette Co., to W. H. Grammer & Son, Evansville, $19,270. Grand total $336,094. Noted July 19.

Iowa—State Hy. Comn., Ames, 32 x 24 ft. and 40 x 24 ft. bridges, 80 x 20 ft. pony truss bridge with two 32 x 20 ft. I-beam approaches, 50 x 20 ft. skew pony truss bridge adding two 40 x 20 ft. I-beam approaches to existing bridge, Pottawatamie Co., to Wickham Bridge & Pipe Co., Council Bluffs $39,135—90 x 24 ft. skew plate girder bridge, Winneshiek Co., to A. Olson, Waterloo $16,970—1 box culvert Buena Vista Co., to W. E. Shoppe, Jefferson, $1,995—14 culverts, Cass Co., to S. C. Anderson, Des Moines $8,675—13 culverts Delaware Co., to Burt & Russell, Waukon $6,475—2 culverts Johnson Co., to W. C. Mott & Sons, Iowa City $628—8 culverts Lee Co., to A. Melberg, Cedar Rapids $2,580—35 culverts, extensions Pottawatamie Co., to Metropolitan Constr. Co., Omaha, Neb. $17,876—11 culverts Pottawatamie Co., to Wilson Concrete Co., Red Oak $9,830—36 culverts Winneshiek Co., to J. Reeds, Waukon $14,394. Grand total $118,559.

Wyoming—See "Streets and Roads."

Mo., Independence — Centennial Bridge Co., Independence, foundation for 2,000 ft. rein.-con. steel bridge at Liberty Landing, on Missouri River, to Union Constr. & Bridge Co., 1205 Midland Bldg., Kansas City. Noted Aug. 2.

Tex., San Antonio—City, c/o C. M. Chambers, mayor, 90 ft. rein.-con., steel bridge, Grayson St., to J. G. Jeffrey, 2123 Buena Vista St., $25,000. Noted Aug. 9.

California—State Hy. Comn., Sacramento, reconstructing, repairing bridge over San Juaquin River, Merced Co., to Stephenson Constr. Co., Hearst Bldg., San Francisco, $19,007 — 2 rein.-con. bridges over Dry Creek and Southern Pacific R.R., Roseville, to M. A. Jenkins, 3560 Y St., Sacramento, $47,455—2 rein.-con. girder bridges one over Dry Creek other over Antelope Creek, on Victory Hy., Placer Co., to G. J. Ulrich Co., Modesto, $28,639. Grand total $95,101. Noted Sept. 13.

Calif., Reedley — D. M. Barnwell, clk. Fresno Co., rein.-con., bridge over Kings River near here, to Bodenhamer Constr. Co., 4886 Mansfield Ave., San Diego, $31,850—concrete bulkheads on bridge over Kings River southwest of here, to J. P. Williams, 980½ Farris St., Fresno, $10,964. Noted Aug. 16.

Ont., Ottawa—Dpt. Railways & Canals, lift bridge at Welland Canal, to Dominion Bridge Co., Montreal, Que., $654,320.

Dams

Proposed Work

Wash., Tacoma—See "Unclassified."

Bids Desired

Calif., Los Angeles—Nov. 14, by Supervs. Los Angeles Co., San Gabriel Flood Control Dam, 425 ft. high, 2,200 ft. on crest, 412 ft. at base, incl. 1,200,000 cu.yd. excav., 2,800,000 cu.yd. concrete, 2,400 tons metal work, Proposal A, contractor supply aggregate, Proposal B, District supply half the aggregate, Proposal C, District supply all aggregate. E. C. Eaton, Los Angeles, engr.

Contracts Awarded

Que., Sorel — Dominion Govt., Ottawa, Ont., 3 submerged dams near here, to Robinson & Jonni Ltd., Montreal, $899,000. Est. $1,000,000.

Railways

Proposed Work

South Dakota — Mound City & Eastern R.R. Co., W. W. Robey, pres., Eureka, 70 mi. railroad between Mound City and Leola, to Jahnig & Davis Constr. Co., Britton, at $12,000 per mile.

Arkansas—Graysonia, Nashville & Ashdown R.R. Co., C. M. Conway, pres. and genl. mgr., Texarkana, 5 mi. standard gauge branch line near Saratoga, to Horton-Price Constr., Co., Texarkana.

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Railways (Continued)

Texas — Waco, Beaumont, Trinity & Sabine Ry. Co., P. G. Burns, ch. engr., Trinity, general contract 383.71 mi. railroad extension, to Foundation Co., 120 Liberty St., New York. Est. $9,738,642.

Oklahoma — Chicago, Rock Island & Pacific Ry. Co., C. A. Morris, ch. engr., Chicago, Ill., 7,000 lin.ft. track in yard at Ponca City. Owner builds. $35,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Minn., Winona—A. Bauerlen, aud. Winona Co., bids in fall, drainage and flood control, German Creek. $20,000. S. P. Norling, 235 Gateway Bank Bldg., Minneapolis, engr.

Bids Desired

Mass., Hadley—Sept. 25, by Dpt. P. Wks., Boston, 1,600 ft. earth dike along south bank Connecticut River between Middle and West Sts., for Commonwealth of Massachusetts. W. F. Williams, comr.

Mass., Hatfield — Sept. 25, by Dpt. P. Wks., Boston, 1,150 ft. earth Dike, furnishing and placing 8,500 tons stone rip rap on west bank of Connecticut River, for Commonwealth of Massachusetts.

La., Alexandria—Oct. 3, by Red River, Atchafalaya & Bayou Boeuf Levee Dist., 505 Commercial Bank Bldg., enlarging strengthening levee from Alexandria to Boyce and flood gates in Bayou Rapides. $22,500. State Bd. Engineers, 213 New Orleans Court Bldg., New Orleans, engrs.

Minn., Minneapolis—Sept. 25, by A. P. Erickson, aud. Hennepin Co., Judicial Ditch 6,750 cu.yd. open ditch, 1 outlet bulkhead. $15,000. S. A. Norling, 235 Gateway Bank Bldg., engr. Noted Aug. 16.

Calif., Hanford—Oct. 9, by D. Hadsell, secy. Tulare Lake Basin Water Storage Dist., 109 West 8th St., levee on each side channel, 124,000 cu.yd. earth excav.

Calif., Turlock—Sept. 28, by A. Sorensen, secy. Turlock Irrigation Dist. 557,307 sq.ft. 2 in. canal lining, Schedules 1 to 4 (inclusive).

Calif., Westley — Sept. 29, by E. Smith, secy. West Stanislaus Irrigation Dist., 550,000 sq.ft. 3 in. reinforcing canal lining under Contr. 12- Main Canal.

Ont., Port Dover — Oct. 4, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, improving harbor. $50,000. K. M. Cameron, Dpt. P. Wks., Ottawa, engr.

Contracts Awarded

Fla., West Palm Beach—Lake Worth Inlet Comn., deepening bar to 20 ft., eliminating several small shoulders in channel at Port of Palm Beach, to Waldeck-Deal Dredging Co., 832 Northwest 12th St., Miami, $25,000.

Mississippi — Comrs. Pigeon Roost Creek D. D. Marshall, Tate and Desoto Counties, I. C. Tucker, secy., clearing 320 acre right-of-way and 771,200 cu.yd. excav., to D. W. Robins, Tupelo, at $15 per acre and $0.08 per cu.yd. respectively. This corrects report in Sept. 13 issue.

O., Cincinnati—C. O. Sherrill, city mgr., levee, necessary appurtenances at airport, to United Constr. Co., 408 Lyric Theatre Bldg., $124,340. Est. $140,000. Noted Sept. 13.

Mich., Sault Ste. Marie—Removing 1,243,000 yd. bottom and channel banks on lower Lake Nicollet, and 834,000 yd. on Munuscong Channel, to Duluth-Superior Dredging Co., 45th Ave. W., Duluth, Minn., $181,305 and $204,453 respectively.

Ia., Fairfield—Jefferson Co., A. C. Turner, aud., excavating 500,000 cu.yd. Cedar Creek D. D. 6, to Boyne Constr. Co., 201 Nonpariel Court, Council Bluffs, at $0.072 per cu.yd.

Tex., Pharr—Hidalgo Co. Water Impvt. Dist. 2, A. Van Dresar, San Juan, mgr., irrigating in districts of Pharr, San Juan and Alamo, incl. concrete canals, installing pumping units. $3,000,000. Owner builds and purchases equipment. Noted Sept. 6.

Calif., Los Angeles—Los Angeles Co. Flood Control Dist., 202 M. Bway, rein.-con. storm drain in Verdugo Wash, to S. W. Gleim, 240 Byrne Bldg., $26,740.

Calif., San Pedro — Los Angeles City Harbor Comn., 500,000 cu.yd. shoal dredging in Slips 1 and 5, Inner Harbor, to Standard Dredging Co., Central Bldg., Los Angeles, $110,965. Noted Aug. 16.

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Ont., Ottawa—Dpt. Railways & Canals, guard works on Welland Canal, to Canadian Iron Foundries, Mark Fisher Bldg., Montreal, Que., $55,841.

Streets and Roads

Proposed Work

Mass., Dorchester (sta. Boston)—Dpt. P. Wks., Boston, constructing Hosmer St., Willow Court and Brook Rd. as highway. $25,000. J. H. Sullivan, comr.

Mass., Dorchester (sta. Boston) — Dpt. P. Wks., State House, Boston, constructing Ashton and Walker Sts., Codman Hill and Milton Aves. as highways. $25,000 or more. J. H. Sullivan, comr.

Mass., Fall River—Reconstructing North Main St. $30,000 appropriated. F. B. Manning, supt. Streets.

N. J., Caldwell—Bd. Boro Council, Boro Hall, grading, concrete sidewalks, Linwood Terrace, Central Ave., Gladding and Elm Rds. $28,000. J. L. Proost, 376 Bloomfield Ave., boro engr.

N. J., Caldwell—Bd. City Council, Municipal Bldg., preliminary plans grading, sewers, paving Bowers Rd., Park and Arlington Aves. $35,000. J. S. Provost, 376 Bloomfield Ave., boro engr.

N. J., Ellisburg—Delaware Twp. Com., sidewalks in Merchantville Park and Ellisburg. $34,000.

N. J., Jersey City—Bd. City Comrs., City Hall, preliminary plans sheet asphalt on concrete paving Stegman Pl. from Stegman Parkway to its southerly terminus. $27,000. C. A. Van Keuren, city engr.

N. J., Jersey City—Sheet asphalt on concrete repaving Summitt Ave. from Fleet St. to Paterson Ave. $25,000. C. A. Van Keuren, city engr.

N. J., Mountainside (mail Westfield) — Boro Council, Boro Hall, preliminary plans curbing, bituminous macadam paving Poplar St., Beach and Locust Aves. $75,000. C. Collins, 130 West Broad St., Westfield, boro engr.

N. J., Newark — Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Fortuna St. from Sanford Ave. to Richelieu Terrace and Johnson Ave. $25,000. J. W. Costello, city engr.

N. J., North Plainfield (mail Plainfield)—Boro Council, Boro Hall, preliminary plans grading, curbing, guttering, asphaltic concrete or rein.-con. paving Catalpa, Tappan and Willow Aves. $25,000. C. H. Fishbrook, Boro Hall, engr.

N. J., Teaneck (br. Hackensack)—Twp. Com., Municipal Bldg., preliminary plans grading, mains, sidewalks Fycke Lane, Spruce St., Harding and Englewood Aves. $25,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, engr.

N. J., Trenton—City Comn., sheet asphalt paving ½ mi. road across sewage disposal tract, foot Lamberton St. $26,000. J. E. English, city engr.

N. J., Westfield—Bd. Freeholders Union Co., Court House, Elizabeth, concrete paving Center St. from Boynton to Center Aves. $25,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., Woodbridge (br. Rutherford)—Bd. Boro Council, Boro Hall, preliminary plans grading, 6 in. rein.-con. paving Windsor Rd., Cliff, Way and 6th Sts. $50,000. H. D. Allen, 810 Broad St., Newark, boro engr.

W. Va., Wheeling—Comrs. Ohio Co. soon take bids concrete paving 4,200 ft. County Club—Oglebay Park Rd. $34,980. A. Beel, Wheeling, Co. engr.

Fla., Tampa—Soon lets contract resurfacing 15 streets. $100,000. R. Cason, city engr.

La., Morgan City—Soon takes bids curbing, reef asphalt paving 50 blocks in district bounded by Front St., Railroad, Brashear and Federal Aves. J. H. Evans, City Hall, engr.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, improving 12 mi. Nashville Corp. Line-Goodlettsville Rd., Davidson Co. H. F. Berry, hy. comr.

Tennessee—State Dpt. Hys. & P. Wks., Nashville, surveys improving 10 mi. Hampton-Fish Springs Rd., Carter Co. H. F. Berry, hy. comr.

Tenn., Springfield—Grading, sheet asphalt paving 16,200 sq.yd. Betts Blvd. and Cheatham St. $48,200. Long & Co., Bennie Dillon Bldg., Nashville, engrs.

Ohio—H. J. Kirk, dir. Service, Columbus, cancelled bids to have been opened Aug. 31, grading, paving 7.474 mi. roads in Cuyahoga and Hancock Counties—bridge in Erie Co. —received no bids Aug. 31, grading, paving 1.174 mi. Madison Co.

O., Bellefontaine—City Council curbing, asphalt resurfacing 1½ mi. Columbus Ave., 44 ft. $38,000.

O., Cincinnati—Curbing, sidewalks, vitr. brick, sheet asphalt repaving 14,400 sq.yd. and vitr. brick paving 2,000 sq.yd. Court, Plain and Walnut Sts., $90,100—grading, curbing, sidewalks concrete repaving 1,750 sq.yd. Bramble Ave., $78,173. C. O. Sherrill, city mgr.

O., Cincinnati — Hamilton Co., grading, concrete guttering, tar bound macadam paving 12,600 sq.yd. Elstun Rd. $78,924. E. A. Gast, Court House, engr.

O., Columbus—W. H. Duffy, dir. Service, soon takes bids grading, curbing, sewers, paving 45,880 sq.yd. Ashland, Chicago, Elmwood, Webster Park, Westwood and Morning Aves., Gault, Broderick, Summit and Helen Sts., brick $316,278, asphalt $282,750—concrete paving 8,553 sq.yd. Cole St. $14,450—asphalt resurfacing 300 cu.yd. Maple St. $25,209.

Ind., Ft. Wayne—Comrs. Allen Co. bituminous on macadam paving 8.383 mi. Duglay Rd. $186,000. O. M. Darling, Ft. Wayne, engr.

Ind., Kokomo — Comrs. Howard Co. improving roads. $152,000. T. Hollingsworth, Kokomo, engr.

Ind., New Castle — Comrs. Henry Co. improving roads. $103,876. W. S. Frool, New Castle, engr.

Ind., Noblesville — Comrs. Hamilton Co. improving roads. $130,000. A. E. Baker, Noblesville, engr.

Ind., Valparaiso — Comrs. Porter Co. improving roads. $105,000. C. Bay, Valparaiso, engr.

Ill., East St. Louis — Prelimiary plans concrete widening State St. from 10th to 38th Sts. $123,000. W. McK. Brown, City Hall, engr.

Ill., Mounds—Preliminary plans, grading, curbing, concrete paving, 10 blocks. P. B. Wilson, 1st Natl. Bank Bldg., Marion, engr.

Ia., Cedar Rapids — Grading, curbing, guttering, asphaltic concrete on 7 in. one course rein.-con. and 5 in. concrete paving 12,700 sq.yd. $35,000. F. E. Young, city engr.

Ia., Cedar Rapids—Soon takes bids curbing, guttering, concrete paving 3,600 sq.yd. 2nd Ave.; grading, curbing, guttering, rein.-con. asphaltic concrete paving 12,800 sq.yd. Blake Blvd. F. E. Young, City Hall, engr.

Kan., Bellville—Republic Co. rejected bids Aug. 20, grading, bridging 5.457 mi. Federal Aid Project 313-A, 30 ft. Will readvertise. J. O. Gunnels, Court House, engr. Noted Aug. 9.

Kan., Tribune — Greeley Co., grading 10.226 mi. RD.K 96, Project 577, 30 ft. H. C. Snodgrass, Court House, engr.

Kan., Westmoreland—Pottawatomie Co., grading, bridging 7.794 mi. Federal Aid Projects 355-E and 203-B, L. F. Whearty, Court House, engr.

Missouri — State Hy. Comn., Jefferson City, grading, surfacing, paving roads in Atchison, Barton, Buchanan, Butler, Cedar, Clay, Henry, Hickory, Holt, Lafayette, Lawrence Linn, Livingston, Marion, Nodaway, Ozark, Pettis, Platte, Pulaski, Ripley and Saline Counties. T. H. Cutler, ch. engr.

Mo., California—Preliminary plans grading, curbing, rein.-con. paving. $40,000. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, and 408 McDaniel Bldg., Springfield, engrs.

Mo., Cassville—Preliminary plans grading, curbing, concrete or rein.-con. paving. $40,000. Russell & Axon, Ry. Exch. Bldg., St. Louis, and 408 McDaniel Bldg., Springfield, engrs.

Mo., Clayton—St. Louis Co. soon takes bids concrete paving and 7 ft. asphalt shoulders of either side Clayton Rd. between St. Louis city limits and North and South Rds., 21 ft.—concrete paving Florissant Ave. between St. Louis city limits and Lucas and Hunt Rd.—macadam paving Lucas and Hunt Rd. to Chambers Rd.—grading Lucas and Hunt Rd. between Natural Bridge and Florissant Ave.—resurfacing Big Bend Blvd. through Maplewood and Richmond Heights. $600,000. R. Jablonsky, Court House, engr.

Mo., St. Joseph—Soon takes bids 6 in. concrete paving 5,500 sq.yd. Highly St. $16,000—2,498 sq.yd. Clayton Rd. $8,000—alley between Penn and Seneca Sts. $2,100—asphaltic concrete paving 4th St. between Jules and Faraon Sts. $2,000. R. Dunlap, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, grading between building lines on Plateau St. between Kraft and Prather Sts. $16,750—Tholozan St. between Morganford St. and Kingshighway $10,200 — alternate types paving Horton and Fairground Pls., Sells Ave., Horner, Idaho, Odell, Murdoch and Quincy Sts. W. W. Horner, City Hall, engr.

Mo., Wellston—See "Unclassified."

Ark., Ashdown—Preliminary plans grading, concrete paving principal business and residential streets.

Ark., Little Rock — Preliminary plans grading, curbing, concrete paving 20 blocks Chester, Ringo, West 29th, Fulton and West 35th Sts.

Streets and Roads (Continued)

Ark., Texarkana — Preliminary plans grading, curbing, concrete paving 20,000 sq.yd. Forest Park Impt. Dist. 1. J. Eldridge, 211 West Broad St., comr.

Tex., Alamo — Hidalgo Co. soon takes bids graveling, grading, concrete paving 4 mi. Morningside, Alamo, Tower, Military and other cross roads. $750,000. P. Devine, Edinburg, co. engr. Noted June 28.

Tex., Alamo Heights—Widening, asphalt on hard base paving 1½ mi. Broadway Ave. $[illegible]000. S. F. Crecelius, 201 Torcido Dr., San Antonio, engr. Expect State and Federal Aid.

Tex., Corpus Christi—M. M. Parker, A. J. Jones and F. E. Jones, 5131 Euclid St., Kansas City, Mo., improving 60 mi. hy. on Padre Island, near here. $150,000.

Tex., Houston—Permanent paving 13 blocks 77th St. from Baltimore St. to Navigation Blvd. J. C. McVea, city engr.

Tex., Harlingen — Paving. $25,000. A. Tamm, Harlingen, engr.

Tex., Mercedes—Hidalgo Co. paving 34 blocks. E. E. Johnson, Mercedes, city engr.

Tex., Plainview — Alternate paving 20 blocks. $50,000. F. M. Joyner, Plainview, engr.

Tex., San Antonio — B. G. Irish, 401 Navarro St., plans asphalt on rock paving 2 sub-divisions on North Side, one in old Elliott Jones Refinery grounds, other on Mawry property, $75,000; 60 blocks Collins Garden Sect. $40,000, owner builds. Noted Mar. 8 under "Unclassified."

Tex., Sherman—Grayson Co. grading, bridging, concrete paving 62.321 mi. hys. $365,475. J. G. Rollins, Sherman, co. engr.

Tex., Sonora—Asphalt on hard base paving 4 blocks streets in business district. $30,000. H. L. George, Sonora, engr.

Oklahoma—State Hy. Dept., Oklahoma City, rejected bids Aug. 14, concrete surfacing Pottawatomie Co. $125,000—5.021 Mi. Logan Co. $125,000—5 mi. F.A.P. 199-G and 5.088 mi. same road Sect. H, Payne Co. $125,000 and $130,000 respectively—asphalt surfacing Pottawatomie Co. $125,000—grading 3.489 mi. Noble Co. $97,000—9 mi. Duncan Co. $40,000. Noted July 26.

Oklahoma — State Hy. Dpt., Oklahoma City, surveys grading 7 mi. Hy. 14, Johnston Co. $35,000—8 mi. Hy. 18, Pottawatomie Co. $45,000—10 mi. Hy. 31, Love Co. $45,000—18 mi. Hy. 14, Kiowa Co. $60,000—15 mi. Hy. 5, Carter Co. $75,000—plans grading 3 mi. U. S. Hy. 64, Alfalfa Co. $25,000—10 mi. Hy. 7, Jackson Co. $45,000—concrete slab surfacing 21,120 sq.yd. U. S. Hy. 75, Nowota Co. $48,000—63,180 sq.yd. U. S. Hy. 64, Alfalfa Co. $135,000—42,750 sq.yd. State Hy. 5, Carter Co. $90,000—42,470 sq.yd. Hy. 9, Kiowa Co. $91,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans improving 40 mi. roads, Ellis Co. $200,000—grading 7 mi. Hy. 14, Dewey Co. $30,000—6 mi. Hy. 5, Jefferson Co. $30,000, all foregoing 30 ft. wide—concrete slab surfacing 32,000 sq.yd. U.S. Hy. 81, Kingfisher Co. $70,000 — grading, graveling 7,800 sq.yd. Hy. 9, Kiowa Co. $32,000. C. R. Mandigo, hy. engr.

Oklahoma — State Hy. Dpt., Oklahoma City, grading Hy. 7, Grady Co.—Hy. 9, McIntosh Co. — Hy. 18, Pottawatomie Co., concrete paving Hy. 27, Okmulgee Co. $185,000. C. R. Mandigo, engr.

Okla., Altus—Grading, concrete paving 8,100 sq.yd. Wheeler St. $32,810. J. C. Chisum, Altus, engr.

Okla., Anadarko — Grading, concrete paving 12,100 sq.yd. Apache St. $36,600. R. O. Bradley, Chickasha, engr.

Okla., Carter—Grading, concrete paving 14,700 sq.yd. Main St. $60,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

Okla., Carter—Concrete paving. To exceed $25,000. Benham Eng. Co., 1107 Perrine Bldg., Oklahoma City, engrs.

Okla., Cheyenne — Grading, concrete paving 11,000 sq.yd. Main St. $45,000. Benham Eng. Co., 1107 Perrine Bldg., Oklahoma City, engrs.

Okla., Cordell—Grading, concrete paving 11,000 sq.yd. Dist. 8. $32,000. F. Ford, Cordell, engr.

Okla., Duncan—Grading, concrete paving 8,100 sq.yd. North 11th St., $28,406; 7,100 sq.yd. Beach St., $28,109. H. Sullivan, Temple, engr.

Okla., El Reno—Concrete paving 13,125 sq.yd. Warren Ave. $36,310. E. W. Fassett, El Reno, engr.

Okla., Frederick—Tillman Co. concrete paving 10,600 ft. Road 4. $25,000. D. E. Powell, Frederick, engr.

Okla., Guymon—Grading, concrete paving 7,300 sq.yd. Dist. 2. $28,800. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Okla., Holdenville — Seminole Co. grading 26,000 cu.yd. County Road 16. $25,000. R. Grace, Holdenville, engr.

Okla., Lawton—Grading, concrete paving 6,690 sq.yd. 6th Ave. $26,862. G. Dale, Lawton, engr.

Okla., Longdale — Grading, concrete paving 8,600 sq.yd. Main St. $27,000. Benham Eng. Co., 1107 Perrine Bldg., Oklahoma City, engrs.

Okla., Mangum — Grading, concrete paving 9,300 sq.yd. Dist. 20. $29,775. E. W. Gantt, 1116 West Main St., Oklahoma City, engrs.

Okla., Maud—Grading, concrete paving 20,900 sq.yd. King Ave. $83,952. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., McAlester — Grading, concrete paving 10,650 sq.yd. East Washington St. $30,600. F. Frazer, McAlester, engr.

Okla., Okeene—Grading, concrete paving 7,800 sq.yd. F St. $25,200. E. A. Jones, Enid, engr.

Okla., Oklahoma City — Grading, concrete paving 6,200 sq.yd. South 25th St. $26,000—grading, sheet asphalt paving 5,800 sq.yd. Hardem Ave. $36,644—11,008 sq.yd. Creston Ave. $46,480. W. W. Small, City Hall, engr.

Okla., Oklahoma City — Widening, rock asphalt paving 5,600 sq.yd. 30th St. $25,000—sheet asphalt paving 5,500 sq.yd. Noble Ave., $25,000—6,500 sq.yd. 21st St., $25,000—paving 5 blocks 20th St., $25,000. W. W. Small, City Hall, engr.

Okla., Okmulgee—Okmulgee Co. preliminary plans grading 8 mi. Road 7. $35,000. W. C. King, Okmulgee, engr.

Okla., Shawnee—Grading, sheet asphalt paving 11,000 sq.yd. 32nd, Midland and Park Sts. $43,117. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engr.

Okla., Shawnee—Grading, sheet asphalt paving 7,600 sq.yd. Independence St. from Park to Kickapoo Sts. $31,875. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Okla., Texhoma—Paving 8 blocks Dist. 2. $36,000. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Okla., Tulsa — Grading, concrete paving 10,700 sq.yd. Haskell and Gary Sts. $32,460. B. M. Hart, City Hall, engr.

Okla., Tulsa — Grading, sheet asphalt paving 7,760 sq.yd. Pine Ave. $32,416—6,300 sq.yd. 6th St. $28,450—7,000 sq.yd. 12th St. $29,275—grading, curbing, sheet asphalt paving 6,800 sq.yd. Detroit St. $31,200. B. M. Hart, City Hall, engr.

Okla., Valliant—Preliminary plans paving Main St. $40,000. Engineer not selected.

Okla., Wynoka — Grading, concrete paving 6,670 sq.yd. Mississippi St. $26,469. E. A. Jones, Enid, engr.

Okla., Wilson—Grading, concrete paving 7,600 sq.yd. 3rd St. $26,417. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Colo., Colorado Springs—Curbing, guttering 1½ in. on 2½ in. asphaltic concrete paving Dist. 5. $55,000. F. O. Ray, engr. S. E. Nichols, city clk.

California—State Hy. Comm., Sacramento, B. B. Meek, dir., allocated $5,918,000 from unappropriated road funds, for continuance present construction program. C. H. Purcell, State Hy. Sacramento, engr.

California—State Hy. Dpt., Sacramento, crushed gravel or stone surfacing 1.7 mi. road north and south of Pepperwood, Humboldt Co. C. H. Whitmore, Bank of Italy Bldg., Eureka, dist. engr.

Calif., Emeryville—Curbing, guttering, 4 in. willite paving 78,000 sq.ft. Powers St. $26,500. R. S. Hawley, city engr.

Calif., Martinez—Contra Costa Co., curbing, concrete paving 1,108 cu.yd. Main St., in Bay Point. R. R. Arnold, Martinez, co. surv.

Calif., Oakland — East Bay Municipal Utility Dist., Ray Bldg., grading, crushed rock or gravel surfacing 2,160 cu.yd. Jackson Creek Spillway Rd. Private plans.

Calif., Oceanside — Paving Plumosa Heights and Heatherbone Tract. To exceed $50,000. R. L. Loucks, city engr.

Calif., San Diego—Common Council curbing, sidewalks, 6 in. concrete paving 142,480 sq.ft. Polk Ave. H. W. Jorgensen, city engr.

Calif., San Diego—San Diego Co., grading, curbing, walks, 2 in. warrenite bitulithic on 4 in. asphaltic concrete paving 447,690 sq.ft. Euclid Ave. and other streets. $243,938. F. R. Carlson, supt.

Calif., San Diego—Supervs. San Diego Co. grading, concrete paving 399,250 sq.ft. Reo Dr. Valley Rd., 16th St. and Harrison Ave. A. & I. Dist. 26. $160,400. E. L. Freeland, supt. work.

Calif., San Francisco—Grading, paving 1½ mi. Junipero Serra Blvd. $500,000 and 2,500 ft. Bayshore Blvd. $100,000, both 125 ft. wide—grading, sidewalks, paving 6,860 ft. 19th Ave., 44 ft., $370,000. M. M. O'Shaughnessy, city engr.

Ont., Windsor—Council asphalt on concrete paving, widening London St. W. $237,000. M. W. Brian, City Hall, engr.

Ont., Windsor—Council extending Ouellette Ave., constructing boulevard. $45,000. M. W. Brian, City Hall, engr.

Bids Desired

Massachusetts — Sept. 25, by Dpt. P. Wks., State House, Boston, grraveling and oiling 9,200 ft. hy. in Princeton and West Brookfield, rein.-con. paving 3,150 ft. Winchester. W. F. Williams, comr.

Mass., Boston — Sept. 27, by Park Dept., sheet asphalt or bitulithic paving Commonwealth Ave., North Dr., bituminous macadam surfacing at Fairview Cemetery. $25,000.

Mass., Boston—Sept. 27, by Dpt. P. Wks., sheet asphalt or bitulithic paving Parkhawa Rd., Ward 20. $25,000. J. H. Sullivan, comr.

Mass., Medford (br. Boston)—Sept. 24, by Schoolhouse Building Comm., City Bldg., grading Osgood School grounds, 4th St. $25,000.

New York—Oct. 2, by A. W. Brandt, comr. Highways, Albany, improving road in Broome Co.; reconstructing roads in Broome, Cayuga, Dutchess, Erie counties; bridges in Dutchess, Franklin, Herkimer, Monroe and Warren Counties; adv. E.N.-R. Sept. 20.

New York—Oct. 9, by A. W. Brandt, comr. Highways, Albany, improving roads in Nassau Co., constructing bridge in Montgomery Co.; reconstructing roads in Nassau, Schenectady, Rensselaer and Ulster Counties, bridges in Chautauqua, Essex and Ulster Counties; adv. E.N.-R. Sept. 20.

N. Y., Brooklyn—Sept. 26, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, sheet asphalt on concrete paving Hopkinson Ave. from East New York to Sutter Aves.

N. Y., Buffalo—Sept. 25, by Bd. Supervs. Erie Co., County Hall, rein.-con. paving 3.96 mi. Southwestern Blvd., Pt. 5, G-M-S 205, G. Diehl, Ellicott Sq., co. engr.

N. Y., Mamaroneck—Sept. 25, by Town Bd., at office F. M. Sherman, town clk., grading, paving Maple St., Glen and Valley Rds. A. J. Foote, Hillside Arcade, Larchmont, civil engr.; adv. E. N.-R. Sept. 20.

N. Y., New York—Sept. 25, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, sidewalks on Metcalfe and Rocedale Aves., East 206th, East 171st, West 263rd Sts.; bituminous concrete paving White Plains Rd.; grading, sheet asphalt on concrete paving White Plains Rd., Knox Pl., Cruger Ave., West 238th, West 166th, Overing and East 197th Sts.

N. Y., St. George—Sept. 26, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, bituminous concrete paving Lee Ave. from Arthur Kill to Amboy Rds.

N. Y., Valhalla—Oct. 3, by Westchester Co. Park Comr., 72 West Pondfield Rd., Bronxville, grading, paving Bronx Parkway Extension from Kensico Plaza to Columbus Ave. J. Downer, Bronxville, ch. engr.; adv. E.N.-R. Sept. 20.

N. J., Newark — Sept. 21, by Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Johnson Ave. and Fortuna St. $25,000. J. W. Costello, city engr. Noted Sept. 13.

N. J., Newark — Sept. 21, by Bd. City Comrs., City Hall, grading, curbing, sidewalks, sheet asphalt on concrete paving Schofield St. from Stuyvesant to Sanford Aves. $25,000. J. W. Costello, city engr. Noted Sept. 6.

N. J., New Milford—Sept. 21, by Bd. City Council, Municipal Bldg., grading, curbing, 7 in. asphaltic bound macadam paving Lenox Ave. from Main to Fulton Sts. $25,000. A. Noack, 236 Main St., Hackensack, boro engr.

N. J., Weehawken — Sept. 25, by Bd. Blvd. Comrs., Court House, Jersey City, sheet asphalt on 8 in. concrete repaving Boulevard East. $25,000. F. J. Radigan, Court House, Jersey City, co. engr. Noted July 12.

Pa., Monessen—Sept. 26, by J. C. Lermann, city clk., concrete paving 2,500 sq.yd and brick paving 1,700 sq.yd.

Maryland — Sept. 25, by State Roads Comm., Baltimore, concrete paving 0.3 mi. P-81, Contr. Ce-70, Cecil Co.—1.06 mi. Contr. Wo-61, Worcester Co.—1.69 mi. Contr. P-81 and graveling 3 mi. Contr. P-85, Prince Georges Co.—macadam paving 0.35 mi. Contr. Ce-71, Cecil Co. J. N. Mackall, eng.

Md., Baltimore—**Sept. 26, by Bd. Awards,** concrete paving 9,100 sq.yd. Contr. 485; sheet asphalt paving 10,000 sq.yd. Contr. 486. N. L. Smith, highways engr.

W. Va., New Martinsville — Sept. 28, by Wetzel Co. Court, 3 in. bituminous slag macadam on 8 in. bank run slag base course paving 2 mi. Project 2-A-3; in Grant Dist. G. A. Harman, co. clk.

Fla., Defuniak Springs — Sept. 25, by Comrs. Walton Co., M. T. Fountain, clk., clearing, grubbing 12 mi. road from Argyle to Southern boundary line, Dist. 1—8 mi. road from State Road 1, Kidd Pl. to Holmes Co. line—bridge over Alaqua Creek on Defuniak Springs and New Home Rd.—reconstructing fill at Seven Runs Bridge.

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Streets and Roads (Continued)

Ala., Birmingham—Sept. 25, by City Comn., curbing, cement sidewalks, guttering, 2 in. asphalt on 6 in. concrete paving 8 blocks 3rd Ave. N., $45,200—2 in. asphalt on 6 in. concrete paving 3 blocks 6th Ave. S., $15,580—7 blocks 19th St., Ensley, $43,-225—1 block Highland Alley, $1,120—1 block 55th Pl., $3,800—14 blocks 27th Ave. N., $67,600—2 blocks 18th St., Ensley, $11,-800—6 in. concrete paving 3 blocks Bush Blvd. Alley, $3,535—removing wooden blocks and 2½ in. asphalt on 6 in. concrete paving 1 block 21st St. Viaduct, $13,290. A. J. Hawkins, city engr.

Ala., Birmingham—Oct. 20, by City Comn., 2 in. asphalt on 5 in. concrete paving 1 block Price Ave., Ensley, 30 ft. $5,000—7 in. concrete paving 4 blocks 26th St., South and Niazuma Aves., 30 ft. $20,575—6 in. concrete paving 1 block 9th Court Alley S., 12 ft., $1,570. A. J. Hawkins, city engr.

Miss., Indianola—Oct. 1, by Bd. Mayor and Aldermen, bituminous paving 6,700 sq.yd.; 10,000 sq.yd. Garvens Ferry Rd. W. B. Montgomery & Associates, Jackson, consult. engrs. Noted June 28.

Tenn., Springfield—Sept. 25, by J. R. Adams, city clk., grading, sheet asphalt paving 34,100 sq.yd. Cheatham and Betts Blvds. $75,000. Long & Co., Bennie-Dillon Bldg., Nashville, engrs.

O., Steubenville—Sept. 21, at office Comrs. Jefferson Co., traffic bound paving 2.1 mi. Hy. 52, Bergholz-Monroeville Rd., $26,500; 5.55 mi. Hy. 55, Irondale-Monroeville Rd., $59,500.

Illinois—Oct. 3, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving 1.29 mi. Route 10, Sect. 36, Vermilion Co.—8.02 mi. Route 49, Sect. 137, Iroquois Co.—3.9 mi. Route 49, Sect. 145, and 2.16 mi. Sect. 146, Cook Co.—5.73 mi. Route 62, Sect. 115, Kane, Cook and McHenry Counties—8.17 mi. Route 84, Sect. 103, Rock Island Co.—3.11 mi. Route 89, Sect. 116, and 9.12 mi. Route 92, Sect. 135, Bureau Co.—3.92 mi. Route 97, Sect. 136, Henderson Co.—8.06 mi. Route 104, Sect. 126 Morgan Co.—6.03 mi. Route 104, Sect. 143, Christian Co.—5.5 mi. Route 113, Sect. 109-N, Kankakee Co.—4.66 mi. Route 116, Sect. 119, Iroquois Co.—3.4 mi. Route 119, Sect. 114, Champaign and Vermilion Counties—9.34 mi. Route 132, Sect. 101, Macon and Moultrie Counties—4.86 mi. Route 150, Sect. 101, Alexander Co.—8.08 mi. Route 150, Sect. 112, St. Clair Co.—1.86 mi. Route 152, Sect. 101-X, Randolph Co.—0.28 mi. Route 3, Sect. 69-S, Monroe Co.—0.14 mi. Route 23, Sect. 3-X, La Salle Co.—grading 1.43 mi. Route 74, Sect. 102-A, Stephenson Co.—1.04 mi. Route 92, Sect. 135-A, Bureau Co.—2.15 mi. Route 104, Sect. 143-A, Christian Co.—3.53 mi. Route 150, Sect. 134-A, Alexander Co.—0.57 mi. Route 4, Sect. 6-V-A, Grundy Co. F. T. Sheets, hy. engr.

Ill., Chicago—Sept. 25, by City, at office Bd. Local Impvts., City Hall, 6 to 24 ft. concrete sidewalks on one or both sides 95 streets and avenues. M. J. Faherty, pres.

Ill., Chicago—Sept. 25, by City, at office Bd. Local Impvts., City Hall, grading, sewers, concrete paving 4 alleys—grading, curbing, guttering, asphalt on 6 and 8 in. concrete paving Kuehl Pl., Byron, East 107th and West 83rd Sts., Lemont, Glenlake, Hiawatha, Peterson, North Hamilton, North Lavergne, North Keating, North Kilpatrick Aves.—grading, curbing, guttering, asphalt paving North Kedzie Ave.—grading, curbing, guttering, 8 in. concrete paving West 83rd St. M. J. Faherty, pres.

Ill., Forest Park—Sept. 25, by City, rein.-con. paving 10,139 sq.yd. Madison St.—21,396 sq.yd. Roosevelt Rd.—10,354 sq.yd. 15th St., Barker, Flavin, Sheets & Wallace, 35 East Wacker Dr., Chicago, engrs.

Mo., Clayton—Sept. 26 (extended date), by St. Louis Co., 7 in. rein.-con. paving 28,000 sq.yd. Clayton Rd. R. Jablonsky, Court House, co. engr. Noted Sept. 13.

Mo., Jackson—Sept. 24, by City Clerk, grading, concrete, paving 11 blocks South High, First South and North High Sts. T. J. Lacey, Jackson, engr.

Tex., Harlingen—Taking bids and opens same about Sept. 25, paving 17 blocks 7 streets. $30,000. A. Tamm, City engr. Noted Sept. 20.

Oklahoma—Sept. 25, by State Hy. Dpt., Oklahoma City, concrete slab surfacing 53,-920 sq.yd. Federal Aid Project 199-H, Payne Co. $130,000—52,800 sq.yd. same road Sect. G, $125,000—54,860 sq.yd. same road Sect. C, Logan Co. $125,000. C. R. Mandigon, hy. engr.

Oklahoma—Sept. 25, by State Hy. Dpt., Oklahoma City, sheet asphalt surfacing 37,-860 sq.yd. State Aid Project 446-C, Seminole Co. $100,000. C. R. Mandigo, hy. engr.

Okla., Wilson—Sept. 25, by H. T. Brown, city clk., grading, concrete paving 7,100 sq. yd. Jefferson St. $28,090. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

California—Oct. 3, by State Hy. Comn., Sacramento, grading, asphaltic concrete paving 13.5 mi. Imperial Co.—grading 5.4 mi. and grading, oil treated crushed gravel or stone surfacing 21.4 mi. San Bernardino Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

California—Solano Co. (Fairfield), Marin Co. (San Rafael) and State Hy. Comn., Sacramento, bids about Nov. 7, 2 mi. cut-off between Sears Point Rd. and main Sacramento-San Francisco Hy., in Solano and Marin Counties. $100,000. State has appropriated $30,000 towards cost. C. H. Purcell, Sacramento, engr.

Contracts Awarded

Massachusetts—Dept. P. Wks., Boston, bituminous macadam paving 1,683 ft. hy. in Colrain, to Perini & Ampollini, Plainville, $14,425—3,650 ft. Salem, to O. Menici, 27 Martinack Ave., Peabody, $28,163—1,145 ft. Bedford, to Kelsey Constr. Co., 161 Massachusetts Ave., Boston, $7,064—5,000 ft. Hanson, and graveling, bituminous macadam paving 4,100 ft. Sharon, to Washburn & Sheridan Constr. Co., East Taunton, $28,577 and $11,951 respectively—rein.-con. bridge in Acton, to Westcott & Munroe, 95 High St., North Attleboro, $5,349. Grand total $95,529. Noted Aug. 30.

Mass., Boston—Sheet asphalt paving Hampshire St., Ward 9, to M. F. Gaddis, 6 Beacon St., $25,410.

Mass., Boston—J. H. Sullivan, comr. Dpt. P. Wks., sheet asphalt or bitulithic paving Belvidere St., Ward 4, to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $63,411.

Mass., Lowell—Dpt. P. Wks., Boston, rein.-con. paving 7,180 ft. hy., to Greenough Constr. Co., South Acton, $49,171.

Conn., New Haven—E. Nettleton, city engr., bituminous macadam and rein.-con. paving Sherman, Frank and Lombard Sts., Grand and West Rock Aves., to C. W. Blakesley & Sons, 58 Waverly St. Est. $25,000. Noted Aug. 9.

New York—A. W. Brandt, comr. Highways, Albany **(e.e. means engineers estimate)** concrete paving 2.12 mi. road in Wyoming Co., to J. A. Burke, Lockport, $114,623 e.e. $158,112—3.95 mi. Otsego Co., to Hogeboom & Campfield, Inc., Kingston, $190,262 e.e. $266,016—1.01 mi. Monroe Co., to J. Bellardino, Seneca Falls, $55,920 e.e. $72,311—4.96 mi. Cayuga and Onondaga Counties, to F. Callahan, Auburn, $220,160 e.e. $319,733—1.76 mi. Tompkins Co., to P. D. Conley Constr. Co., Ithaca, $80,027 e.e. $111,559—5.13 mi. Rensselaer and Oneida Counties and 2.03 mi. Oneida Co., to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $215,503 and $148,542 respectively e.e. $315,473 and $216,490 respectively—4.06 mi. Rensselaer Co., to Collins Bros., Mechanicsville, $237,454 e.e. $334,113—1.69 mi. Wyoming Co., to Greenfield & Harding, Hornell, $52,357 e.e. $69,-509—12.29 mi. Ontario and Yates Counties, to Schreier Contg. Co., Inc., 1279 Fillmore Ave., Buffalo $580,733 e.e. $813,873—1.81 mi. Onondaga Co., to Rochester Concrete Constr. Co., Inc., $63,243 e.e. $85,172—4.06 mi. Suffolk Co., to Northport Sand & Gravel Co., Washington St., Northport, $268,679 e.e. $361,366—0.2 mi. Oneida Co., to Dale Eng. Co., 404 Court St., Utica, $7,678 e.e. $9,266—0.45 mi. Erie Co., to Cold Spring Constr. Co., Ellicott Sq., Buffalo, $98,216 e.e. $125,700—5.56 mi. Suffolk Co., to Riteway Constr. Corp., 299 Bway., New York, $403,936 e.e. $586,899—6.79 mi. Orange Co. and 3.5 mi. Ulster Co., to Troy Paving Co., 418 Gay Bldg., Troy, $313,726 and $162,487 respectively e.e. $442,498 and $236,733 respectively—0.64 mi. Nassau Co., to Connor Bros., Long Beach Blvd., Long Beach, $57,143 e.e. $73,715—1.42 mi. Onondaga Co., to J. H. Corbett, S. A. & K. Bldg., Syracuse, $69,581 e.e. $102,636—bituminous macadam paving 0.68 mi. Nassau, to C. H. Earle, Inc., Rockville Center $60,839 e.e. $82,945—4.22 mi. Ulster Co., to J. Arborio, 59 Center St., New Haven, Conn., $317,874 e.e. $457,487—2.9 mi. Cortland Co., to Sweeney & Boland, 39 State St., Rochester $192,056 e.e. $268,777—6.81 mi. Chautauqua and Cattaraugus Counties, to A. A. Howard, Warsaw, $251,361 e.e. $360,843—0.3 mi. mixing Method Type 2 paving Nassau Co., to Good Roads Eng. & Contg. Co., Inc., 29 Atlantic Ave., Lynbrook, $167,847 e.e. $209,150—drainage system Nassau Co., to P. W. Barton, Freeport, $5,502 e.e. $6,482. Grand total $4,-335,749. Noted Aug. 16 and 23.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sidewalks on Barbey St., to J. A. Nicosia, 139 Throop Ave., $1,334—granite paving Columbia St., to R. Greico, 44 Russell St., $83,128—asphalt paving Fulton St., to F. J. Gallagher, 490 Park Pl., $4,112—asphalt paving Hoy St., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $34,901—Pitkin Ave. to Meehan Paving & Constr. Co., 90 West St., New York, $14,086—Maple St., to J. J. McCoy Asphalt Corp., Avenue U and East 57th St., $10,647. Grand total $14,[illegible]. Noted July 19.

N. Y., Buffalo—Erie Co., rein.-con. paving Myrtle Ave., C.A.T.H. 179, to Stanwell, Mumm & Beak, Camp Rd. and Erie R.R., Hamburg, $28,769. Noted Aug. 30.

N. Y., Long Island City—B. M. Patton, pres. Queens Boro, Queens Subway Bldg., asphalt paving 69 Lane and Roanoke St., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $16,730 and $11,797 respectively—45th Ave., to W. P. McDonald Constr. Co., Lawrence Ave., Flushing, $20,-272—Morton Ave., to Uvalde Asphalt Paving Co., 1 Bway., New York, $14,6[illegible]—asphalt block paving Steinway Ave., to Stanhy Constr. Co., Steinway Ave., $145,-109. Grand total $208,546. Noted July 19.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Boro Hall, grading Eastern Blvd., to I. F. Cavaluzzo, 1300 Cromwell Ave., $47,151—asphalt block paving Rockwood St. and Waldo Ave., to Burnside Contg. Co., 270 Burnside Ave., $8,484 and $20,854 respectively—sewer in Lurting Ave., to Coddington Contg. Co., 2883 Coddington Ave., $4,830—East 152nd and East 142nd Sts., to M. Del Balso, 2551 Cruger Ave., $5,616 and $16,675 respectively. Grand total $103,610. Noted July 19.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., asphalt paving East 140th St. to Gaffney Constr. Co., Zerega and Storey Aves., $8,893—Stratford Ave., to Bronx Asphalt Co., $12,909—block asphalt paving McClellan St. to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., $7,735—Billingsley Terrace to L. DiMinna, 2366 Lorillard Rd., $35,409—grading Odell St. to M. Del Balso, 2551 Cruger Ave., $3,947, Plymouth Ave., to F. Gabrielle, 2750 Creston Ave., $3,816—East 227th St. and Seymour Ave., to F. Calvaluzzo, 1300 Cromwell Ave., $10,970 and $6,533 respectively. Grand total $90,212. Noted Aug. 9.

N. Y., New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., grading, sewer work in Concourse Yard, West 206th St. and Jerome Ave. for Rapid Transit R.R., to J. O'Connell, 4290 Martha Ave., $301,750. Noted Sept. 6.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, bituminous paving Fingerboard Rd., Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $20,-228; bituminous macadam paving Simonson Pl., to J. E. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $696; grading Amboy Rd., to J. J. O'Rourke, 238 Gordon St., $13,270. Grand total $34,194. Noted Sept. 6.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Atlantic Ave., to Vanbro Constr. Co., 24 Elizabeth St., Port Richmond, $33,555; concrete repaving Rockland Ave., to J. E. Donovan, 2207 Richmond Terrace, Port Richmond, $5,939. Noted Aug. 30.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, to Gallup Constr. Co., Merchants Bank Bldg., paving Spring St., $38,826; to Dickinson Co., Union Bldg., Huron St. $9,014; Hier St. $21,856; Broad St. $57,-481; East Fayette St. $96,384. Grand total $233,567. Noted Mar. 22.

N. Y., Syracuse—Bd Contr. & Supply, paving Bellevue Ave., to Dale Eng. Co., 1066 North Geddes St., $52,417—Avery Ave., to Rago Bros., Union Bldg., $109,458—resurfacing Forman Ave., to J. H. Gallup, Merchants Bank Bldg., $11,019. Grand total $172,894. Noted Aug. 30.

N. Y., Tompkinsville—(sta. Staten Island)—Jacob A. Fine Estates, 206 Bway., grading, curbing, guttering, sidewalks, mains, sewers, paving, to Lansdale Constr. Co., 104 West 42nd St., New York. Est. $109,500.

N. Y., West New Brighton (sta. Staten Island)—Jacob A. Fine Estates, 206 Bway., New York, curbing, guttering, sidewalks, mains, sewer, paving at Richmond Gardens, to Landsdale Constr. Corp., 104 West 42nd St., New York. Est. $300,000.

N. J., Hillside (br. Elizabeth)—Twp. Com., 7 in. rein.-con. paving Bailey Ave., to Nesto Constr. Co., 423 Amherst St., East Orange, $27,283. Est. $32,000.

N. J., Kearny (sta. Arlington)—Paving Central Ave., to Nesto Constr. Co., 423 Amherst St., East Orange, $113,587. Noted Sept. 6.

N. J., Milford—Hunterdon Co. (Flemington), penetration macadam paving Milford-Riegelsville Rd., to Sigafood & Poore, Riegelsville, $86,844. Noted Aug. 16.

N. J., West New York—Bd. Town Council, Municipal Bldg., grading, bituminous concrete paving Lincoln Pl., to R. and F. Concreting Co., Inc., 412 44th St., Union City, 89% est. $25,000. Noted Sept. 6.

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Streets and Roads (Continued)

Pennsylvania—State Hy. Comn., Harrisburg, grading, rein.-con. paving 25,273 ft. Montgomery Co., to McInerney & McNeal, Easton, $193,359—concrete paving 29,300 sq.yd. Wayne Co., to Tyler & Cole, Meshoppen, $132,867—12,550 sq.yd. Clarion Co., to State Constr. Co., New Kensington, $65,807—45,300 sq.yd. Crawford Co., to Eastern States Constr. Co., Mercer, $174,438—8,160 sq.yd. McKean Co., to W. D. Fote, Clean, N. Y. $40,926—7,500 sq.yd. Delaware Co., to Suburban Constr. Co., Ardmore, $59,846—11,670 sq.yd. Cumberland Co., to W. T. Staats & Co., Harrisburg, $63,556. Grand total $730,799. Noted Aug. 23.

Pennsylvania—State Hy. Comn., Harrisburg, grading 14,759 ft. Chester Co., to V. De Francesco, Llanarch $32,287—bituminous macadam surfacing 10,549 ft. York Co., to J. C. Shawfield, Union Trust Bldg., Harrisburg $49,294—concrete paving 42,000 sq.yd. Schuylkill Co., to Georges Constr. Co., Uniontown $222,568—14,000 sq.yd. Blair Co., to Tri State Eng. Co., 39 Liberty Trust Bldg., Cumberland, Md. $64,589—19,054 ft. Montgomery Co., to Pottsville Constr. Co., Pottsville $179,763—3,500 sq.yd. McKean Co., to H. S. Hull, Smethport $17,433—15,100 sq.yd. Westmoreland Co., to Herrmann & Gass, Latrobe $73,274—6,400 sq.yd. Susquehanna Co., to E. V. Chappelle, 40 Wall St., Binghamton, N. Y. $56,942—75,000 sq.yd. Tioga Co. and 34,600 sq.yd. Columbia Co., to Colonial Constr. Co., 902 Arrott Bldg., Pittsburgh $404,467 and $211,065 respectively. Grand total $1,311,682. Noted Aug. 23.

Pa., Pittsburgh—City Controller, City-County Bldg., grading, curbing, paving Irvine St., Hazelwood Dist., to M. O'Herron Co., South 15th and McKean Sts., $174,749. Noted Aug. 2.

Maryland — State Roads Comn., Baltimore, concrete paving 3.04 mi. Contr. 178C, Carroll Co., to Thomas, Bennett & Hunter, Westminster, $66,223.

Md., Baltimore — Bd. Awards, concrete paving 7,350 sq.yd. Contr. 480, to Arundel Contg. Co., Knickerbocker Bldg., $17,081. Noted Aug. 23.

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,600 sq.yd. Contr. 481, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $51,848. Noted Aug. 30.

Va., Richmond—Paving, improving Spring Hill and other streets, to G. P. Clay, $18,752; paving in West End, to R. R. Williams, 1211 North 22nd St. $12,253.

W. Va., Wheeling—Ohio Co., concrete paving 1½ mi. Glenne Run-Cherry Hill Rd., to Stringer & Springer Constr. Co., Wheeling Bank & Trust Bldg., $45,337.

Ala., Birmingham—City Comn. (**e.e. means engrs. est.**), to Newell Constr. Co., Martin Bldg., curbing, guttering, cement sidewalks, 2 in. asphalt on 5 in. concrete paving 5 blocks 7th St. W., $16,290 e.e. $24,500; curbing, guttering, cement sidewalks, 2 in. asphalt on 6 in. concrete paving 4 blocks 6th Ave., $14,317 e.e. $15,000; 2 blocks 46th St., $8,048 e.e. $8,975; 2 blocks Oweenton Ave., $9,878 e.e. $10,100—to Morgan Hill Constr. Co., Woodward Bldg., 7 blocks Ave. M, Ensley, $26,451 e.e. $38,400; 2 in. asphalt on 6 in. concrete paving 250 ft. Ave. R, Ensley, $1,020 e.e. $1,155—to W. H. Pattie Co., 1566 North 23rd St., 2 blocks 6th St. N., $6,225 e.e. $8,700—to Southern Roads Co., Pioneer Bldg., 3 blocks 9th Court, $8,791 e.e. $9,150—to Fromholt Co., American-Traders Bldg., ½ block Georgia Rd., $1,103 e.e. $2,050—to H. N. Bowdry, Alabama Power Co's Bldg., 3 blocks 6th Ave. W., $17,772 e.e. $18,100—to Christie Hutchison Co., American-Traders Bldg., 3 blocks 17th St. S., $11,856 e.e. $12,250—to Dunn Constr. Co., Lincoln Life Bldg., 5 blocks 18th St., $24,126 e.e. $25,100—to Wesco Co., Martin Bldg., 2 blocks 6th Ave. S., $4,695 e.e. $5,100—to Christie Constr. Co., American-Traders Bldg., 3 blocks 5th Ave. N., $9,037 e.e. $10,100. Grand total $159,609. Noted Aug. 30.

Miss., Belzoni—Humphreys Co., improving 46.64 mi. Yazoo City-Moorhead Rd., to T. L. James, Ruston, La., $90,463.

Miss., Jackson — Hinds Co., improving Edwards-Utica Rd., 6,500 cu.yd. excav., 10,000 units overhaul, 508 cu.yd. gravel surfacing, 7,000 cu.yd. overhaul, also grading, concrete paving 0.525 mi. Raymond-Utica Rd., to Lawrence Constr. Co., Lamar Life Bldg. $410,190.

Miss., Lexington—Holmes Co., grading, graveling Lexington St. to line of Beat 3, to Standard Hy. Co., Inc., Hammond, La., $45,000.

Tenn., Ripley—Paving, curbing, guttering principal streets, to W. J. Parson, Jackson, $57,862.

Tenn., Selmer—McNairy Co., grading, hard-surfacing 13 mi. State Hy. 15, to Jameson Bros., Inc., High Point, N. C. Est. $34,000. Noted July 26.

O., Akron — F. E. Swineford, dir. Pub. Serv., (**e.e. means engrs. est.**) grading, curbing with (**a**) stone (**b**) concrete paving with (*) Texaco (**) Trinidad (**1**) 4,570 ft. Westover Dr. et al., (**2**) 717 ft. Nome Ave. (**3**) 1,529 ft. Greenwood Ave. (**4**) 1,157 ft. Bell St. et al., (**5**) 610 ft. Mineola Ave., grading, concrete guttering (**6**) 1,000 ft. Arnold Ave., to Columbus Asphalt Paving Co., 309 Buckeye Bldg. (**a*1**) $73,831 e.e. $109,000 (**b*2**) $17,919 e.e. $32,400 (**3**) $20,127 e.e. $32,900—to T. E. McShaffrey Constr. Co., 173 South Forge St. (**b*4**) $23,567 e.e. $33,000—to McCourt Constr. Co., 369 South Main St. (**b**5**) $14,408 e.e. $21,700—to Guran & Brancich, 429 Matthews St. (**6**) $2,973 e.e. $3,800. Noted Aug. 9.

O., Cincinnati—Grading, curbing, sidewalks, concrete repaving 8,600 sq.yd. Riverside Dr. and Hillside Ave., to A. E. Freshwater & Sons, 312 Hazen Bldg., $43,370, est. $49,485—14,700 sq.yd. Baltimore Ave., to Andrews Asphalt Co., 308 Eagles Savings Bldg., $74,633, est. $85,706—16,000 sq.yd. Rapid Run Pk., to Hannon-Hughes Constr. Co., 911 Atlas Bank, $92,580; est. $117,310. Grand total $210,583.

O., Cleveland—Cuyahoga Co., grading, curbing, guttering, 3 in. vitr. brick paving 20,050 sq.yd. Wagar Rd. 2, to Cleveland Trinidad Paving Co., Western Reserve Bldg., $117,366.

O., Cleveland—Grading ,concrete paving 14,950 sq.yd. Lee Rd. 9, to Cleveland Trinidad Paving Co., Western Reserve Bldg., $69,859.

O., Columbus — F. L. Donnally, clk. Franklin Co., grading, bituminous macadam paving 0.21 mi. Sharon Twp., to J. M. Snouffer, Dublin, $5,583—3.057 mi. Jefferson Twp., to Cleveland Trinidad Paving Co., Grand Theater Bldg., $50,331—0.154 mi. Clinton Twp. and scarifying 5 in. waterbound macadam repaving 1.33 mi. Truro Twp., to Barricklow Constr. Co., 1775 Franklin Park South, $6,352 and $9,340 respectively. Grand total $71,606. Noted Aug. 23.

Ind., Brazil—Clay Co., concrete paving H. H. Ward Rd., to Foulkes Contg. Co., 705½ Ohio St., Terra Haute, $111,779.

Ind., Crown Point—Lake Co., asphaltic concrete paving Herman L. Key Rd., to Williston Constr. Co., 105 Circle Ave., South Bend, $90,800; concrete paving P. R. Hale Rd., to J. J. Nejdl, Whiting, $248,000. Noted May 3.

Ind., Evansville—Vanderburgh Co., concrete paving Weinback Rd., to Yeager Constr. Co., Evansville, $28,400; Mohn Rd., to Coulson & Reinga, Inglefield, $16,399.

Ind., Indianapolis—Bd. Wks., concrete paving Boulevard Pl., to W. D. Vogel, 702 West Morris St., $20,182; asphaltic concrete paving Tibbs Ave. and Boulevard Pl., to Indiana Asphalt Paving Co., 2810 Columbia Ave., $20,154 and $12,567 respectively. Grand total $52,903.

Ind., South Bend — Concrete paving, widening 22nd St., to Albert Constr. Co., South Bend, $66,315. Noted May 10.

Mich., Dearborn—Concrete curbing, 8 in. concrete paving 40,000 sq.yd., to Otis Cement Constr. Co., 419 Hammond Bldg., Detroit, $123,560.

Mich., Escanaba — For 7 in. concrete paving 16,988 sq.yd., to Delta Constr. Co., Escanaba, $53,103. Noted Aug. 2.

Mich., Flint—Concrete curbing, one course concrete paving 20,000 sq.yd. Fenton Ave., to White Constr. Co., 1550 Buhl Bldg., Detroit, $65,474.

Mich., Pontiac — Oakland Co., grading, one course Class "F" concrete paving 70,400 sq.yd. Maple Rd., to S. A. Healy Co., 6567 East Seven Mile Rd., Detroit. Est. $300,000.

Ill., Alton—Grading, curbing, concrete paving Riley Ave., to Strubel & Helmick, 1117 West 9th St., $8,335; Park Dr., to J. B. Miller, 519 Belle St., $17,027.

Ill., Fox Lake—For 80,000 sq.ft. concrete sidewalks, to Central West Constr. Co., Wheaton, $35,047. Noted Aug. 23.

Ill., Hinsdale—Rein.-con. paving 21,000 sq.yd. Radcliffe Park and 42,600 sq.yd. Southwest Paving Dist., to Sternberg-Powell Co., 53 West Jackson Blvd., Chicago, $75,795 and $152,538 respectively—11,400 sq.yd. Grant St., and concrete paving 7,000 sq.yd. Vine St., to United Contractors, Glen Ellyn, $39,054 and $28,354 respectively—rein.-con. paving 9,547 sq.yd. Madison St., and 47,306 sq.yd. Cass St., to Powers-Thompson Co., Joliet, $40,369 and $167,760 respectively. Grand total $504,041.

Wisconsin—State Hy. Comn., Madison, concrete paving 49,941 sq.yd. Project 340-C, Buffalo Co., to V. Carlson & Sons, Inc., 534 Securities Bldg., Minneapolis, Minn., $106,208.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Badger Constr. Co., 97 East Wisconsin Ave., grading, paving Fiebrantz Ave. $7,537—to A. J. Koch, 1297 Cramer St., 65th St. $2,419; Stevenson St. $720—to Schwerm Bros., 50 Lee St., 66th St. $4,433; 67th St. $4,422; 2 alleys $5,440—to Bodemann Constr. Co., 631 48th St., 68th St. $2,069; 1 alley $8,320—to N. Harris, Girard and St. Albian Sts., 1 alley $344—to Eastern Constr. Co., 878 Franklin Pl., 3 alleys $5,649—to J. C. Bluhm & Son, 1299 Achilles Pl., 1 alley $3,317. Grand total $44,671. Noted Aug. 23.

Iowa—State Hy. Comn., Ames, grading paving 7,900 sq.yd. roads Adair Co., to Wright Constr. Co., 1325 Main St., Des Moines, $20,517—25,069 sq.yd. Jackson Co., and 10,941 sq.yd. Keokuk Co., to C. H. Atkinson Paving Co., Watertown, S. D., $56,632 and $32,745 respectively — 5,637 sq.yd. Johnson Co., to E. Horrabin Constr. Co., 15 East College St., Iowa City, $23,539—199,222 sq.yd. Lee Co., to Cameron-Joyce Co., Keokuk, $436,856—76,472 sq.yd. O'Brien Co., to C. F. Lytle Constr. Co., Finance Bldg., Sioux City, $173,245—11,392 sq.yd. Washington Co., to Des Moines Asphalt Paving Co., 2nd and New York Sts., Des Moines, $25,405—grading, culverts 4.47 mi. Cass Co., and 2.204 mi. Pottawattamie Co., to J. A. Carlson Constr. Co., Omaha, Neb., $34,863 and $21,055 respectively—0.856 mi. Clinton Co., to E. Sash, Cedar Rapids, $4,965—4.507 mi. Delaware Co., to T. Ryan & Sons, Missouri Valley, $25,690—10.$\frac{56}{76}$ mi. P-576 Pottawattamie Co., to G. W. Condon, 415 Farnum St., Omaha, Neb., $67,047—0.934 mi. Washington Co., to Longerbone Bros., 1310 Market St., Des Moines $4,722—7.362 mi. Winneshiek Co., to Jenner Bros., Davenport, $45,059. Grand total $971,807. Noted Aug. 30.

Ia., Allerton—Wayne Co. grading 12.542 mi. U. S. Hy. 65, to Roberts Constr. Co. 404-5 1st. Nat'l. Bldg., Lincoln, Neb. $91,842.

Ia., Chariton—Lucas Co., grading 2.883 mi. U. S. Hy. 34, to Elarton & Elliott Bussey, $29,873.

Ia., Decorah—Winneshiek Co., to Fred Carlson Paving Co., Decorah, improving roads, 15,020 sq.yd. concrete paving at $2.30 per sq.yd., 4,950 ft. curb and gutter $0.80, 1,287 cu.yd. excav. $0.70, 8 curb inlets $35 each, 1,040 ft. 12 and 15 in storm sewer $1.25 and $1.50, 225 cu.yd. gravel or crushed stone shoulders $2.30 1,000 lb. extra reinforcing $0.04, 10 cu.yd extra concrete $15.

Ia., Lisbon — Curbing, guttering, 7 in rein.-con. paving 10,700 sq.yd., to Karnerman Bros., Muscatine, $23,362. Est. $26,114. Noted Aug. 2.

Ia., Northwood — Worth Co., grading 6.593 mi. U. S. Hy. 65, to G. C. Condon, Omaha, Neb., $27,535.

Ia., Ottumwa—E. J. Chambers, city clk., gravel concrete paving 32,000 sq.yd. 3 alleys, East Court, Elm, Ogden, Cherry, Grant, Fellows, Mill, Spring, Sheffield, Clarence, Woodland, West and Benton Sts., to J. C. Blunk Constr. Co., $73,231; Ballingall branch sewer extension, to Quinn & Brady Constr. Co., Ottumwa, $4,245.

Ia., Waukon—Allamakee Co., 6 in. concrete paving 1.8 mi. U. S. Hy. 55, to Booth & Olson, 318 Exchange Bldg., Sioux City, $47,519.

Ia., Waverly—Bremer Co., 7 and 10 in. concrete paving 6.541 mi. Primary Road 10, to Bryant Paving Co., Black Hawk Bldg., Waterloo, $157,612.

Kan., Anthony—Harper Co., grading, bridging 8.918 mi. Federal Aid Project 361-B, to Shultz Constr. Co., Wichita, $35,433; 2 bridges, to Hungerford Constr. Co., Wichita, $4,476. Noted Aug. 9.

Kan., Dodge City—Ford Co., to Hall-Hardman Constr. Co., Alton, sand gravel surfacing 3.959 mi. Project 570, $5,889; 12.102 mi. Project 571-A, $23,660; 11.151 mi. Project 571-B, $21,781. Grand total $51,330. Noted Sept. 6.

Kan., Eldorado — Clerk Butler Co., concrete or brick paving 23,275 sq.yd. Federal Aid Project 239-A, to Roberts Constr. Co., Box 287 Hutchinson, $51,572; grading, bridging 38,789 cu.yd. Federal Aid Project 239-G, to R. G. Aldridge Constr. Co., 2034 North 7th St., Kansas City, $43,820 and $5,183 respectively. Grand total $100,575. Noted Aug. 2.

Kan., Ft. Scott — Clerk Bourbon Co., grading, bituminous macadam paving 52,384 sq.yd. Federal Aid Project 335-A, Dist. 5, to O. O. Fuller, Nevada, Mo., $111,036. Noted Aug. 16.

Kan., Kingman—Kingman Co., grading and 3 bridges on 8.187 mi. Federal Aid Project 341-E, to Campbell Bros., 608 Manufacture Exch., Kansas City, Mo., $31,857 and $5,929 respectively. Noted Aug. 23.

Kan., Marion—Marion Co., sand gravel surfacing 7.461 mi. US. Rd. 50-S, Project 646, to Roberts Constr. Co., P.O. Box 287, Hutchinson, $12,299. Noted Aug. 9.

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Streets and Roads (Continued)

Kan., Newton — Harvey Co., grading 11.045 mi. Project 560, to A. L. Cook, Ottawa $45,644—sand gravel surfacing 2.488 mi. Project 676, to F. B. Corneilson, Wichita, $3,750—2 bridges, to E. W. King, Hesston, $27,208. Noted Aug. 16.

Kan., Phillipsburg—Phillips Co., grading 2.5 mi. Rd. K9, Project 611, to Rogers Constr. Co., Norton, $14,818; 3 bridges on same project, to G. F. Bump, Norcatur, $7,170. Noted Aug. 9.

Kan., Wellington—Sumner Co., grading, culverts 14.319 mi. Project 49-5-Kansas 667-A, to E. W. Kolterman, 404 Securities Bldg., Omaha, Neb., $55,716.

Neb., Grand Island—H. E. Clifford, city clk., curbing, asphalt or asphaltic concrete paving 10,707 sq.yd. Dist. 76 (West Koenig St.), to Diamond Eng. Co., 112½ North Locust St., $30,340.

North Dakota—State Hy. Comn., Bismarck, to G. Grant Constr. Co., St. Paul, grading 13.702 mi. Project 260-H, $39,376; 2.062 mi. Projects 260-H and 1025-A, $7,123; and 9.009 mi. Project 366, Pembina Co. $20,728—to A. Campbell, Grace City, 8.079 mi. Project 372-A, Rolette Co. $28,019—to W. Collins, Lakota, 12.486 mi. Project 344-B, Ramsey Co., $33,572. Grand total $128,748.

Wyoming—State Hy. Comn., Cheyenne, grading, 17,400 cu.yd. and constructing 3 timber bridges on Federal Aid Project 173-B, Uinta Co., to Morrison Knudson, Boise, Idaho, $69,501; crushed gravelling 16,656 cu.yd. State Project 729, Niobrara Co., to T. J. Tobin, Madison, S. D., $47,120.

Mo., Butler—Concrete paving, to Thogmartin & Ries, Ft. Scott, Kan., $24,379. Est. $25,000. Noted July 5.

Mo., Kansas City—Vitr. brick paving West Linwood St. between Main St. and Bway., to Gray Paving & Material Co. 1927 Vine St., $32,131.

Mo., Pleasant Hill—Concrete paving 10,028 sq.yd. Cedar and 1st Sts., to E. D. Tyler Constr. Co., 14th and Elmwood Sts., Kansas City, $23,366. Est. $25,000. Noted Aug. 16.

Mo., Rockport—Atchison Co., 30 ft. grading 4.899 mi. Project 309-B, to G. W. Condon Co., 223 Grain Exch. Bldg., Omaha, Neb., $49,936.

Ark., Harrison—Bd. Comrs. Paving Dist. 4, grading, curbing, 125 cu.yd. 1, 2, 3 concrete and 14,000 sq.yd. plain concrete paving, to Turk Constr. Co., 221 Vernon Ave., Little Rock, $43,000. Noted June 7.

Texas — G. Gilchrist, state hy. engr., Austin, grading 9.84 mi. hy. in Rosebud and Custer Counties, to J. M. Carter, Billings, $50,610. Noted June 14.

Tex., San Antonio—See "Proposed Work."

Oklahoma — State Hy. Dpt., Oklahoma City, grading 3.5 mi. Jackson Co., to D. Sweeney, 614 West 11th St., Oklahoma City, $20,105—13 mi. Okfuskee Co., to R. T. Amis, 3922 Euclid St., Kansas City, Mo., $60,531, est. $70,000—4.849 mi. Oklahoma Co., to Maney & Alley, Empire Bldg., Oklahoma City, $26,857 est. $30,000—sheet asphalt paving 19,598 sq.yd. Canadian Co., to Park & Co., Okmulgee, $65,707, est. $75,000—47,000 sq.yd. Oklahoma Co., to Western Paving Co., Petroleum Bldg., Oklahoma City, $146,810, est. $165,000. Grand total $320,010. Noted July 26.

Okla., Cement—Grading, concrete paving 7,860 sq.yd. Bway., to Highway Constr. Co., Kennedy Bldg., Tulsa, $26,116. Est. $27,000.

Okla., Chickasha—Grading, concrete paving 9,100 sq.yd. 9th and Virginia Sts., to Edmiston Constr. Co., Chickasha, $26,463. Est. $28,000.

Okla., Clinton—Grading, concrete paving 8,870 sq.yd. North 14th St., to Standard Paving Co., 2119 East 11th St., Tulsa, $29,401. Est. $30,000.

Okla., Medford—Grading, concrete paving 6,100 sq.yd. Guthrie St., to Waid Beckman & Brooks, 1801 East 9th St., Oklahoma City, $25,101. Est. $27,000.

Okla., Shawnee—Grading, sheet asphalt paving 6,100 sq.yd. Dist. 67, to H. L. Connady & Co., 1122 South Lewis St., Tulsa, $24,430. Est. $26,360.

Okla., Weatherford—Grading, concrete paving 15,000 sq.yd. Caddo St., to Standard Paving Co., 1742 East 6th St., Tulsa, $45,812. Est. $54,000.

Colo., Colorado Springs — Broadmoor Hotel Co., c/o C. L. Tutts, 301 Mining Exch. Bldg., reservoir, to W. A. Colt & Sons, Las Animas, $25,000.

Wash., Seattle—Bd. P. Wks., paving 6th Ave. (Denny Regrade), to George Nelson & Co., 231 Summit Ave. $1,516,974. Noted Sept. 13.

Wash., Tacoma—Light grading, curbing, concrete paving 31,146 sq.yd. Adams, Washington, North 33rd to 38th Sts. (inclusive), and 11,404 sq.yd. South D-Division Lane-Pacific Ave., to S. A. Moceri, Inc., 1313 South 13th St., $74,259 and $26,592 respectively. Est. $82,770 and $29,545 respectively.

California—State Hy. Comn., Sacramento, widening, asphaltic concrete paving 6.1 mi. Tulare Co., to Valley Paving & Constr. Co., Visalia, $119,772. Est. $134,497—grading 5 mi. Glenn Co., to D. McDonald, 1118 G St., Sacramento, $35,143. Noted Sept. 13.

Calif., Long Beach—Grading, curbing, walks, 8 in. concrete paving 75,725 sq.ft. San Francisco Ave., to B. W. Hicks, 2364 Atlantic Ave., $30,193.

Calif., Los Angeles—Sidewalks, guttering, 8 in. concrete paving 258,019 sq.ft. Beverly Blvd., to Hollywood Paving Co., 8525 West 3rd St., $88,808. Est. $100,870. Noted Sept. 13.

Calif., Los Angeles—Bd. P. Wks., grading, sidewalks, guttering, 8 in. concrete paving 143,997 sq.ft. Riverside Dr., to G. R. Curtis Paving Co., 2440 East 26th St., $57,836; 5 in. sheet asphalt paving 187,742 sq.yd. and 6 in. asphalt paving 178,975 sq.ft. 105th St., to Warren Constr. Co., 2221 East 25th St., $39,734.

Calif., San Diego—Bd. Supervs., San Diego Co., grading, 2 in. warrenite on 3 in. asphaltic concrete paving 237,978 sq.ft., 5 in. concrete paving 14,451 sq.ft. 9th and other streets in Silver Strand Beach Gardens, to Griffith Co., 1308 Newton Ave., $84,265. Noted Aug. 23.

Calif., San Rafael — Grading, asphaltic concrete on waterbound macadam paving H and 5th Sts., to Hollywood Paving Co., 8525 West 3rd St., Los Angeles, $68,891.

Ont., Ford—Concrete paving Tourangeau Rd., Alice St. and George Ave., to Merlo, Merlo & Ray, Sandwich St., $34,859; concrete sidewalks on 5 streets, to E. Warner, Sandwich, $3,021. Est. $40,000.

Ont., Walkerville—Concrete paving Ypres Ave., to Premier Constr. Co., 924 Windsor Ave., Windsor, $32,866; Mohawk St., Arryle Court and 3 alleys, to Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, $14,642.

Ont., Walkerville—Concrete paving Vimy Ave., Turner Rd. and 4 alleys, to Merlo, Merlo & Ray, Sandwich St., Ford, $28,941; 4 roads and concrete sidewalks, to Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, $15,436. Est. $75,000. Noted July 5.

B. C., Point Grey—For 6 in. concrete paving, to Hodgson King & Marble Ltd., 626 Pender St. W., Vancouver, $9,265—to Armstrong, Morrison Paving Co., 553 Granville St., Vancouver, $23,801—to Dawson Wade & Co., 500 Beatty St., Vancouver, $8,589—to Harrison & Lamond, 615 Hastings St. W., Vancouver, $26,657—warrenite on rock paving, to Columbia Bitulithic Ltd., 500 Beatty St., Vancouver, $3,740. Grand total $72,052.

B. C., West Vancouver — For 7 in. concrete paving 3 ft., each side and warrenite bitulithic paving 12 ft. center 8 mi. Martha Dr., to Ellis-Cotton Ltd., False Creek Yd., Vancouver, $167,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Conneaut, O., November, $350,000.
Waterworks — Longview, Tex., Sept. 29, $23,000.
Sewers, Paving, etc.—Jacksonville, Fla., $1,500,000.
Sewage System—Lexington, Ky., Nov. 6, $1,100,000.
Sewers—Longview, Tex., Sept. 29, $45,000.
Roads—Covington County, Miss., $60,000.
Roads — Brown County, Tex., Oct. 1, $1,650,000.
Roads — Lavaca County, Tex., Oct. 9, $350,000.
Paving—Longview, Tex., Sept. 29, $95,000.
Roads—Jim Wells County, Tex., Oct. 2, $450,000.
Roads — Willacy County, Tex., Sept. 29, $400,000.
Schools—Neosho, Mo., $150,000.
City and Fire Hall — Rochester, Minn., $150,000.
Court House—Coleman, Tex., $250,000.

Bonds Voted

Waterworks—Pisgah, Iowa, $15,000.
Waterworks—Eden, Tex., $30,000.
Waterworks—Liberty, Tex., $50,000.
Waterworks—Oceanside, Calif., $110,000.
Paving—Ampleton City, Mo., $25,000.
Roads—Ellis County, Tex., $190,000.
Roads—Runnels County, Tex., $525,000.
Roads—Waller County, Tex., $330,000.
Airport—Amarillo, Tex., $100,000. J. D. Bartlett, Mgr.

Bonds Defeated

Waterworks—Bismarck, Mo., $47,000.

Buildings—Industrial

Proposed Work

Mass., Boston—AUTO SALES and REPAIR GARAGE—Packard Motor Car Co., A. MacAuley, pres., East Grand Blvd., Detroit, Mich., revised plans by A. Kahn, Inc., Marquette Bldg., Detroit, Mich., 4 story, 115 x 235 ft., rein.-con., steel, limestone addition, plain found., Commonwealth Ave. Est. exceeds $40,000. Former bids rejected. Noted July 12.

Mass., Worcester—GARAGE and SHOWROOM—Fay Barry Motor Co., 63 Harding St., plans by Frost, Chamberlain & Edwards, 390 Main St., brick, steel, Harding St. Est. exceeds $40,000.

Conn., Bristol—FACTORY—New Department Mfg. Co., 269 North Main St., soon lets contract 1 story, 125 x 200 ft., brick, steel addition, Terryville St. $75,000. Lockwood, Greene & Co., 24 Federal St., Boston, Mass., archts.

Conn., Thomaston — PLANT — Seth Thomas Co., Elm St., replacing several timber units with brick structure South Main St. To exceed $40,000. Engineer and architect not selected.

Conn., Waterford—SERVICE—Connecticut Power Co., 35 Union St., New London, plans by L. H. Goddard, 85 State St., New London, 3 story, 75 x 210 ft., brick, steel, $200,000.

N. Y., Brooklyn—SERVICE GARAGE—F. F. Pannaman, archt., 26 Court St., lets after Oct. 15, service garage, Gravesend Ave. and Avenue M, for S. and A. Rizzoni, 2063 61st St. $50,000. Noted Apr. 26.

N. Y., Holliswood (br. Jamaica)—SERVICE GARAGE—C. Hedwig, 98-02 195th St., plans by E. Guterman, 164 Montague St., Brooklyn, 80 x 97 ft., brick, concrete, 195th St. and 98th Ave. $50,000.

N. Y., New York—BAKERY and STORE—Golsam Realty Corp., S. Silverman, pres., 135 Bway., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 1 story, 90 x 166 ft., brick, Sedgewick and Van Courtland Aves. $60,000.

N. Y., New York—LOFT and STORAGE—Mosaic Tile Co., 327 West 42nd St., soon lets general contract 8 story loft and storage, 643 West 41st St. $100,000. F. S. Parker, 119 West 57th St., archt. Noted Aug. 30.

N. Y., New York—SERVICE GARAGE and APARTMENT—I. Shernon, 1136 Fox St., plans by Blejch & Gottlieb, 708 East Tremont Ave., 4 story, 50 x 107 ft., brick, 167th and 168th Sts. $55,000.

N. Y., New York—SERVICE GARAGE—Whitlock Realty Corp., W. J. McCormick, pres., 1050 Whitlock Ave., plans by C. A. Perice, 419 4th Ave., 1 story, 94 x 166 ft., brick, steel, concrete, Whitlock and Westchester Aves. $45,000.

N. J., Hillside (sta. Elizabeth)—FACTORY and OFFICE—Austin Co., engrs. and archts., 120 Bway., New York, soon lets general contract 2 story, basement, rein.-con., brick, steel, plain found., for Lionel Corp., 24 Neslett St., Newark. $40,000.

N. J., Jersey City—BAKERY—Vietmeyer Bros., Inc., 175 Sherman Ave., plans by W. Neuman, 40 Journal Sq., 2 story, basement, brick, steel addition, plain found., Sherman Ave. $50,000. Noted Aug. 30.

N. J., Little Ferry — WAREHOUSE, STORAGE TANKS, GARAGE and OFFICE—Texas Co., 60 Park Pl., Newark, 3 story, basement, brick, steel, plain found., Mehrhof Rd. $150,000.

N. J., Newark — ELECTRIC SUB-STATIONS—Pub. Serv. Electric & Gas Co., 80 Park Pl., sketches by Pub. Serv. Production Co., 80 Park Pl., 2 story, basement, 40 x 70 ft., 1233-9 Broad St., $60,000; 2 story, 100 x 115 ft., 304-12 Norfolk St., $75,000.

N. J., Newark — MANUFACTURING — Delagrave Co., 829 Bway., plans by W. Clifford, Jr., 293 Morris Ave., Elizabeth, 3 story, basement, 45 x 100 ft., rein.-con., brick, steel, plain found., Oraton St. $40,000.

Tenn., Sparta—SILK THROWING MILL—J. C. Welwood Corp., 2 Park Ave., New York, plans by Robert & Co., Bona Allen Bldg., Atlanta, Ga., silk throwing mill. $750,000.

O., Cincinnati — FACTORY — Container Corp. of America, 5500 Eastern Ave., soon lets contract 2 story, 180 x 300 ft., brick, steel factory. Devore Co., Cincinnati, engrs. and archts.

O., Cleveland—LAUNDRY—West Pennsylvania Laundry Co., A. J. Solder, pres., 10610 Madison Ave., plans by H. M. Morse, Finance Bldg., 1 and 2 story, 60 x 110 ft., brick, steel addition, Madison Ave. and Berea Rd. $40,000.

Ind., Ft. Wayne — MACHINE SHOP and SALES — Poinsatte Bros., 323 East

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Buildings—Industrial (Continued)

Washington St., plans by Pohlmeyer & Pohlmeyer, 260 Central Bldg., 1 story, 60 x 150 ft., brick, steel, machine shop and sales building. $50,000.

Mich., Highland Park (br. Detroit) — AUTOMOBILE PLANT — Chrysler Motor Car Co., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 1 story, 45 x 400 ft., rein.-con., brick top addition, Oakland Ave. $55,000.

Mich., Sturgis—PAPER PLANT—Natl. Carbon Coated Paper Co., plans by Billingham & Cobb, 211 Woodward Ave., Kalamazoo, 2 story, 80 x 200 ft., rein.-con., brick, plain found. $65,000.

Minn., Minneapolis — POWER PLANT and LAUNDRY—St. Barnabas Hospital, C. E. Purdy, secy., 1123 Metropolitan Life Bldg., plans by Magney & Tusler, 104 South 9th St., 2 story, basement, rein.-con., brick, stone, 6th St. between 9th and 10th Aves. S. $200,000.

Mo., St. Louis — FACTORY, WAREHOUSE and OFFICE—N. O. Nelson Mfg. Co., 928 Chestnut St., soon takes bids 2 story, basement, rein.-con., brick, Duncan and Boyle Aves. $300,000. P. J. Bradshaw, 718 Locust St., archt.

Mo., Piedmont — POWER PLANT — Arkansas-Missouri Power Co., J. S. Painter, local mgr., soon takes bids 56 x 56 ft., steel, granite addition, incl. 120 hp. Fairbanks, Morse & Co. oil type engine. Private plans.

Tex., Brady—POWDERED MILK FACTORY—Stock Co., c/o W. D. Crothers, chn., Brady, powdered milk factory, 120,000 lb. per day capacity. $275,000 incl. machinery. Private plans.

Tex., Gilmer — CREAMERY PLANT — Dixie Creameries, Inc., 2419 Southern St., Shreveport, La., creamery and cheese plant, $50,000. Private plans.

Tex., San Antonio—SUB-STATION—San Antonio Pub. Serv. Co., 201 North St. Marys St., large sub-station 10 mi. north of here. $100,000. Terrell Bartlett Engineers, Calcasieu Bldg., engrs.

Tex., Weslaco—COTTON MILL—T. E. Carpenter cotton mill, $75,000. Private plans.

Tex., Wharton — COTTONSEED OIL MILL—Farmers Gin Co., Georgetown, electrically equipped cottonseed oil mill, near here. $70,000. Private plans.

Okla., Clinton—BRICK PLANT—A. L. Bushong, Pittsburg, Kan., sketches brick plant. $60,000. Private plans.

Okla., Duncan—ICE PLANT—City, preliminary plans 50 ton raw water ice plant. $100,000. H. Sullivan, Lone Wolf, engr.

Okla., Holdenville—BRICK PLANT—J. B. Stamper sketches brick plant. $50,000. Private plans.

Ore., Burns—SAW MILL—Edward Hines Lumber Co., 2531 South Lincoln St., Chicago, Ill., saw mill.

California — SUB-STATIONS — Northwestern Pacific R.R., 64 Pine St., San Francisco, 2 sub-stations, one 1 story, 2,000 hp., Pine St., in Sausalito, other 1 story, 1,335 hp., in Baltimore Park. Private plans.

Calif., Colton—FACTORY—J. H. Miller, California Hotel Bldg., San Bernardino, group rein.-con. buildings, on 16 acre site, 8th St. Colton Building Material & Supply Co., and Colton Furniture Co., lessees.

Calif., Culver City—FACTORY—California Spanish Tile Roofing Co., plans by A. B. Sturges, 4354 West 3rd St., Los Angeles, 1 story, 65 x 156 ft., stucco, Elenda St.

Ont., Niagara Falls—BREWERY—Peninsular Distillery, P. Sandrene, mgr., converting old electric light plant into brewery. $100,000.

Ont., Peterborough—PUNCH PRESS—Canadian General Electric Co., Park St., 1 story, 110 x 328 ft., rein.-con., brick, steel, plain found., Park St. $100,000. Private plans.

Ont., Toronto—AUTO PLANT—Willys-Overland Ltd., Weston Rd., 4 story, basement, 60 x 260 ft., rein.-con., brick, steel addition, plain found., Weston Rd. $150,000. M. J. Steyffert, c/o owners, engr.

Ont., Walkerton—POWER PLANTS—W. B. Foshay Co., 9th St. and 2nd Ave. S., Minneapolis, Minn., improving plants, extending electric power lines into rural sections. $150,000. W. A. Emerson, Walkerton, engr.

Ont., Windsor—FACTORY—Chrysler Motor Corp. of Canada, J. D. Mansfield, pres., new factory.

Bids Desired

N. H., Hanover — GARAGE, SERVICE and REPAIR—Town, Bd. Selectmen, taking bids 2 story, basement, 50 x 90 ft., brick, plain found. $50,000. Wells & Hudson, Hanover, archts.

Mass., Andover — POWER HOUSE — Phillips Andover Academy, J. H. Buttimer, supt. Buildings, taking bids 1 story, basement, 80 x 85 ft., brick, rein.-con., plain found., Academy grounds. $40,000. R. D. Kimball Co., 6 Beacon St., Boston, archts.

Mass., Quincy (Ind. br. Boston)—MILK PLANT—H. P. Hood & Sons, C. Y. Nourse, in charge, 494 Rutherford Ave., Charlestown, taking bids brick, plain found. $40,000 or more. Private plans.

Mass., Roxbury (sta. Boston)—PLANT—House of Liederman, Inc., 169 Norfolk Ave., taking bids 2 story, rein.-con., brick addition, plain found., Norfolk Ave. $50,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Conn., Middletown—SERVICE—Connecticut Power Co., 335 Main St., taking bids two 2 story, 40 x 50 ft. and 50 x 145 ft., brick, steel wings. $200,000. Davis & Waldorf, 17 Whitney Ave., New Haven, archts.

Conn., New Haven — PUBLISHING PLANT—Sept. 24, by New Haven Register, 88 Crown St., brick, concrete. $150,000. Lockwood, Greene & Co., 100 East 42nd St., New York, archts.

Conn., Stamford—SERVICE GARAGE—Southern New England Telephone Co., 157 Church St., New Haven, taking bids 1 story, 87 x 162 ft., brick, steel, concrete, Jefferson St. $60,000. R. W. Foote, 185 Church St., New Haven, archt.

N. Y., Brooklyn—FACTORY—See "Contracts Awarded."

N. Y., New York — ICE HOUSE and GARAGE — See "Contracts Awarded."

N. Y., New York — MANUFACTURING LOFT — B. H. Whinston, archt., 6 East 46th St., taking bids general contract 14 story 50 x 98 ft. manufacturing loft, 353 West 37th St., for Bertjun Holding Corp., J. Kein, pres., 493 East 173rd St. $350,000. Noted Aug. 30.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Tonawanda—FACTORIES—Curtiss Aeroplane & Motor Co., 74 Kail St., Buffalo, bids about Oct. 1, 3 story, 60 x 200 ft., 1 story 200 x 1,500 ft., 200 x 200 ft. factories, 60 x 100 ft. garage, brick, steel. $1,000,000.

N. J., Asbury Park—MILK DISTRIBUTING PLANT—W. E. Lehman, archt., 972 Broad St., Newark, bids about Oct. 15, general contract 1 story, basement, 65 x 70 ft., brick, steel, plain found., Drummond Ave., for Alderney Diary Co., 26 Bridge St., Newark. $40,000. Noted Sept. 13.

N. J., Belvidere — DYE HOUSE and POWER PLANT — Sunbury Converting Wks., Sunbury, Pa., bids about Oct. 1, general contract 1 story, basement, brick, steel, plain found. $75,000. W. Dyer, Land Title Bldg., Phila., Pa., archt. Noted July 19.

N. J., Jersey City—BOILER HOUSE—See "Contracts Awarded."

N. J., Jersey City — FACTORY — J. T. Rowland, archt., 30 Journal Sq., taking bids general contract 2 story, basement, 35 x 132 ft., brick, steel, Johnson Ave., for C. Mundt & Sons, 53 Fairmount Ave. Est. $40,000.

N. J., Paterson—DYEING and FINISHING PLANT—See "Contracts Awarded."

N. J., Perth Amboy — FACTORY — D. Goldsmith, 128 Kearny Ave., taking bids general contract altering and constructing 2 story, 60 x 75 ft., brick, steel addition, plain found., East Ave. $40,000. Former bids rejected. G. M. Ricci, 224 Smith St., archt. Noted Sept. 6.

Md., Baltimore—SERVICE STATION—Sept. 26, by International Harvester Co., 81 Mosher St., 1 story, mezzanine, 125 x 260 ft., rein.-con., brick, steel, 25th St. near Kirk St. Noted June 21. W. D. Price, 606 South Michigan Ave., Chicago, Ill., supt. construction.

Ia., Dubuque — WAREHOUSE — C. I. Krajewski, archt., 730 Main St., bids about Oct. 1, 3 story, basement, 80 x 137 ft., brick, stone addition, plain found., for Metz Mfg. Co., 17th and Elm Sts. $60,000.

Wash., Tacoma—POWER HOUSE—See "Unclassified."

Tex., Lefors—BOOSTER PLANT—Texas Pipe Line Co. (Subsidiary Texas Corp., 17 Battery Pl., New York), taking bids for booster plant for use 160 mi. new line (now under construction). $100,000.

Tex., Port Aransas—CRACKING PLANT, etc.—See "Contracts Awarded."

Contracts Awarded

Mass., New Bedford — MANUFACTURING — Continental Wood Screw Co., P. Sweeney, Mt. Pleasant St., 2 story, basement, 60 x 100 ft., brick, steel addition, plain found., to W. Young, Union St. Est. $50,000. Noted Sept. 20.

Mass., Springfield—SERVICE and REPAIR GARAGE — J. C. Robinson, 1387 Main St., 1 story, 80 x 200 ft., brick, plain found., Memorial Ave., to F. T. Ley & Co., Inc., 1215 Main St. Est. $40,000.

Conn., Berlin — MANUFACTURING — Goss & Deleeuw Machine Co., 1 story, 100 x 175 ft., brick, steel addition, plain found., to Aberthaw Co., 80 Federal St., Boston, Mass. Est. exceeds $40,000.

Conn., Bridgeport—PLANT—Bridgeport Hdw. Mfg. Co., 461 Iranistan St., 2 story, basement, brick, rein.-con., Washburn St., to S. W. Hubbell Building Co., 589 Knowlton St. $40,000. Noted Sept. 6.

Conn., New Haven—POWER SUB-STATION—United Illuminating Co., Temple St., 1 story, 30 x 80 ft., brick, steel, concrete, Goffe St., to B. N. Blatchley, 902 Chapel St. $40,000 or more.

N. Y., Brooklyn—FACTORY—Newbrook Building Corp., R. Cantor, pres., 195 Jefferson Ave., 4 story, 75 x 100 ft., factory, West 9th and Roebling Sts., separate contracts. $100,000. M. Klein, 65 Court St., archt.

N. Y., New York—ELECTRIC POWER PLANT—New York Edison Co., 130 East 15th St., general contract electric power plant addition, 701 East 14th St., to Ken Well Constr. Co., 45 East 17th St. Total Est. $1,850,000. Noted Aug. 30.

N. Y., New York — ICE HOUSE and GARAGE — A. J. Schwarzler, 369 East 167th St., 3 and 4 story, 135 x 138 ft., concrete, Devoe and 174th Sts., separate contracts. $150,000. C. Schaefer, 332 East 149th St., archt.

N. Y., New York—SERVICE GARAGE—Arespee Realty Corp., 151 West 42nd St., H. Perlman, pres., 1 story, 91 x 125 ft., brick, Westchester and Pugsley Aves., day labor. $50,000.

N. Y., Queens (Ind. br. Jamaica) — BAKERY — H. Holder, archt., 242 Franklin Ave., Brooklyn, general contract 1 and 2 story, 200 x 260 ft., brick, steel, rein.-con. addition, to Willcox Constr. Co., 1 Bridge Plaza, Long Island City, for Dugan Bros., Inc., 288 5th St., Brooklyn. Est. $300,000. Noted Aug. 30.

N. J., Jersey City—BOILER HOUSE—Amer. Can Co., 120 Bway., New York, 2 story, basement, 90 x 98 ft., rein.-con., brick, steel, plain found., 315 St. Pauls Ave., separate contracts. $50,000. Private plans.

N. J., Paterson—DYEING and FINISHING PLANT—Columbia Piece Dye Wks., 182 Sheridan Ave., 2 story, basement, brick, steel, rein.-con., plain found., 174 Sheridan Ave., separate contracts. $40,000. J. Van Vlandran, 140 Market St., archt.

N. J., Perth Amboy — TILE PLANT — American Encaustic Tiling Co., Mauer, general contract 2 story, 60 x 100 ft., rein.-con., brick, concrete pile found., State St., to Austin Co., 120 Bway., New York, N. Y. Est. $40,000.

O., Akron—WAREHOUSE—B. F. Goodrich Co., South Main St., 9 story, basement, 148 x 260 ft., concrete, steel, brick, to Carmichael Constr. Co., Central Savings & Trust Bldg., $1,000,000.

O., Alliance — FACTORY — Transue-Williams Steel Forgings Corp., 1 and 2 story, brick, steel addition, to H. K. Ferguson Co., Hanna Bldg., Cleveland. Est. $100,000.

O., Cincinnati — FACTORY — Bruckman Co., Ludlow Ave., 2 story, basement, rein.-con., plain found., Streng St., to D. Meinken & Son, 2143 Barnard St., $57,000.

O., Painesville—POWER HOUSE—City, R. M. Evans, city mgr., 1 story, 40 x 46 ft., brick, steel power house for light plant, to Mitzel Co., B. F. Keith Bldg., Cleveland. Est. $40,000. Noted Aug. 2.

Ind., South Bend — FACTORY — Dodge Mfg. Co., steel contract 1 story, 99 x 200 ft., rein.-con., brick, steel, South Union St., to Indiana Bridge Co., Muncie. Est. $46,000.

Ind., South Bend—FACTORIES—Studebaker Corp., general contract 2 story, basement, 307 x 427 ft. machine shop, Sample St., and 1 story foreign depot, brick, steel to R. Sollitt & Sons, 518 Sample St. Est. $270,000 and $45,000 respectively.

Mich., Detroit—GASKET FACTORY—C. W. Brandt, archt., 2111 Woodward Ave., 1 story, part basement, 116 x 200 ft., concrete, brick, steel, plain found., to J. H. Reidinger Co., 6537 Russell St., for Detroit Gasket Co., 6209 Hamilton Ave. Est. $80,000.

Mich., Detroit — GYPSUM PLANT — U. S. Gypsum Co., 1418 Penobscot Bldg., 1 and 2 story, rein.-con., steel, plain found., Davison Ave. and River Rouge St., to M. C. Tuttle, 31 St. James Ave., Boston, Mass. Noted Aug. 16.

Mich., Flint—MACHINE SHOP—Chevrolet Motor Co., Genl. Motors Bldg., Detroit, 1 story, 205 x 315 ft., rein.-con., brick, steel, plain found., to H. G. Christman, Porter Apts. Noted Sept. 6.

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Buildings—Industrial (Continued)

Mich., Kalamazoo—POWER PLANT—Kalamazoo Stationery Co., Harrison St., 1 story, basement, 50 x 50 ft., rein.-con., brick, steel, plain found., Taylor St., to O. F. Miller Co., 224 Pratt Bldg. Est. $50,000.

Mich., Lansing — ENAMELING PLANT — Olds Motor Wks., Division St., 1 story, 40 x 200 ft., rein.-con., brick, steel, plain found., Division St., to Reniger Constr. Co., 127 North Cedar St. Est. $50,000.

Ill., Canton—PLANT—International Harvester Co., H. W. Bland, plant engr., two 1 story, steel additions to grinding building, steel storage and steel shearing department, to H. K. Ferguson Co., Hanna Bldg., Cleveland. Est. $100,000.

Ill., Chicago — FACTORY — S. Oppenheimer Co., 2700 South Wabash Ave., 1 story, basement, 125 x 155 ft. factory, Root St. and Lowe Ave., to Regan Constr. Co., 228 North La Salle St., $150,000.

Ill., Chicago — PRINTING — A. S. Alschuler, archt., 28 East Jackson Blvd., masonry and carpentry contract 6 story, basement, 90 x 350 ft., rein.-con., brick, to G. L. Arquette, 180 North Michigan Ave., for Cuneo Press, West 22nd and Grove Sts. Noted May 30.

Wis., Milwaukee — DRY CLEANING PLANT—M. Goldberg, 702 Lincoln Ave., 1 and 2 story, basement, 25 x 140 ft., and 25 x 25 ft., brick, plain found., Clinton St., to J. Steingert, 876 17th St. Est. $50,000.

Kan., Hutchinson—CLEANING PLANT—L. Lewis, 2 story, basement, 66 x 165 ft., rein.-con., brick, stone, to J. H. Shears & Son, 15 Hoke Bldg., Hutchinson, $53,000.

Kan., Wichita—PACKING PLANT—F. Dold & Sons Packing Co., 21st and Lawrence Sts., 1 story, basement, 100 x 180 ft., rein.-con., brick, 21st and Topeka Sts., to Siedhoff Constr. Co., Broadview Hotel Bldg. Est. $125,000. Noted July 26.

Mo., St. Louis — MANUFACTURING PLANT—Chandeysson Electric Co., 4092 Bingham Ave., 1 story, basement, rein.-con. addition, 10,000 sq.ft. floor space, Bingham Ave., to Widmer Eng. Co., 201 Roosevelt Bldg., $65,000.

Tex., Brownsville—PACKING PLANT—Texas Packing Co., 50 x 100 ft., citrus packing plant, stucco, corrugated iron $40,000. Owner builds. Private plans.

Tex., Port Aransas—CRACKING PLANT etc.—Humble Oil & Refinery Co., Aransas Pass, cracking (gasoline) plant $1,000,000, and 3 new stills $400,000, own forces. Private plans.

Tex., San Antonio—GARAGE—Smith Bros. Properties, Inc., 117 Villita St., general contract probably 7 story, 90 x 100 ft., rein.-con., steel, plain found., Bowens Island, Villita St. and Dwyer Ave., to McKenzie Constr. Co., Travis Bldg. Est. $350,000-$400,000.

Okla., Allen—OIL REFINERY—Howokla Oil Co., oil refinery, to Graver Corp., 4809 Todd Ave., East Chicago, Ind., $125,000.

Ont., Hamilton—FACTORY—Firth Bros. Ltd., 144 James St. N., 4 story, basement, 85 x 150 ft., rein.-con., brick, steel, to J. Poag, 9 Westinghouse Ave., $100,000. Noted Aug. 23.

Ont., Hamilton—FACTORY—J. M. Moore & Co., archts., 489 Richmond St., London, 2 story, basement, brick, steel, Dundurn St., to Frid Constr. Co., 17 Main St. E., for Natl. Hosiery Mills. Est. $70,000. Noted Aug. 23.

Ont., Toronto—FACTORY—Service Station Equipment Co., 510 King St. E., excavation for 1 story, part basement, 100 x 400 ft., rein.-con., brick, steel, plain found., to Orsini & Co., 3 Ellsworth Ave.; concrete, to Summerville Constr. Co., 2080 Danforth Ave.; roofing and sheet metal, to Canadian Rogers Sheet Metal & Roofing Co., 918 Palmerston Blvd. Est. $200,000. Noted July 12.

Ont., Toronto—FABRICATING SHOP—Dominion Bridge Co. Ltd., Redford Bldg., general contract 1 story, rein.-con., brick, steel addition, plain found., to Dickie Constr. Co., 17 Yorkville Ave. Est. $150,000. Noted July 12.

Buildings—Commercial

Proposed Work

Mass., Everett—HOSPITAL—City, J. A. Roche, mayor, City Hall, 2 or 3 story, basement, brick addition, plain found., Lawrence St. $150,000. Engineer and architect not selected.

Mass., Great Barrington—HOTEL—O. F. Hall, soon lets contract altering and constructing 4 story, basement, 50 x 125 ft., and 30 x 70 ft., rein.-con., brick, addition, plain found., Main St. Est. $150,000 or more. Private plans. Noted Aug. 16.

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Mass., Worcester — APARTMENT and STORE — E. Rosenthal, c/o Berenson & Moses, archts., 252 Asylum St., Hartford, Conn., 4 story, 50 x 100 ft., brick, steel, Washington and Franklin Sts. $150,000.

Conn., Hartford — STORE — Schulte United, Inc., 485-5th Ave., New York, 4 or 5 story, 82 x 110 ft., brick, steel, terra cotta, Main and Asylum Sts. To exceed $150,000. Private plans.

N. Y., Albany—DEPARTMENT STORE—Schulte-United, Inc., 485 5th Ave., department store, 25 North Pearl St. $500,000. Private plans.

N. Y., Albany—DISTRIBUTION CENTER—Montgomery Ward & Co., Chicago Ave. and Larr St., 8 story distribution center, 750,000 sq.ft. floor space, on 23 acre site, Menanda.

N. Y., Astoria (sta. Long Island City)—APARTMENTS—Merchant Constr. Corp., 3504 31st Ave., plans by M. Margolin, 105 Court St., Brooklyn, eight 6 story, brick, timber, 24th Ave. and Crescent St. $200,000.

N. Y., Brooklyn — APARTMENT — Caumat Constr. Co., L. Shadorofsky, pres., 1553 Elsmore Pl., plans by Cohn Bros., 361 Stone Ave., 99 x 120 ft., brick, steel, East 46th St. and Church St. $225,000.

N. Y., Brooklyn—APARTMENT—Harry Koeppel Corp., 26 Court St., plans by Malkind & Weinstein, 93 Court St., 6 story, 95 x 103 ft., brick, timber, East 13th and Locust Sts. $150,000.

N. Y., Brooklyn — APARTMENTS — Modern Six Family Corp., 1054 Eastern Parkway, plans by A. Adams, 1222 70th St., ten 3 story, 75 x 82 ft., brick, steel, Willoughby and Cypress Aves. $150,000.

N. Y., Brooklyn—APARTMENT—Radelmore Realty Corp., M. L. Levine, pres., 32 Court St., plans by Cohn Bros., 361 Stone Ave., 6 story, 120 x 173 ft., brick, steel, Bay Parkway and Benson Ave. $400,000.

N. Y., Brooklyn—APARTMENT—Roche & Cardis, 1586 Flatbush Ave., plans by R. T. Schaefer, 1543 Flatbush Ave., brick, timber, East 67th St. and Ave. T. $190,000.

N. Y., Brooklyn—APARTMENT—Rubin Rockoff, 945 East 10th St., plans by Seelig & Finkelstein, 66 Court St., 4 story, 92 x 160 ft., brick, steel, plain found., Ocean Ave. and Avenue Y. $250,000.

N. Y., Brooklyn—APARTMENT—Three Hundred Forty-Seven 86th St. Corp., J. W. Lake, treas., 9221 3rd Ave., plans by Ricca & Ungarleider, 186 Remsen St., 6 story, 132 x 140 ft., brick, timber, 86th St. and 4th Ave. $400,000.

N. Y., Brooklyn—HOSPITAL—Harlow Realty Corp., I. Bloom, pres., 50 Court St., bids latter part October, 4 story, brick, Kings Highway and East 26th St. $200,000. Noted Aug. 30.

N. Y., Brooklyn—THEATRE—A. L. M. Development Corp., 3145 East 4th St., bids latter part September or October, general contract 1 story, 85 x 200 ft., brick, steel, Avenue M and East 19th St. $350,000. C. A. Sandbloom, 145 West 45th St., New York, archt. Noted Aug. 2.

N. Y., Brooklyn — THEATRE — DeKalb Co., H. Beck, pres., 162 Remsen St., plans by B. Driesler, Jr., 153 Remsen St., 2 story, 120 x 120 ft., brick, steel, Avenue U and Haring St. $500,000.

N. Y., Flushing — APARTMENT — W. Benton, 324 Grand Ave., Astoria, plans by B. Braunstein, 163-18 Jamaica Ave., Jamaica, 6 story, 89 x 120 ft., brick, timber, 150th St. and 32nd Ave. $200,000.

N. Y., Flushing—APARTMENT—Keen Holding Corp., 570 7th Ave., New York, plans by Gronenberg & Leuchtag, 1385 Bway., New York, 6 story, 122 x 176 ft., brick, timber, Sanford Ave. and Jaegar St. $350,000.

N. Y., Jamaica — APARTMENT and STORE—Benens Realty Corp., 26 Court St., Brooklyn, plans by Kavy & Kavovitt, 350 Stone Ave., Brooklyn, 6 story, 130 x 135 ft., brick, timber, Rector St. and Jamiaca Ave. $300,000.

N. Y., Long Island City—APARTMENT—Sagus Realty Corp., 2168 60th St., Brooklyn, plans by A. J. Simberg, 1133 Bway., New York, 6 story, 82 x 100 ft., brick, steel, 44th St. and 47th Ave. $300,000.

N. Y., New York—APARTMENT—Carmine Cioffi, Inc., 1695 Boston Rd., plans by G. W. Swiller, 4215 3rd Ave., 5 story, 95 x 105 ft., brick, timber, Lyvere and Tremont Aves. $150,000.

N. Y., New York—APARTMENT—Fifty-Five Avenue A Corp., S. Agoloft, pres., 26 Court St., Brooklyn, plans by Shampan & Shampan, 188 Montague St., Brooklyn, 12 story, 95 x 115 ft., brick, 87 Avenue A. $900,000.

N. Y., New York—APARTMENT—Garlock Realty Corp., S. Gordon, pres., 56 West 45th St., plans by C. B. Meyers, 31 Union Sq., apartment, Buhre and Parkview Aves. $200,000.

N. Y., New York — APARTMENT — Gomart Builders, Inc., M. Lowenthal, pres., 43 West Mt. Eden Ave., plans by L. Stillman, 2419 Webster Ave., 6 story, 103 x 191 ft., brick, steel, Powell and Pugsley Aves. $400,000.

N. Y., New York — APARTMENT — Hildorn Realty Corp., M. Fein, pres., 1028 East 179th St., plans by Lang & Rose, arcs., 1440 Bway., 6 story, 100 x 150 ft., brick, timber, Watson and Boynton Aves. $3[illegible]

N. Y., New York—APARTMENT—Minsam Realty Corp., C. W. Mack, pres., 255 Avon Ave., plans b L. Pisciotta, 1612 Arthur Ave., 6 story, 100 x 175 ft., brick, timber, 174th St. and Stratford Ave. $300,000.

N. Y., New York — APARTMENT — Thwartes Place, Inc., C. Singer, pres., 1383 Macombs Rd., 6 story, 130 x 131 ft., brick, timber, Barker Ave. and Pelham Parkway. $400,000. Cohn & Siegel, 45 West 75th St., archts. Noted Sept. 6.

N. Y., New York—APARTMENT—Up-to-date Development Corp., 2030 Watson Ave., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 82 x 125 ft., brick, timber, Hobart St. and Westchester Ave. $200,000.

N. Y., New York — STORAGE and APARTMENTS—One Hundred-Eighty-Two Corp., W. Guthman, pres., 119 West 40th St., plans by E. Roth, 1440 Bway., 10 story, brick, steel storage and apartment, 212 East 73rd St., and 10 story apartment, 214 East 73rd St. $400,000 each.

N. Y., New York—STORE and APARTMENT—UP-to-Date Development Co., 2056 Walton Ave., 6 story, 82 x 125 ft., brick, timber, separate contracts. $200,000. Springsteein & Goldhammer, 40 East 49th St., archts. Noted Sept. 6.

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and OFFICE—J. P. Friedhof, Elizabeth, N. J., bids after Jan. 1, general contract 8 story store and office building, Tremont and 3rd Aves. $200,000. A. J. Gette, 247 Madison Ave., archt. Noted Aug. 23.

N. Y., New York—STORE and OFFICE—Plaza Trust Co., A. Stewart, pres., 655 5th Ave., plans by Helmle, Corbett & Harrison, 130 West 42nd St., altering 8 story, 50 x 115 ft., brick, steel, 655 5th Ave. $250,000.

N. Y, New York—STORE and OFFICE—F. Lee & L. Realty Corp., 145 West 34th St., bids latter part November, general contract 22 story, 152 Madison Ave. $450,000. H. Oser, 1440 Bway., archt. Noted Sept. 6.

N. J., Elizabeth—Y.W.C.A., E. N. Reanshaw, chn., 614 Park Ave., sketches by Poggi & Bragdon, 275 Morris Ave., 3 story, basement, brick, steel, plain found., Madison Ave. $150,000.

N. J., Hasbrouck Heights (Ind. br. Hackensack)—APARTMENT—J. R. Cathcart, Passaic Ave., plans by O. J. Gette, 274 Madison Ave., New York, 5 story, basement, brick, steel, plain found., Henry St., Passaic and Terrace Aves. $200,000. Noted Sept. 6.

N. J., Irvington (br. Newark)—STORE and OFFICE—J. Gold, 1003 Springfield Ave., soon lets general contract 2 story, basement, 140 x 150 ft., brick, steel, plain found., Union and Clinton Aves. $150,000. P. Mertons, 2 Union Ave., archt. Noted May 31.

N. J., Jersey City — APARTMENT — Geshonowitz Bros., 171 Manhattan Ave., brick, steel, plain found., 1853-59 Hudson Blvd. $150,000.

N. J., Jersey City—APARTMENT—H. Goldowsky, 23 Warner Ave., plans by M. Kraut, 3010 Hudson Blvd., 5 story, basement, brick, steel, plain found., Jewett Ave. $250,000.

N. J., Newark—HOTEL—Ace Constr. Co., c/o Simpson & Rolston, archts., 45 Walnut St., 10 story, basement, 50 x 85 ft., brick, steel, plain found., 240 Mount Prospect Ave. $175,000.

N. J., Newark—HOTEL—A. Giacomelli, 139 Pennington St., rejected bids 12 story, basement, brick, steel, plain found., Pennington St. $350,000. N. Harris, 20 Branford Pl., archt. Noted July 12.

N. J., Newark—OFFICE—American Insurance Co., 70 Park Pl., plans by J. H. and W. C. Ely, 605 Broad St., 10 story, basement, brick, steel, plain found. $500,000. Noted Aug. 9.

N. J., Orange—APARTMENT—H. C. Cassim, c/o A. P. Nucciarone, archt., 206 Central Ave., sketches 5 story, basement, 145 x 200 ft., brick, steel, plain found., 280 Central Ave. $175,000.

N. J., Paterson—HALL of RECORDS and JAIL—Bd. Freeholders Passaic Co., Court House, revised plans by H. B. Crosby, 125 Ellison St., 8 story, 175 x 200 ft. brick, steel, plain found., Grand and Spring Sts. $500,000. Noted July 12.

Buildings—Commercial (Continued)

N. J., West New York—APARTMENT—N. Speranza & G. Betti, 722 Jackson St., 5 story, basement, brick, steel, plain found., 152-60 16th St. $150,000.

N. J., Woodbridge—APARTMENT—C. H. Reis, Inc., c/o P. J. Jossier, archt., 240 Broad Ave., Palisades Park, 3 story, basement, brick, steel, plain found., Valley and Sussex Rds. $150,000.

Pa., Melrose Park (mail Oak Lane Station)—APARTMENT—Thalheimer & Weitz, archts., 10 South 18th St., Phila., soon lets contract 4 story, basement, 90 x 200 ft., brick, steel, plain found., for J. M. Lindberg, 2622 East Allegheny St., Phila. $400,000.

Pa., Phila.—STORE and OFFICE—R. E. White, archt., Penna Bldg., soon lets contract 2 story, basement, 100 x 225 ft., rein.-con., brick, steel, plain found., 21st and Chestnut Sts., for E. M. Harris, Mutual Trust Bldg. $400,000.

Pa., Rochester — THEATRE — Majestic Amusement Co., c/o W. E. Snaman, archt., Empire Bldg., Pittsburgh, soon takes bids 2 story, brick, steel, Hinds St. $500,000.

D. C., Wash.—HOTEL—Owner, c/o M. B. Lepley, archt., 1010 Vermont Ave., 1,000 room hotel, Penn. Ave. and 6th St. N. W. $6,000,000.

D. C., Wash.—HOTEL—Pierson & Wilson, archts., Hill Bldg., bids latter part September, general contract hotel, E St. N. W., for Bellview Co., Inc., 1010 Vermont Ave. $800,000. Noted Aug. 2.

D. C., Wash.—HOTEL—Salvation Army, 607 E St., N.W., plans by C. L. Harding, Insurance Bldg., headquarters and hotel, 6th and E Sts. N.W. $500,000.

Fla., Ft. Lauderdale — HOTEL and STORE—Ft. Lauderdale Hotel Co., soon lets contract 5 and 6 story, tower, rein.-con. $550,000. W. A. Bennett, Real Estate Bldg., Miami, archt.

La., Houma—THEATRE, HOTEL and STORE—S. Schurto soon takes bids 2 story, basement, 117 x 237 ft., rein.-con., brick, stone. $250,000. Lockett & Chachere, Balter Bldg., New Orleans, archts.

Ky., Louisville—APARTMENT—L. Jacobson & Son Co., 444 South 5th St., apartment, on 229 x 509 ft. site, Brownboro Rd. and Pipe-line Lane. To exceed $600,000. Engineer and architect not selected.

Ky., Louisville—HOSPITAL—A. Loomis, archt., Todd Bldg., soon lets contract 3 and 4 story, 37 x 90 ft., brick, timber, Floyd and Kentucky Sts., for Jewish Hospital Assn., Floyd and Kentucky Sts. $150,000. Noted July 26.

O., Cincinnati—APARTMENT—J. S. Adkins, archt., 15 East 8th St., soon lets contract 8 story, basement, rein.-con., brick, plain found., Hackberry St., for Riverview Apartments, Inc., 900 Neave Bldg. $650,000.

O., Cleveland—STORE—Bing Furniture Co., J. M. Halle, vice pres., 522 Prospect Ave., sketches by Lehman-Schmitt Co., Hunkin-Conkey Bldg., 8 story, basement, brick, steel, concrete, 510 Prospect Ave. $350,000.

O., Cleveland — WAREHOUSE — W. S. Tyler Co., 3600 Superior Ave., soon lets contract 5 and 7 story, 66 x 97 x 125 ft., brick, rein.-con. addition, East 36th St. $350,000. G. S. Rider Co., Century Bldg., archt.

O., Mt. Healthy — EXCHANGE — Cincinnati & Suburban Telephone Co., 4th St., plans by H. Hake, 2400 Gilbert Ave., 2 story, basement, 101 x 153 ft., rein.-con., brick, plain found., Hamilton Pk. $150,000.

Ind., Madison—HOTEL—G. L. Denny plans by Henkel & Hanson, Connersville, rein.-con., brick, steel hotel. $150,000.

Mich., Battle Creek—THEATRE—W. S. Butterfield Theatres, Inc., 159 East Columbia St., Detroit, plans by J. Eberson, 212 Superior St., Chicago, Ill., 12 story, basement, rein.-con., brick, steel, plain found., West Main St. $500,000.

Mich., Pontiac—DETENTION HOME—Bd. Auditors Oakland Co., County Bldg., plans by L. J. Heenan, 43½ Pike St., 2 story, basement, rein.-con., brick, steel, plain found. $150,000.

Ill., Aurora — STORE and OFFICE — Graven & Mayger, archts., 180 North Michigan Ave., soon lets contract 2 story, basement, 100 x 180 ft., brick, plain found., for J. Sherer. $150,000.

Ill., Chicago — THEATRE, STORE and APARTMENT — Syndicate, c/o M. J. Schmidt, 3722 Southport Ave., and L. I. Simon, 179 West Washington St., plans by F. Steinborn, 179 West Washington St., 3 story, 200 ft. front, 3713-31 Southport Ave. $300,000.

Ill., Chicago—WAREHOUSE—John Sexton Co., 352 West Illinois St., plans by A. S. Alschuler, 28 East Jackson Blvd., 6 story, basement, rein.-con., brick, Illinois and Orleans Sts.

Wis., Milwaukee — STORE, BANK and OFFICE—Franklin Building Co., 85 East Wells St., plans by E. R. Liebert, 49 East Wells St., 5 story, basement, 60 x 144 ft., brick, steel, 11th and Wells Sts. $300,000.

Minn., Fergus Falls—HOSPITAL—State Bd. Control, St. Paul, plans by C. H. Johnston, 715,360 Robert St., St. Paul, 2 story, basement, rein.-con., brick receiving hospital for insane. $150,000.

Minn., Minneapolis — HOSPITAL — St. Barnabas Hospital, C. E. Purdy, secy., 1123 Metropolitan Life Bldg., plans by Magney & Tusler, 104 South 9th St., 4 story, basement, rein.-con., brick, stone, 7th St. between 9th and 10th Aves. $400,000.

Kan., Abilene — DEPOT — Union Pacific R.R., 1410 Dodge St., Omaha, Neb., H. C. Mann, ch. engr., soon takes bids 1 story, basement, 32 x 185 ft. passenger depot, 1 story, basement, 30 x 164 ft. freight depot, brick, hollow tile. $150,000.

Kan., Salina—OFFICE—United Life Insurance Co. plans by C. W. Shaver, 147½ Santa Fe St., 7 story, basement, 48 x 120 ft., rein.-con., brick, terra cotta. $225,000.

Mo., Clayton—OFFICE—Western States Insurance Co., 10 South Central Ave., plans by P. J. Bradshaw, 718 Locust St., St. Louis, 6 or 7 story, basement, rein.-con., brick, stone, Central and Carondelet Aves. $150,000 or more. Noted Mar. 22.

Mo., St. Louis — APARTMENT — A. H. Winklemeyer, 2602 South Grand Blvd., postponed indefinitely bids 7 story, basement, 90 x 100 ft., rein.-con., brick, terra cotta, Grand Ave. and Sidney St. $350,000. Bowling & Frank, 1198 Arcade Bldg., archts. Noted Aug. 9.

Mo., St. Louis—APARTMENT HOTEL—Ettrick Realty Co., c/o A. B. Ridington, archt., 818 Olive St., sketches 12 story, basement, 112 x 150 ft., rein.-con., brick, steel, stone, terra cotta, 718-28 North Kingshighway.

Mo., St. Louis—COMMERCIAL—E. Riley, c/o F. R. Harris Realty Co., 200 North 4th St., plans by Mauran, Russell & Crowell, 1620 Chemical Bldg., 5 story, basement, 25 x 127 ft., rein.-con., brick, terra cotta, 409 North Bway.

Mo., St. Louis—HOTEL and BUS TERMINAL—Manske & Bartling, archts., 410 North Euclid Ave., indefinitely postponed taking bids 5 story, basement, rein.-con., brick, stone, terra cotta, Olive St. west of 18th St., for C. E. Lane, 1700 Morgan St. $300,000. Noted Aug. 2.

Mo., St. Louis—OFFICE—Arlington Investment Co., c/o Manske & Bartling, archts., 410 North Euclid Ave., postponed taking bids 15 story, basement, 19 x 106 ft., rein.-con., brick, stone, steel, terra cotta, 14th and Clive Sts. $750,000. Noted Aug. 16.

Ark., Eldorado—THEATRE—E. M. Kolben, archt., Exch. Bldg., soon takes bids 2 story, 65 x 160 ft., rein.-con., brick, stone, terra cotta, Cedar and Jefferson Sts., for McWilliams Family, owner, and Arkansas Amusement Enterprises, M. A. Lightman, mgr., c/o architect. $150,000.

Ark., Ft. Smith—HOTEL—O. Griffith, et al., c/o M. Boulicault, archt., 1101 Ambassador Bldg., St. Louis, Mo., sketches 11 story, basement, 70 x 150 ft., rein.-con., brick, terra cotta, incl. convention hall, ballroom, coffee shops, toggery, Garrison Ave. and 6th St. $600,000.

Tex., Alamo Heights—APARTMENT—C. Buerkle & Associates, c/o G. Willis, archt., Builders Exch. Bldg., San Antonio, 7 story, basement, roof garden, 32,000 sq.ft. floor space, brick, stone, tile, rein.-con., Argyle and Encino Aves. $350,000.

Tex., Corpus Christi—HOTEL—M. M. Parker, A. H. Jones, and F. E. Jones, 5131 Euclid St., Kansas City, Mo., large tourist hotel, on Padre Island, near here. $150,000. Private plans.

Tex., El Paso — MEDICAL ARTS and GARAGE — C. N. Bassett & State Natl. Bank Building, bids about Sept. 14, 12 story, basement, 50 x 120 ft., brick, rein.-con. medical arts building and 3 story garage plain founds., Texas and Stanton Sts., $500,000. Trost & Trost, Two Republics Bldgs., archts. Noted Aug. 30.

Tex., Galveston — HOSPITAL — Sealy & Smith Foundation, 816 B St., plans by R. L. White, c/o owner, 5 story, brick, concrete. $500,000.

Okla., Ada—LODGE and OFFICE—A. F. & A. M. Lodge, plans by A. S. Ross, 116½ Main St., 7 story, part basement, 50 x 130 ft., rein.-con., brick, stone, plain found. $200,000.

Okla., Clinton — HOTEL — Calmes & Chandler plans by Hawk & Parr, 1019 1st Natl. Bldg., Oklahoma City, 3 and 7 story, basement, 75 x 140 ft., brick, steel. $210,000.

Okla., Oklahoma City—HOTEL—W. B. Skirvin & Co., Skirvin Hotel, 2 story, basement, 75 x 140 ft., brick, rein.-con., stone addition, plain found. $200,000. Engineer and architect not selected.

Okla., Tulsa—Y.M.C.A., C. E. Buckner, secy. and C. C. Cole, chn. Building Com., 4th and Cincinnati Sts., plans by Rush, Endicott & Rush, 404 Wright Bldg., 10 story, basement, 50 x 140 ft., brick, stone addition, plain found. $550,000.

Colo., Pueblo—STORE and OFFICE—Midland Savings & Loan Co., Midland Savings Bldg., Denver, store and office building, North Main St. $250,000.

Calif., Long Beach—HOSPITAL and CLINIC—W. Harriman Jones, 131 Pine St., 100 x 150 ft., rein.-con., Bway. and Cherry Ave. $350,000. Engineer and architect not selected.

Calif., Los Angeles—APARTMENT—H. H. Belden, c/o J. M. Cooper, archt., Rives-Strong Bldg., 13 story, basement, 100 x 200 ft., Class "A" incl. 65 car garage in basement, Cherokee Ave. $500,000 or more.

Calif., Los Angeles—APARTMENTS—N. A. Leech, 4452 Price St., 27 story, basement, 90 x 150 ft., Sunset Blvd. $1,500,000. Private plans.

Calif., Los Angeles — APARTMENT — Owner, c/o L. L. Jones, archt., 2504 West 7th St., 5 story, 70 x 115 ft., rein.-con., 9th and Union Sts. $250,000.

Calif., Los Angeles—THEATRE, STORE, etc.—R. E. Callahan, dir. Romona Village, plans by Meyer & Holler, 315 Wright & Callender Bldg., rein.-con., theatre, store, dwellings, Washington Blvd. and Thurman St. $500,000.

Calif., San Diego — HOTEL-APARTMENT—J. E. Collumb, c/o Walker & Eisen, archts., Western Pacific Bldg., Los Angeles, 12 story, basement hotel apartment. $1,500,000.

Calif., San Diego — THEATRE and STORE—Gildred Bros. plans by Weeks & Day, Financial Center Bldg., San Francisco, 2 story, rein.-con., steel, A. D. 7th and 8th Sts. $750,000. West Coast Theatres, Inc., 1619 West Washington St., Los Angeles

Calif., San Francisco—APARTMENT—G. Jovick, c/o A. H. Larsen, archt., 447 Sutter Bldg., 8 story, basement, Class "A," Union St. $400,000.

Calif., San Francisco — OFFICE and PRINTING PLANT—San Francisco Stock & Bond Exchange, 341 Montgomery St., purchased Sub-Treasury Building and plans addition to house offices, printing plant, gymnasium, Pine and Sansome Sts. To exceed $150,000.

Calif., Santa Monica — APARTMENT — Rivere Apartment Co. plans by E. J. Baune, Natl. Bank Bldg., 4 story, 137 x 210 ft., stucco, timber, San Vicente Blvd. $250,000.

Ont., Windsor—HOTEL—Prince Edward Hotel Co., M. Gilbert, mgr., plans by Pennington & Boyde, 1002 Security Bldg., 4 story, brick, steel top addition and large side addition, Ouellette Ave. $1,000,000.

Que., Montreal—Y. M. C. A., plans by Ross & MacDonald, 1 Belmont St., remodeling Central Branch; constructing branch buildings in Notre Dame de Grace and on Stanley St. $1,300,000. J. W. Beaton, genl. secy. Architectural Bureau, Natl. Council, Y. M. C. A., consult. archt.

Bids Desired

Mass., Everett (br. Boston)—APARTMENTS—See "Contracts Awarded."

Mass., Hyde Park (Ind. br. Boston)—STORE and OFFICE — See "Contracts Awarded."

Mass., Melrose (Ind. br. Boston)—HOSPITAL—Melrose Hospital, 585 Lebanon St., taking bids altering and constructing 2 story, basement, 45 x 145 ft., brick addition, plain found. $150,000. Stevens & Lee, 45 Newbury St., Boston, archts. Noted Sept. 6.

Conn., South Norwalk — BANK and STORE—Sept. 28, by People's Trust Co., 79 Washington Ave., 2 story, 80 x 125 ft., brick, limestone, South Main St. $150,000. F. H. Bissell, 157 East 44th St., New York, archt.

Conn., Hartford — THEATRE, STORE and OFFICE — Community Theatre Corp., J. Glassman, 170 Adams St., bids about Sept. 19, 3 story, basement, 65 x 140 ft., brick, stone, steel, plain found., Albany Ave. $200,000. G. H. Matthews, 48 Campfield St., archts.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn — STORE and APARTMENT — See "Contracts Awarded."

N. Y., Flushing — APARTMENT — See "Contracts Awarded."

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Buildings—Commercial (Continued)

N. Y., Flushing—APARTMENT—Queens County Homes, Inc., 136-27 Franklin Pl., taking bids on separate contracts apartments, Parsons and Barclay Sts. $150,000. J. Unger, 93 Amity St., archt. Noted Sept. 6

N. Y., Long Island City—APARTMENT—See "Contracts Awarded."

N. Y., Mount Vernon—STORE and OFFICE—C. N. Whinston & Bros., archts., 2 Columbus Circle, New York, taking bids general contract store and office building, North St. and 4th Ave., for C. Lerner & Son, 354 4th Ave., New York. $150,000. Noted Aug. 6.

N. Y., New York—APARTMENT—A. Crisp, Inc., 15 Park Row, bids about Oct. 1, 14 story, apartment, 602 East 84th St. $600,000; G. B. Post & Sons, 101 Park Ave., archts. Noted Mar. 29.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—One Hundred Seven West 86th St. Realty Corp., G. Conrad, pres., 250 West 57th St., taking sub-bids 16 story, 80 x 180 ft. apartment, 105 West 86th St. $850,000. J. M. Felson, 250 West 57th St., archt. Noted Aug. 30.

N. Y., New York—APARTMENT—Two Hundred Twenty-Five West 71st Street Corp., A. A. Paterno, pres., 578 Madison Ave., bids about Oct. 1 on separate contracts 16 story, 115 x 158 ft., steel, brick, 681 Amsterdam Ave. $1,300,000. R. Candela, 578 Madison Ave., archt. Noted Sept. 6.

N. Y., New York—HOTEL—See "Contracts Awarded."

N. Y., New York — SEMINARY — S. F. Ross, archt., 101 Park Ave., bids about Oct. 1, seminary for Jewish Theological Seminary of America, 543 West 122nd St. $1,200,000. Noted Aug. 30.

N. Y., New York—STORAGE, LOFT and STORE—Winwore Realty Corp., J. T. Lee, pres., 25 West 43rd St., bids about Jan. 1, general contract 9 story, 723 Lexington Ave. $400,000. L. A. Goldstone, 420 Lexington Ave., archt. Noted Sept. 6.

N. Y., Richmond Hill (Ind. br. Jamaica) — APARTMENT — See "Contracts Awarded."

N. Y., Sunnyside (mail Long Island City) — APARTMENT — See "Contracts Awarded."

N. Y., Woodhaven (Ind. br. Jamaica)—APARTMENT—See "Contracts Awarded."

N. J., Bayonne—CITY HALL—Bd. City Comrs., City Hall, bids about Oct. 1, general contract 4 story, basement, brick, steel, plain found., Avenue C, 27th and 28th Sts. $250,000. P. A. Vivarttas, 10 48th St., Union City, archt. Noted July 12.

N. J., Bloomfield — APARTMENT — See "Contracts Awarded."

N. J., Camden—STORE—Schoneagle Co., 735 Federal St., taking bids 2 story, basement, 135 x 140 ft., brick, steel, plain found., 544-46 Federal St. $150,000. A. F. Evans, 455 7th Ave., New York, archt. W. T. Grant Co., 455 7th Ave., New York, lessee.

N. J., Cliffside Park (mail Cliffside)—APARTMENT—See "Contracts Awarded."

N. J., East Orange — APARTMENT — Kenmore Corp., 9 Clinton St., Newark, taking new bids on separate contracts 4 story, basement, 90 x 100 ft., brick, steel, plain found., 17 South Grove St. $175,000. R. Botelli, 45 Branford Pl., Newark, archt.

N. J., East Orange — APARTMENTS — See "Contracts Awarded."

N. J., Elizabeth—THEATRE and OFFICE—c/o Eugene De Rosa, Inc., archt., 15 West 44th St., New York, bids about Nov. 1, general contract 5 story, basement, 82 x 200 ft. brick, steel, plain found., for B. and L. Theatrical Corp., c/o architects. $500,000. Noted June 7.

N. J., Hasbrouck Heights (Ind. br. Hackensack) — APARTMENT — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Madison — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—APARTMENT—Stadium Realty & Investment Co., c/o N. Harris, 20 Branford Pl., bids about Nov. 1, general contract 8 story, basement, 70 x 125 ft., brick, steel, plain found., 345-53 Bloomfield Ave. $250,000. Noted Sept. 6.

N. J., Newark — GARAGE — G. Jones, archt., 24 Commerce St., bids about Oct. 15, general contract 7 story, basement, 52 x 116 ft., rein.-con., brick, steel, plain found., 65-76 Clinton St., for Clinton Street Garage, Inc., 247 Market St. Noted Aug. 30.

N. J., Newark — HOSPITAL, NURSES HOME and TRAINING SCHOOL—J. H. and W. C. Ely, archts., 605 Broad St., bids about Oct. 1, general contract, altering 3 story, basement, brick, steel, plain found., High St., for Babies Hospital, 413 Military Park Bldg. $150,000. Noted Apr. 12.

N. J., Newark—HOTEL—See "Contracts Awarded."

N. J., Newark—SHOWROOM and OFFICE—M. J. Nadel, archt., 32 Hill St., bids about Oct. 1, general contract altering and constructing 3 story, basement, 60 x 80 ft., brick, steel addition, 390-98 Halsey St., for Lawrence Motor Car Co., 390 Halsey St. $155,000. Noted Mar. 22.

N. J., Westfield—STORE—J. Anderson, archt., 251 North Broad St., Elizabeth, bids about Oct. 1, general contract 2 story, basement, 100 x 160 ft., rein.-con., brick, steel, plain found., 260 East Broad St. $150,000. Noted Aug. 9.

N. J., West New York — GARAGE — J. Weber, archt., 132 26th St., bids about Oct. 1, general contract 2 story, basement, 100 x 102 ft., rein.-con., brick, steel, plain found, 324 11th St, for B. Gilardoni, 324 11th St., $150,000. Noted June 14.

N. J., Woodbridge—APARTMENT—See "Contracts Awarded."

Pa., Phila.—APARTMENT—Sept. 21, by R. B. Bencker, archt., 13th and Chestnut Sts., 12 story, basement, 79 x 190 ft., rein.-con., brick, steel, plain found., 47th and Pine Sts., for C. E. Seigel, 419 South 46th St. $800,000.

Md., Baltimore—Palmer, Willis & Lamdin, archts., 513 North Charles St., taking bids general contract 2 story, brick Y. M. C. A. building, for John Hopkins University, J. C. Trench, chn. Building Com. Noted Mar. 8.

Ga., Milledgeville—HOSPITAL—Oct. 18, by Bd. Trustees Georgia State Sanitarium, 3 story, basement, rein.-con., brick, steel, plain found. $450,000. Daniell & Bentell, 307 Healy Bldg., Atlanta, archts. Noted June 28.

Miss., Ellisville—INFIRMARY—Sept. 25, by Mississippi State Building Comn., W. C. Trotter, secy., Jackson, rein.-con., brick, stone infirmary, incl. dormitory, service building and laundry. $500,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted July 5.

O., Youngstown—APARTMENT—H. C. Goodwin (owner and engr.), 615 Mahoning Bank Bldg., bids about Oct. 11, 3 story, basement, brick, concrete, steel, incl. garage, 5th and Fairgreen Sts. $220,000. B. E. Brooke, Youngstown, archt.

Ill., Chicago — APARTMENT — E. F. Behrns, archt., 605 North Michigan Ave., taking bids on revised plans 6 story, basement, 67½ x 118 ft., rein.-con., brick, stone, 3221 Washington Blvd.

Ill., Chicago—APARTMENT — Koenigsberg & Weisfeld, archts., 155 North Clark St., bids about Sept. 26, 8 story, basement, 58 x 174 ft., rein.-con., brick, terra cotta, plain found., 546-48 Arlington Pl., for S. Clifford & Co., 111 West Washington St. $500,000.

Ill., Chicago—APARTMENT—B. L. Steif & Co., archts., 307 North Michigan Ave., taking bids 20 story, basement, 65 x 116 ft., brick, steel, 4940 East End Ave., for Syndicate. $1,000,000. Noted Aug. 23.

Ill., Evanston—HOSPITAL—H. J. Gaul & Sons, archts., 228 East Superior St., Chicago, bids about Oce. 14, 4 story, basement, 50 x 250 ft., brick, steel, hollow tile addition, 355 Ridge Ave., for St. Francis Hospital, 355 Ridge Ave. $500,000.

Wis., Milwaukee—APARTMENT — Marcus Realty Co., 1369 31st St., taking bids 3 story, basement, 85 x 116 ft., brick, plain found., 26th St. and Capitol. Dr. H. V. Miller, 862 3rd St., archt.

Mo., St. Louis—APARTMENT—Drozda Realty Co., 4006 Chouteau Ave., taking sub-bids 3 story, basement, 135 x 170 ft., rein.-con., brick, terra cotta, cut stone apartment, incl. 15-car garage, Miami and Arkansas Sts. $325,000. F. G. Avis, 1019 Big Bend Blvd., Richmond Heights, archt.

Tex., San Antonio—APARTMENT—Nov. 1, by E. Dittmar Impvt. Co., 505 Howard St., superstructure 8 story, concrete, stone, brick. Total $400,000. Foundation and basement for above, to E. Oeffinger, c/o Builders Exch., $25,000. R. Vander Straten, Travis Bldg., and Herff & Jones, c/o San Antonio Loan & Trust Co. Bldg., archts. Noted Mar. 29.

Ore., Portland — APARTMENT — Oct. 1, by G. E. Reed, 1289 East State St., 3 story, basement, 93 x 119 ft., rein.-con., plain found., 311 East 21st St. $150,000. W. W. Lucas, Lewis Bldg., archt.

Ont., Port Arthur — HOSPITAL — Sept. 27, by W. H. Russell, chn. General Hospital Bd., Ruttan Bldg., 5 story, basement, 100 x 180 ft., concrete, brick, steel, incl. Xray equipment, sterilizers, Algoma St. $400,000. G. Blanchard, Whalen Bldg., archt. Noted Apr. 5.

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Bids Received

La., New Orleans—BANK and OFFICE—M. H. Goldstein, archt., Hobernia Bank Bldg., general contract 21 story, limestone, granite, Carondelet St., from G. J. Glover Co., Whitney Bldg., $1,409,975. Noted Aug. 16.

Contracts Awarded

Mass., Everett (br. Boston) — APARTMENTS — J. Miller, 4 Parker St., Malden, two 3 story, basement, 60 x 125 ft., brick, stone, plain founds., Nichols St., separate contracts. Est. exceeds $150,000.

Mass., Fall River—STORE and OFFICE—Burk, Inc., T. F. Burke, 46 North Main St., and D. Shapiro, archt., Globe Bldg., 4 story, basement, brick, steel, rein.-con., North Main and Granite Sts., to Greene & Sherry, Davol St. Est. $150,000. Noted Aug. 24.

Mass., Framington—BANK—Farmers & Mechanics Savings Bank, A. M. Fitts, pres., 1 and 2 story, basement, brick, steel, stone, rein.-con., plain found., Park and Franklin Sts., to P. J. McMahhon, 70 Clinton St. Est. $150,000 or more. Noted Aug. 23.

Mass., Gardner—COURT HOUSE, etc.—City, c/o G. C. Sweeney, 2 story, basement, brick, steel court house and police station, to W. J. Handley Co., 280 Main St., Fitchburg. Est. $150,000. Noted Aug. 9.

Mass., Hyde Park (Ind. br. Boston)—STORE and OFFICE—Willmorey Realty Co., 263 Huntington Ave., Boston, 2 story, basement, 100 x 150 ft., brick, stone, plain found., River St. and Harvard Ave., day labor. Est. $150,000 or more. Schein & Levine, 448 Bway., Chelsea, archts.

Mass., Lexington — MERCANTILE — Rubin & Seligman, 294 Washington St., Boston, 2 story, basement, brick, stone, plain found., on site of Old Town Hall, to Frankini Bros. Co., Inc., 30 Mystic Ave., Medford. Est. $150,000. Noted Aug. 23.

Mass., South Boston (sta. Boston) — STORE and OFFICE — S. Ruggiero, 297 Dorchester St., 5 story, basement, brick, stone, plain found., to Frankini Bros., Co., 30 Mystic Ave., Medford. Est. $150,000. Noted Aug. 2.

Mass., Waltham—HOSPITAL—Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, general contract 5 story, basement, brick, steel, terra cotta, plain found., to Matthew Cummings Co., 43 Tremont St., Boston, $790,000; plumbing, to J. F. Cabeen, Salem, $88,000; electrical work to Lord Electric Co. 112 Water St., Boston, $45,790; heating and ventilating to J. H. Lyons, 25 D St., South Boston, $76,814. Grand total $1,000,604. Noted Sept. 6.

Conn., Norwalk—APARTMENT—Hyland Building Co., Atlantic St., 4 story, 85 x 125 ft., brick, steel, East St. Owner builds. $175,000. Private plans.

Conn., Waterbury — APARTMENT — H. Bromberg, 11 West Main St., 3 story, 80 x 125 ft., brick, steel, Cooke St., to F. Slomowitz, Cooke St. Est. $150,000.

N. Y., Brooklyn—APARTMENT—Carroll Park View Realty Corp., L. Ponsner, secy., 611 Empire Blvd., 6 story, brick, timber, separate contracts. $650,000. Noted Aug. 30.

N. Y., Brooklyn—APARTMENTS—J. F. Churlo Corp., 132 Highlawn Ave., five 4 story, brick, Avenue S and West 10th St., separate contracts. $260,000 V. S. Todaro, 1991 West 12th St., archts. Noted Aug. 30.

N. Y., Brooklyn—APARTMENT—Filer Realty Corp., H. Shaffer, pres., 44 Court St., 2 story apartment, East 34th St. and Avenue N, separate contracts. $170,000. P. Freshman, 50 Court St., archt. Noted Aug. 16.

N. Y., Brooklyn — APARTMENT — Fifteenth Ave. and 57th St. Corp., F. R. Klaw, pres., 19 West 34th St., New York, 6 story apartment, 15th Ave. and 57th St., separate contracts. $280,000. McManus & Griffiths, 11 East 42nd St., New York, archt. Noted Aug. 30.

N. Y., Brooklyn — APARTMENT — A. Frankel, 55 West 42nd St., New York, 6 story, 77 x 100 ft., brick, timber, separate contracts. $150,000. B. W. Dorfman, 66 Court St., archt. Noted Aug. 30.

N. Y., Brooklyn — APARTMENT — Katbert Realty Corp., J. Katz, pres., 467 East 54th St., 6 story, 86 x 100 ft. apartment, East 5th St. and Avenue C, separate contracts. $200,000. W. Levy, 1753 Pitkin Ave., archt. Noted Aug. 16.

N. Y., Brooklyn — APARTMENT — One Thousand Five Ninety-Four Park Pl. Realty Corp., 522 Van Siclen Ave., 6 story, 90 x 200 ft. apartment, 68th St., 19th and Bay Ridge Aves., separate contracts. $450,000. J. J. Millman, 26 Court St., archt. Noted Aug. 30.

Buildings—Commercial (Continued)

N. Y., Brooklyn—APARTMENT—Roxol Building Corp., J. J. Sulin, pres., 350 Stone Ave., 6 story, 70 x 100 ft., brick, steel, separate contracts. $200,000. MacManus & Griffiths, 11 East 42nd St., archts. Noted Sept. 6.

N. Y., Brooklyn—APARTMENT—Solon & Glass, Inc., 922 West 45th St., 4 story, 90 x 91 ft., brick, steel, New Lots Ave. and Elton St., separate contracts. $175,000. Ricci & Ungarleider, 186 Remsen Ave., archts.

N. Y., Brooklyn — APARTMENT — D. Solomon, 1 Grace Court, 9 story, 74 x 75 ft., separate contracts. $400,000. M. E. Freihof, 415 Lexington Ave., New York, archt. Noted Aug. 30.

N. Y., Brooklyn — APARTMENT — Zinbar Realty Corp., B. Zinick, pres., 301 East 8th St., 6 story, 67 x 100 ft., 67th St. and 2nd Ave., separate contracts. $250,000. Seelig & Finkelstein, 66 Court St., archts. Noted Aug. 16.

N. Y., Brooklyn—BANK and OFFICE—High Grand Holding Corp., J. F. Pitts, pres., 325 Wyckoff St., general contract 6 story, 50 x 93 ft., brick, steel, to P. M. Sterling 33 West 42nd St., New York. Est. $175,000. Noted July 19.

N. Y., Brooklyn—STORE and APARTMENT—Granite Constr. Co., 5005 Beverly Rd., 6 story, Rockaway Parkway and Church Ave., separate contracts. $250,000. J. W. Cytrign, 1777 Pitkin Ave., archt.

N. Y., Flushing—APARTMENT—Maxim Realty Corp., 164-10 Jamaica Ave., 4 story, 90 x 95 ft., brick, steel, separate contracts. $160,000. W. Samborm, 164-10 Jamaica Ave., archt. Noted Sept. 6.

N. Y., Long Island City—APARTMENT—Filmore Corp., 1320 Prospect Ave., 6 story apartment, separate contracts. $300,000. C. N. Whinston, 2 Columbus Circle, New York, archt. Noted Aug. 23.

N. Y., Long Island City—APARTMENT—J. L. Kohoe, 46 West 95th St., 6 story, brick, timber, separate contracts. $185,000. C. W. Marsoe, c/o owner, archt. Noted Aug. 23.

N. Y., Long Island City—APARTMENT—Szabo Constr. Co., 3202 Grand Ave., 6 story, 80 x 90 ft., brick, timber, 33rd St. and 28th Aves., separate contracts and day labor. $150,000. C. Wurst, 3202 Grand Ave., archt.

N. Y., Long Island City — STORE and OFFICE — Owner, c/o O. Erlandsen, archt., 161-10 Jamaica Ave., 10 story apartment, to Caye Constr. Co., 356 Fulton St., Brooklyn. Est. $400,000. Noted Aug. 23.

N. Y., Mamaroneck — APARTMENT — Oriental Point Apartments, Inc., c/o G. A. Bagge, archt., 157 East 44th St., general contract 6 story, basement, brick, steel, plain found., Beekman St., to Deakman-Wells Co., 921 Bergen Ave., Jersey City, N. J. Est. $250,000.

N. Y., New York—APARTMENT—Absar Realty Corp., A. Weisman, pres., 2382 Grand Concourse, 80 x 379 ft. apartment, Greystone and 242nd Sts., separate contracts. $750,000. C. Kreymborg & Son, 2534 Marion Ave., archt. Noted Aug. 23.

N. Y., New York—APARTMENT—A. I. G. Building Corp., A. Imarata, pres., 1563 McCombs Rd., 6 story, 88 x 91 ft., brick, steel, Jessup St. and Featherbed Lane, separate contracts. $250,000. H. I. Feldman, 415 Lexington Ave., archt. Noted Sept. 6.

N. Y., New City—COURT HOUSE—Bd. Supervs. Rockland Co., J. J. Brown, chn., 53 Lafayette Ave., Suffern, general contract, to C. T. Wills, 286 5th Ave., New York. Est. $1,000,000. Noted July 12.

N. Y., New York—APARTMENTS—Ein Singe Holding Corp., I. Einhoon, pres., 39 East 169th St., 6 story, 77 x 165 ft. apartment, $250,000, also 6 story apartment, $350,000, separate contracts. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts. Noted Aug. 23.

N. Y., New York—APARTMENT—Four Hundred Ten Central Park West Corp., A. Distillator, 153 West 72nd St., 16 story, 75 x 90 ft., brick, steel, separate contracts. $650,000. Margon & Holder, 153 West 72nd St., archt. Noted Sept. 6.

N. Y., New York—APARTMENT—Godmar Realty Corp., 469 7th Ave., 6 story, 86 x 200 ft. apartment, 2167 Amsterdam Ave., separate contracts. $375,000. Schaefer & Rutkins, 2409 Grand Concourse, archts. Noted Aug. 16.

N. Y., New York—APARTMENT—Golock Realty Corp., S. Gordon, pres., 56 West 45th St., 6 story, 92 x 140 ft., brick, steel, separate contracts. $200,000. C. B. Meyers, 31 Union Sq., archt. Noted Sept. 6.

N. Y., New York—APARTMENT—LYIB Corp., L. Yudin, pres., 1342 Feeley Ave., apartment, separate contracts. $170,000. Kavy & Kavovitt, 350 Stone Ave., archts. Noted Sept. 6.

N. Y., New York — APARTMENT — Loumen Realty Corp., L. Brander, pres., 1005 Walton Ave., 6 story, 86 x 162 ft., separate contracts. $250,000. L. Stillman, 2419 Webster Ave., archt. Noted Aug. 23.

N. Y., New York—APARTMENT—Naples Holding Corp., D. J. Napoli, pres., 400 East Fordham Rd., 4 story, 91 x 138 ft., brick, timber, separate contracts. $175,000. Noted Sept. 6. A. E. Schaefer, 2408 Grand Concourse, archt.

N. Y., New York—APARTMENT—One Thousand Seventy-Four 5th Avenue Corp., A. Campagna, pres., 531 5th Ave., 13 story, 86 x 90 ft., brick, steel, to Campagna Constr. Co., 531 5th Ave. Est. $600,000. Noted Sept. 6.

N. Y., New York — APARTMENT — Regent Building Corp., 179 Sherman Ave., 6 story, 87 x 100 ft., brick, steel separate contracts. $180,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts. Noted Sept. 6.

N. Y., New York—APARTMENT—Two Hundred Forty-Five East 21st Street Corp., M. Schroeder, pres., 420 Lexington Ave., 16 story apartment, 371 2nd Ave., separate contracts and day labor. $450,000. R. T. Lyons, 40 East 49th St., archt.

N. Y., New York—APARTMENT—Three Hundred Two East 79th St. Corp., A. S. Baker, pres., 345 Madison Ave., 16 story, 82 x 169 ft., brick, steel, separate contracts. $1,000,000. J. H. Felson, 250 West 57th St., archt. Noted Aug. 30.

N. Y., New York—APARTMENT—Vigo Realty Corp., J. Vigdor, pres., 1963 Arthur Ave., apartments, Newbold and Castle Hill Aves., separate contracts. $250,000. Glick & Duma, 400 East Fordham Rd., archt. Noted Sept. 6.

N. Y., New York—APARTMENTS—Van Fair Realty Corp., 1061 Walton Ave., 6 story, 106 x 142 ft., brick, timber, Heath Ave. and Kingsbridge Rd., $175,000, and one at Kingsbridge Rd. and Heath Ave., $150,000, both separate contracts. C. S. Clark, 441 East Tremont Ave., archt. Noted Sept. 6.

N. Y., New York—HOTEL—West 49th Street Constr. Corp., C. H. Darmstadt, pres., 352 West 43rd St., 16 story, 90 x 100 ft. hotel, separate contracts. $1,250,000. H. I. Feldman, 415 Lexington Ave., archt. Noted Aug. 30.

N. Y., New York—LOFT—Twenty-Five West 46th St. Corp., S. Stern, pres., 31 East 27th St., 15 story, brick, steel, to E. Ellinger 16 East 52nd St. Est. $500,000. Noted Aug. 16.

N. Y., New York—LOFT, STORAGE and STORE — Cobus Holding Corp., 114 5th Ave., 17 story, 28 x 150 ft., brick, to Conrad Glaser, 1440 Bway. Est. $375,000. Noted Aug. 9.

N. Y., Richmond Hill (Ind. br. Jamaica)—APARTMENT—Deacon Development Co., 26 Court St., Brooklyn, 6 story, 105 x 118 ft., brick, timber, separate contracts. $250,000. Seelig & Finkelstein, 66 Court St., Brooklyn, archt. Noted Sept. 6.

N. Y., Sunnyside (mail Long Island City)—APARTMENT—Nathan Holding Corp., 1240 Elder Ave., New York, 6 story, basement, brick, timber, separate contracts. $290,000. Faber & Kalkin, 1746 Pitkin Ave., Brooklyn, archts. Noted Sept. 6.

N. Y., Woodhaven (Ind. br. Jamaica)—APARTMENT—Woodhaven Housing Corp., 90-30 Sutphin Blvd., brick, stone, separate contracts. $500,000. Private plans. Noted Sept. 6.

N. J., Bloomfield—APARTMENT—Malching & Lockle, Inc., 21 Lackawanna Pl., 4 story, basement, 75 x 100 ft., brick, steel, plain found., Clinton and Lincoln Aves., separate contracts. $150,000. M. Villanueva, 604 Central Ave., East Orange, archt. Noted Sept. 6.

N. J., Cliffside Park (mail Cliffside) — APARTMENT—H. Muller, 255 Lafayette Ave., Grantwood, 4 story, basement, 75 x 125 ft., brick, steel, plain found., West End and Aurora Ave., separate contracts. $150,000. Private plans.

N. J., Clifton (Ind. br. Passaic)—WAREHOUSE—Waldrick Realty Co., c/o Lockwood Greene, Inc., archts., 100 East 42nd St., New York, general contract 2 story, basement, 80 x 160 ft., rein.-con., brick addition, plain found., Delawanna Sect., to James Mitchell Co., 74 Journal Sq., Jersey City. Est. $150,000.

N. J., East Orange — APARTMENT — Friedman Constr. Co., 31 Clinton St., Newark, 7 story, basement, brick, steel, plain found., 194 Park Ave., separate contracts. $650,000. E. V. and C. F. Warren, 31 Clinton St., Newark, archts.

N. J., East Orange—APARTMENTS—R. Tosti, 4625 3rd Ave., New York, two 4 story, basement, 85 x 100 ft., brick, steel, plain found., 241-49 South Arlington Ave., separate contracts. $250,000. Kasoff & Flatt, 164 Market St., Newark, archts.

N. J., Hasbrouck Heights (Ind. br. Hackensack) — APARTMENT — Pickwick Arms, Inc., Terrace Ave., 5 story, basement, 100 x 150 ft., brick, steel, plain found., separate contracts. $250,000. H. Gerritsen, 118 Passaic Ave., Garfield, archt. Noted Sept. 6.

N. J., Jersey City — APARTMENT — B. Caminsky, Inc., Concourse Bldg., 5 story, basement, 100 x 125 ft., brick, steel, plain found., Tonnele Ave., separate contracts. $250,000. C. Shilowitz, 26 Journal Sq., archt. Noted Sept. 6.

N. J., Jersey City—HOSPITAL—J. Rowland, Jr., archt., 176 Palisade Ave., general contract 4 story, basement, 96 x 176 ft., brick, steel, plain found., 176 Palisade Ave., to James Mitchell, Inc., 24 Journal Sq., for Christ Hospital, 176 Palisade Ave. Est. $300,000. Noted Aug. 16.

N. J., Jersey City—PASSENGER STATION—Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad St. Sta., Phila., Pa., general contract altering 2 story, 58 x 300 ft., brick, steel, plain found., to Deakman & Wells Co., 921 Bergen Ave. Est. $150,000. Noted Mar. 15.

N. J., Madison—APARTMENT—Feldman & Pivnick, Inc., J. Feldman, pres., 68 Custer Ave., Newark, 3 story, basement, 75 x 125 ft., brick, steel, plain found., Green Village Rd., separate contracts. $150,000. R. Bottelli, 45 Branford Pl, Newark, archt. Noted Sept. 6.

N. J., Newark—APARTMENT—I. Jaffe, 60 Park Pl., 3 story, basement, brick, steel, plain found., 48 Aldine St., separate contracts. $150,000. M. J. Nadel, 32 Hill St., archt. Noted Sept. 6.

N. J., Newark—APARTMENT—I. Jaffe, 60 Park Pl., 3 story, basement, 75 x 100 ft., brick, steel, plain found., 287-91 Goldsmith Ave., separate contracts. $150,000. M. J. Nadel, 32 Hill St., archt. Noted Sept. 6.

N. J., Newark—HOSPITAL—St. James Hospital, c/o Fanning & Shaw, archt., 49 Ward St., Paterson, general contract altering and constructing 4 story, basement, brick, steel addition, Jefferson and Elm Sts., to A. W. Crone & Sons, 338 Palisade Ave., Jersey City. Est. $150,000.

N. J., Newark — HOTEL — Metropolitan Building & Realty Co., H. Kruvant, pres., 24 East Park St., 12 story, basement, 100 x 150 ft., brick, steel, plain found., separate contracts. $300,000. R. Bottelli, 45 Branford Pl., archt. Noted July 1.

N. J., Paterson—LOFT and STORE—H. B. Katay, c/o F. W. Wentworth, archt., 140 Market St., general contract 3 story, basement, brick, steel, plain found., to J. Westerveld, 121 Ellison St. Est. $150,000. Noted July 26.

N. J., Perth Amboy—STORE and AUDITORIUM—C. K. Realty Co., (O. K. Electric Supply Co.), 226 Smith St., general contract 2 story, basement, 100 x 105 ft., brick, steel, plain found., to Perth Amboy Constr. Co., 61 Madison Ave. Est. $150,000. Noted Aug. 2.

N. J., Trenton—HOSPITAL—Orthopedic Hospital, Montgomery and Front Sts., general contract 3 story, basement, brick, steel, plain found., to J. H. Morris Co., Inc., 211 North Montgomery St. Est. $150,000. Plumbing, to J. M. Heidweiler, 526 Hamilton Ave.; heating, to P. S. Slack, 211 Perry St.; electrical work, to Mercer Electric Co., 338 South Broad St.

N. J., West New York — WAREHOUSE and REPAIR SHOP — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, 60 x 200 ft., brick, steel, plain found., 12th and Jefferson Sts., separate contracts. $200,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archt. Noted May 17.

N. J., Woodbridge—APARTMENT—C. H. Reis, Inc., Hackensack St., 3 story, basement, 75 x 125 ft., brick, steel, separate contracts. $150,000. P. J. Jossier, 24 Branford Ave., Palisades Park, archt.

Pa., Ardmore—APARTMENT—Syndicate 6 story, basement, 38 x 268 ft., rein.-con., brick, steel, plain found., Montgomery Pike, to A. H. Winters, 4 Lantern Lane, Phila. Est. $1,000,000.

Pa., Phila. — HOSPITAL — St. Lukes & Childrens Hospital, c/o A. W. Barnes, archt., Perry Bldg., 11 story, basement, 92 x 160 ft., rein.-con., brick, steel, plain found., 8th and Thompson Sts., to W. J. Steele & Co., 16th and Cherry Sts. Est. $1,000,000.

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Buildings—Commercial (Continued)

Pa., Phila.—HOTEL—Blackstone Hotel, c/o P. M. Julian, archt., 917 15th St. N. W., Wash., D. C., 22 story, basement, 60 x 110 ft., rein.-con., brick, steel, plain found., 13th and Locust Sts., to F. V. Warren Co., 1913 Arch St. Est. $2,000,000.

D. C., Wash.—HOTEL—Walker Johnson, general contract hotel, opposite Union Station, to Boyle-Robertson, Inc., 1420 New York Ave. N.W. Contractor taking bids on sub-contracts. Noted Aug. 2.

Miss., Biloxi — HOTEL — White House Hotel Co., remodeling and constructing 3 story, brick, tile, rein.-con. addition, to A. F. Perry, Jr., 1202 Riverside Ave., Jacksonville, Fla., $152,108.

Ky., Louisville—HOTEL-APARTMENT—W. H. Smith Co., 110 North 7th St., St. Louis, Mo., 9 story, basement, 64 x 140 ft., brick, stone, rein.-con., 740 South 2nd St., own forces. $480,000. D. X. Murphy & Bro., Louisville Trust Co., archts.

La., New Orleans—BANK and OFFICE—M. H. Goldstein, archt., Hibernia Bldg., general contract 21 story, 106 x 107 ft., limestone, terra cotta, steel, to G. J. Glover Co., Inc., Whitney Bldg., for American Bank & Trust Co., Carondelet St. $1,409,975. Noted Sept. 13.

O., Cincinnati — GARAGE — Reading Lenox Realty Co., 3915 Reading Rd., 3 story, basement, rein.-con., plain found., Reading Rd., to Midland Building Co., 4 West 7th St., $150,000.

Ind., Anderson — ARMORY — Indiana Natl. Guard, State House, Indianapolis, general contract 2 story, basement, rein.-con., brick, to Ostrom Realty & Constr. Co., Peoples Bank Bldg., Indianapolis. Est. $150,000. Noted Mar. 22.

Ind., Evansville — HOSPITAL—Vanderburgh Co., S. Bell, aud., general contract 47 x 231 ft., rein.-con., brick, steel unit, to M. Hallenberger, Evansville. Est. $150,000.

Ind., Ft. Wayne—COMMISSION HOUSE—Pennsylvania R.R. Co., R. H. Pinkham, supt., 1401 Clinton St., general contract 3 story, rein.-con., brick, steel, to Buesching-Hagerman, 402 East Superior St. Est. $200,000. Noted Jan. 26.

Ind., Indianapolis—APARTMENT—E. A. Cook, 1435 West 27th St., general contract 2 story, basement, 60 x 80 ft., brick, steel, 11th St. and College Ave., to Smith Martin, 1254 West 35th St. Est. $150,000.

Mich., Detroit—OFFICE—Carborundum Co., 1915 West Fort St., 3 story, basement, 200 x 229 ft., rein.-con., brick, steel, plain found., East Grand Blvd., to Walbridge-Aldinger Co., 2312 Penobscot Bldg. Est. $150,000.

Mich., Detroit — OFFICE and EXCHANGE — Michigan Bell Telephone Co., Cass Ave., two 2 story, basement, 90 x 105 ft., and 85 x 110 ft., rein.-con., brick, steel, plain founds., to H. G. Christman-Burke Co., 315 Stevens Bldg. Est. $150,000 each. Noted July 5.

Ill., Chicago — APARTMENT — O. G. Riedel, 3745 North Kedvale Ave., masonry contract 3 story, basement, 90 x 160 ft., to W. Gade, 7946 North Kilpatrick St. Est. $200,000. Noted Aug. 23.

Ill., Chicago — APARTMENT — H. H. Shoenlank, 1526 Pratt Blvd., masonry contract 6 story, 50 x 192 ft., apartment to J. Traff, 3735 North Clark St. Est. $300,000. Noted Aug. 30.

Minn., Faribault—HOTEL—G. Murray, general contract 3 story, basement, 50 x 127 ft., rein.-con., brick, Bedford stone, to Walter Butler Co., 630 Hamm Bldg., St. Paul. Est. $175,000.

Minn., Minneapolis—OFFICE, GARAGE, GYMNASIUM—A. B. Boyer, archt., 878 Arcade Bldg., St. Louis, Mo., general contract 12 story, brick, steel, stone, office building, 2 story garage and recreation building, Grant St. and Stevens Ave., to Stahr-Burgum Co., 401 Metropolitan Bank Bldg., for Wesley Church Corp., c/o A. H. Maas, pres., 501 Palace Bldg. $900,000. Est. $700,000. Noted Aug. 9.

Minn., St. Paul—GARAGE—Holt Motor Co., 1301 Hennepin Ave., Minneapolis, general contract 1 story, 120 x 150 ft., Bedford stone, brick, rein.-con., 5th and Franklin Sts., to J. S. Sweitzer & Son, 1424 Capitol Ave. $50,000.

Kan., Independence—HOSPITAL—Sisters of Mercy Hospital, general contract 5 story, basement, 100 x 140 ft., rein.-con., brick, stone, to Brewster Bros., Independence, $116,044; heating and plumbing to Orr Heating & Plumbing Co., Independence, $26,580. Noted Aug. 16.

Mo., Joplin — APARTMENT—Colet-Bennett Investment Co., 629 Jaccord Pl., 6 story, basement, 48 x 100 ft., rein.-con., brick, 5th and Moffett Sts., to Manhattan Constr. Co., Court Arcade Bldg., Tulsa, Okla. Est. $300,000.

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Tex., Ft. Worth—HOTEL—C. A. O'Keefe, 520 South Summit St., superstructure Blue Bonnet Hotel, 18 story, basement, 100 x 100 ft., rein.-con., brick, steel, terra cotta, to Bellows-Maclay Constr. Co., 603 Constr. Ind. Bldg., Dallas. Est. $1,000,000. Noted Aug. 16.

Tex., San Antonio—APARTMENT—See "Proposed Work."

Tex., San Antonio — PUBLISHING PLANT—Express Publishing Co. Navarro and Crookett Sts., general contract 5 story, fireproof, to Lon T. Wright & Co., 910 Builders Exch. Bldg., $646,400. Noted Aug. 16.

Tex., Temple—STORE and OFFICES—L. Bryan, general contract 10 story, 30 x 110 ft., brick, stone, steel, rein., to R. Love, Temple. Total est. $200,000.

Okla., Tulsa — HOTEL — C. W. Bliss, Bliss Bldg., 10 story, basement, 50 x 140 ft., brick, steel, rein.-con., plain found., 2nd and Boston Sts., to J. W. Van Horn, 526 South Kenosha St., $640,000. Noted July 5.

Okla., Mangum — HOTEL — Mangum Hotel Co., G. T. Border, pres. 6 story, basement, 75 x 140 ft., brick, rein.-con., plain found., to McMillan & Shelton, Enid, $136,110. Noted June 28.

Calif., Glendale—MUNICIPAL—City, 6 story, basement, rein.-con., steel, North Howard St., to H. F. Jones, 39 Congress St., Pasadena, $162,000.

Calif., Los Angeles—APARTMENT—W. Berkowitz & Associates, 4 story, basement, 100 x 142 ft., brick, to J. H. Pine, 1366 North Van Nuys St., $175,000. Noted Aug. 23.

Calif., Los Angeles—APARTMENT—Ray Investment Co., c/o W. Allen, Pacific Natl. Bank Bldg., 5 story, basement, 75 x 140 ft., rein.-con., brick, Alvarado Terrace, to J. F. Kuhns, 175 West 37th Pl., $160,000.

Calif., Los Angeles — DEPARTMENT STORE—Schulte-United, Inc. Chain Store, 4 story, basement, 45 x 150 ft., brick, steel, terra cotta, to Schofield-Twaits Co., Pacific Finance Bldg., Los Angeles, $195,000. Noted Aug. 30.

Calif., San Francisco—APARTMENT—Meyer Bros., 200 Quint St., 6 story, basement, concrete, Pine and Monroe Sts., day labor. $150,000. H. C. Baumann, 251 Kearny St., archt.

Ont., Ottawa—OFFICE—Noffke, Morin & Sylvester, archts., Central Chambers Bldg., Elgin St., 6 story, basement, brick, steel, stone, plain found., to Ross-Meagher Ltd., Elgin St., for company financed by local doctors. Est. $150,000. Noted June 7.

Ont., Toronto—APARTMENT—F. Lenfestey, c/o W. C. Charters, archt., 2339 Queen St. E., masonry for 3 story, basement, 60 x 100 ft., rein.-con., brick, steel, plain found., Queen St. and MacLean Ave., to B. A. Hart, 43 Cross St., Weston; carpentry, to J. Ellenor, 122 Scarborough Rd. Est. $150,000.

Ont., Toronto — STORE and APARTMENT — E. J. Griffith, 507 Dominion Bldg., general contract 3 story, basement, rein.-con., brick, steel, stone, plain found., day labor. $175,000. Noted Jan. 12.

Buildings—Educational, Religious

Proposed Work

Vt., Burlington—SCHOOL—St. Joseph's Roman Catholic Church, N. Proulx, pastor, plans by F. A. Austin, 240 College St., and soon takes bids, 3 story, basement, 140 x 160 ft., brick, stone, plain found., Allen St. Est. exceeds $150,000.

Mass., Bridgewater — CHURCH — St. Thomas Aquinas Roman Catholic Church, F. S. Hart, pastor, 103 Centre St., rejected bids 1 story, basement, 80 x 500 ft., brick, timber, plain found. $150,000 or more. Will readvertise. M. Sullivan, 100 Boylston St., Boston, archt.

Mass., Brighton (sta. Boston) — HIGH SCHOOL — City of Boston, Schoolhouse Dpt., soon takes bids 3 story, basement, brick, limestone, plain found., Bennett Dist. $1,200,000. O'Connell & Shaw, 134 Newbury St., Boston, archts. Noted Dec. 22.

Mass., Everett (br. Boston)—SCHOOL—City, D. R. W. Murdock, chn. School Building Com., and McLaughlin & Burr, archts., 88 Tremont St., Boston, soon take new bids 2 story, basement, 105 x 120 ft., brick, plain found., Shute St. $150,000. Former bids rejected. Noted Aug. 30.

Mass., Lawrence—SCHOOL—City, M. S. Landers, mayor, sketches by Ashton, Huntress & Alter, 477 Essex St., 2 story, basement, brick, steel industrial school. $200,000. Noted Mar. 15.

N. Y., New York — CHURCH and APARTMENT — Calvary Baptist Church, 123 West 57th St., plans by Church Inc. Co., (archt. and lessee), 101 Park Ave., 15 story, 123 West 57th St. $2,500,000.

N. Y., Sidney — SCHOOL — Bd. Educ., rejected bids high and grade school, Main St. $500,000. Will readvertise. P. Rogers, 101 Park Ave., New York, archt. Noted July 12.

N. J., Newark—SCHOOL—Newark Academy, High St., plans by Guilbert & Betelle, 20 Branford Pl., 2 story, basement, brick, steel, plain found., Orange St. and Broden Brook Park. $150,000. Noted Sept. 6.

N. J., Newark—TABERNACLE—Interdenominational Tabernacle, E. P. Hains, 778 Mt. Prospect Ave., 1 story, basement, towers, 3,500 seating capacity, brick, steel, plain found., Bloomfield Ave. $150,000.

N. J., New Market — SCHOOLS — Bd. Educ., Boro Hall, two 2 story, basement, brick, steel, plain founds., one between New Market and Arbor, $200,000, other on Continental Ave., $150,000. Engineer and architect not selected.

N. J., Princeton — SCHOOL — Princeton Junior School for Boys, revised plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel, plain found. $150,000. Noted July 12.

O., Cleveland — HIGH SCHOOL — Cathedral Latin School, J. A. Tetzloff, principal, 2056 East 102nd St., sketches by W. Koehl, 1720 Euclid Ave., 2 story, basement, brick, steel, concrete addition. $150,000.

O., Lorain—CHURCH and SCHOOL—St. Joseph's Roman Catholic Church, C. Reithlin, pastor, soon lets contract 2 story, brick, steel, concrete. $250,000. W. P. Hutchins, Empire Bldg., Pittsburgh Pa., archt.

Ind., Calumet City—SCHOOL—Bd. Educ., plans by H. F. Beck, 159 East Ontario St., Chicago, Ill., 2 story, 125 x 150 ft., brick, stone addition, incl. manual training, gymnasium, class rooms. $200,000.

Ind., Ft. Wayne — SCHOOL — School Comrs. Wabash Co. (Wabash) C. Wright, trustee, North Manchester, plans by F. H. Brown, 309-1st. Natl. Bank Bldg., 2 story, basement, rein.-con., brick, steel. $150,000.

Ind., Valley Mills—HIGH SCHOOL—School Comrs. Marion Co. (Indianapolis), B. F. Yeager, trustee, Camby, plans by C. Byfield, 923 Peoples Bank Bldg., Indianapolis, 2 story, basement, rein.-con., brick, steel. $150,000.

Mich., Detroit—CONVENT—Societe Marie Reparatrice, 69 Burlingame Ave., plans by J. W. O'Connor, 162 East 37th St., New York, 3 story, basement, rein.-con., brick, steel, stone, plain found., Quincy Ave. $300,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., plans by McGrath & Dolemen, 2231 Park Ave., 2 story, basement, 1,360 seating capacity, rein.-con., brick, steel, plain found., State Fair Ave. $406,000.

Mich., Grand Rapids — CHURCH — Bethlehem Lutheran Church, plans by Colton & Knecht, Grand Rapids Trust Bldg., church, Crescent St.

Mich., Pontiac — HIGH SCHOOL — Bd. Educ., R. Hazleton, bus. mgr., plans by Malcolmson & Higginbotham, 1219 Griswold St., Detroit, Junior High School, 2 story, basement, 200 x 265 ft., rein.-con., brick, steel, stone, plain found., Washington site, Menominee St. $485,000.

Wis., Lake Geneva—HIGH SCHOOL—Bd. Educ. plans by J. C. Llewellyn Co., 38 South Dearborn St., Chicago, Ill., 2 story, brick, stone. $170,000.

Minn., Minneapolis—NURSES HOME—Fairview Hospital Assn., 2316 6th St. S., soon lets contract 6 story, basement, brick, rein.-con., Bedford stone, Bjornson St. S. E. and Mississippi River. Long & Thorshov, 1028 Andrus Bldg., archts. Noted Nov. 10.

Minn., Minneapolis — SCHOOLS — Bd. Educ., 305 City Hall, Junior High School, Nicollet Ave. and 50th St., $300,000; Junior High School addition, Newton and 43rd Aves. N., $240,000; grade schools, 51st St. and DuPont Ave., N. $235,000, and 34th and Fillmore Aves. N. E. $235,000, all 2 story, basement, rein.-con., brick. Architectural Dpt. Owner, archts.

Minn., Willmar—DORMITORIES—State Bd. Control, Capitol Bldg., St. Paul, plans by C. H. Johnston, 715-28 Robert Sts., St. Paul, two 2 story, basement, rein.-con., brick dormitories for State Hospital for Insane.

Mo., Columbia — COLLEGE — Stephens College soon takes bids rein.-con., brick, stone dormitory $200,000; bids in 1929 library $200,000, and dormitory $200,000; bids in 1930 dormitory $200,000; bids between 1930 and 1935 on additional buildings $700,000. Total $1,500,000.

Buildings—Educational, Religious (Cont.)

Mo., St. Louis—CONVENT, CHURCH and SCHOOL—St. Elizabeths Catholic Parish, 2721 Pine St., bids early in 1929, 3 story, basement, 130 x 152 ft. convent, church and school, incl. swimming pool, also 2 story priests rectory, rein.-con., brick, stone, Taylor and Cook Aves. $450,000. Study, Farar & Rothenheber, Arcade Bldg., archts.

Ark., Russellville — HIGH SCHOOL — Russellville School Bd., c/o Secretary, sketches by J. P. Almand, Boyle Bldg., Little Rock, 2 or 3 story, brick, concrete, incl. 45 classrooms, auditorium, gymnasium, offices, southern part town. $100,000-$150,000.

Calif., Claremont — COLLEGE — Scripps College, E. J. Jaqua, pres., plans by Hunt & Burns, 701 Laughlin Bldg., Los Angeles, 2 and 3 story, concrete, hollow tile, incl. auditorium, 300 seating capacity, at Scripps College. $150,000.

Calif., Los Angeles—SCHOOL—City of Los Angeles School Dist. plans by Taylor & Taylor, 810 West 6th St., 24 unit school known as Home Gardens School. $160,000.

Calif., Los Angeles—CHURCH—Roman Catholic Archbishop plans by N. Karoly, 1606 Cosmos St., 95 x 165 ft., rein.-con., steel, East 3rd St. $150,000. Noted Aug. 23.

Bids Desired

R. I., Newport—CHURCH—Sept. 24, by Portugese Roman Catholic Church, W. A. Hickey, pastor, 30 Fenner St., Providence, 1 story, basement, brick, stone, Vernon and Broadway Sts. $150,000. A. J. Murphy, 25 Fenner St., Providence, archt.

N. Y., Mount Kisco—CHURCH and PARISH HOUSE — B. Goodhue Associates, archts., 2 West 49th St., New York, taking bids church and parish house, for St. Marks Church, 252 East Main St. $225,000. Noted Aug. 9.

N. Y., Rome—DORMITORY—Oct. 3, by Dpt. Mental Hygiene, Capitol, Albany, general contract dormitory at Rome State School. W. Haugaard, 353 Bway., Albany, archt. Adv. E. N.-R. Sept. 20.

N. J., Demarest—SCHOOL—Bd. Educ., Boro Hall, bids about Oct. 1, revised plans general contract 2 story, basement, brick, steel, plain found. $150,000. E. Sibley, Bluff Rd., Palisades, archt. Noted Aug. 16.

N. J., Glen Ridge—SCHOOL—Sept. 26, by Bd. Educ., High School Bldg., Ridgewood Ave., general contract 2 story, basement, 114 x 135 ft., rein.-con., brick, steel, plain found., Glen Ridge Parkway and Forest Ave. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts.

N. J., Hackensack—SCHOOL—Bd. Educ., 355 State St., bids about Oct. 1, general contract two 2 story, basement, 50 x 120 ft., brick, steel wings to School 4, plain founds., Grand St. and Fairmount Ave. $281,430. A. E. Dore, 173 Main St., archt. Noted Aug. 16.

N. J., Jersey City—NORMAL SCHOOL—Oct. 2, by State Bd. Educ., State House, Trenton, 2 story, basement, 114 x 190 ft., brick, steel, rein.-con. addition, incl. auditorium, gymnasium, plain found., Hudson Blvd. and Culver St. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts. Noted Sept. 6.

N. J., Mendham—SCHOOL—Sept. 28, by Bd. Educ., Public School Bldg., 2 story, basement, brick, steel, rein.-con., plain found. $150,000. Rasmussen & Wayland, 36 West 47th St., New York, archts. Noted July 19.

N. J., New Milford—HIGH SCHOOL—Sept. 25, by Bd. Educ., Boro Hall, general contract 3 story, basement, rein.-con., brick, steel, plain found. $400,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Sept. 6.

N. J., Paterson—SYNAGOGUE, SCHOOL and COMMUNITY CENTER—F. W. Wentworth, archt., 140 Market St., bids about Oct. 15, 2 story, basement, brick, steel, plain found., on 170 x 280 ft. site, Bway. and 33rd St., for Temple Emanu-El, A. Miller, pres. $150,000. Noted Mar. 22.

N. J., Pleasantville—SCHOOL—Sept. 25, by Bd. Educ., school. $500,000. H. Vaughn, Guarantee Trust Bldg., Trenton, archt.

N. J., South Orange—BIBLE SCHOOL—Sept. 26, by C. C. Grant, & J. Dahler, archts., 175 5th Ave., New York, general contract 3 story, basement, 65 x 110 ft., brick, steel, plain found., for 1st Presbyterian Church, J. Edensen, Irving St. $150,000.

Pa., Harrisburg—TEMPLE—Zembo Temple, Nobles of the Mystic Shrine, Chestnut St., taking bids and open same about Oct. 1, temple, 3rd and Division Sts. $500,000. C. H. Lloyd, Telegraph Bldg., archt. A. W. Brunner, 101 Park Ave., New York, associated archt.

N. C., Raleigh—HIGH SCHOOL—Sept. 28, by School Com., H. F. Srygley, supt., concrete, steel, incl. 52 rooms, audiotrium, cafeteria, gymnasium, St. Marys St. $350,000. W. H. Deitrick, Raleigh, archt.

Ga., Emory University—NURSES HOME—Sept. 24, by Wesley Memorial Hospital, C. H. Candler, chn. building com., 3 story, basement, sub-basement, 3 x 142 ft. with 39 x 78 ft. wing, rein.-con., hollow tile, stucco, brick found. $200,000. Hentz, Adler & Shutze, Candler Bldg., Atlanta, archts. Noted Aug. 2.

Ky., Louisville—HIGH SCHOOL—Sept. 28, by Business Dir. Bd. Educ., 8th and Chestnut Sts., 3 story, part basement, 159 x 238 ft., brick, tile, 17th and Madison Sts. $375,000. J. M. Colley, c/o owner, archt. Noted Mar. 1.

Ky., Louisville—SCHOOL—Sept. 28, by Bd. Educ., 8th and Chestnut Sts., 125 x 200 ft., rein.-con., brick, steel, 18th and Madison Sts. $350,000. J. M. Cooley, 8th and Chestnut Sts., archt. Warren & Ronald, 1001 Realty Bldg., heating engr. Noted Apr. 26.

Ind., Indianapolis — DORMITORIES — Butler University bids about Oct. 15, 4 story boys and 4 story girls dormitories. $200,000 each. T. Hibben, 114 East 32nd St., New York, archt.

Ind., Kokomo—SCHOOLS—Sept. 26, by School Comrs., J. C. Stone, secy., 4 story, 50 x 200 ft. high school, $155,000; and 2 grade schools, $150,000, all brick, steel. H. P. Bartlett, 1050 North Delaware St., Indianapolis, archt. June 28.

Ind., Rushville—SCHOOL—Oct. 2, by School Trustees Orange Twp., 2 story, basement, 105 x 160 ft., brick, steel high and grade school. $150,000. Henkel & Hanson, Connersville, archts.

Ind., Southport—HIGH SCHOOL—School Comrs. bids about Nov. 1, 2 story, brick, steel, incl. auditorium, gymnasium. $175,000. McGuire & Shook, North Meridian St., Indianapolis, archts. Noted June 21.

Ill., Oak Park — SCHOOL — Bd. Educ., bids about Sept. 25, 2 story, brick addition, 301 Washington Blvd. $200,000. Roberts & Roberts, 105 North Clark St., Chicago, archts.

Ill., Park Ridge—SCHOOL—Bd. Educ., bids about Sept. 20, 2 story, basement, brick, $400,000. Perkins, Chatten & Hammond, 160 North La Salle St., Chicago, Ill., archts. Noted Aug. 9.

Kan., Junction City—SCHOOLS—Sept. 25, by Secretary Treasurer Bd. Educ., Washington School, 2 story, basement, 85 x 133 ft., and Senior High School, 3 story, basement, 157 x 173 ft. high school, both brick, stone, rein.-con. Felt, Dunham & Kriehn, 300 West 47th St., Kansas City, Mo., archts.

Calif., San Francisco—SCHOOL—Oct. 3, by Bd. P. Wks., school, Onondaga, Otsego and Cayuga Aves., for City and San Francisco Co. $388,000.

Contracts Awarded

N. H., Concord—SCHOOL—City, H. F. Lake, and Wells & Hudson archts., Hanover, 2 story, basement, brick, stone, plain found., to H. P. Cummings Constr. Co., 14 Prospect St., Ware, Mass. Est. $150,000. Noted Aug. 29.

Conn., Branford — SCHOOL — Town, School Bd., 2 story, basement, 57 x 58 ft., and 57 x 170 ft., brick, steel, rein.-con., stone, to Larkin-Cary Co., 166 Brewery St., New Haven. Est. $240,000. Noted Aug. 30.

N. Y., Brooklyn—SCHOOLS—Bd. Educ., 500 Park Ave., New York, general contract P. S. 200, to D. M. W. Constr. Co., 5th Ave. and 92nd St., $518,000. Noted Aug. 23.

N. Y., Brooklyn—HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 227, Edward B. Shallow Junior High School, to Pstay & Fuhrman, Inc., 153 East 72nd St., New York, $794,781. Noted Aug. 16.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract P. S. 93, to George Colon Constr. Co., 103 East 125th St., $538,000. Noted Sept. 6.

N. Y., New York—SCHOOLS—Brearly School Ltd., 60 East 61st St., 8 story, 90 x 136 ft., steel, brick, 608-16 East 83rd St., to Turner Constr. Co., 420 Lexington Ave. Est. $600,000. Noted Sept. 13.

N. J., Grantwood — CHURCH — Trinity Episcopal Church, R. A. Carleton, chn. Building Com., 784 River Rd., Edgewater, general contract 2 story, basement, brick, steel, plain found., Palisade Ave., to W. B. Eyrich, 123 Van Nostrand Ave. Est. $150,000.

N. J., Newark—VOCATIONAL SCHOOL—Essex Co. Bd. Vocational Educ., Hall of Records Bldg., general contract 2 story, basement, 195 x 245 ft., brick, steel, plain found., to F. Kilgus, Inc., 13 South 6th St., $553,293; plumbing, to Schrennel Bros., 734 South 12th St., $32,224; heating and ventilating, to R. P. Lister, 532 Bloomfield Ave., Verona, $72,293; electrical work, to Buhl & Coffrey, 35 Hudson St., $21,731. Grand total $679,541. Noted Sept. 6.

N. J., Princeton—DORMITORIES—C. Z. Klauder, archt., 1429 Walnut St., Phila., Pa., general contract 4 story, basement, 138 x 152 ft., and 3 story, 80 x 150 ft., brick, steel, plain found., to Matthews Constr. Co., Princeton, for Princeton University. Est. $250,000. Noted Aug. 16.

Md., Baltimore — LABORATORY — University of Maryland, Lombard and Green Sts., 6 story, basement, 166 x 195 ft., rein.-con., brick, steel, incl. class rooms for dentistry, pharmacy, Lombard and Greene Sts., to Price Constr. Co., Maryland Trust Bldg. Noted Aug. 2.

D. C., Wash.—HIGH SCHOOL—District Comrs., District Bldg., E. A. Paul Junior High School, to George Hyman Constr. Co., 1010 Vermont Ave., N. W., $517,800. Noted Aug. 30.

Va., Charlottesville—DORMITORIES and ACADEMIC — University of Virginia, 8 dormitories and 1 academic building, to Harwood Constr. Co., Newport News, Va., $525,000. Noted Aug. 30.

Tenn., Jackson—HIGH SCHOOL and GYMNASIUM—J. D. Johnson, comr. Bd. Educ., 3 story, basement, concrete, brick, to W. C. Owen & Co., Dermon Blvd., Memphis, $174,449; plumbing and heating, to Curtis Plumbing Co., Jackson, $27,719. Noted Sept. 6.

Tenn., Nashville — HIGH SCHOOL — Catholic Diocese of Nashville, 2001 West End Ave., Father Ryan School, 3 story, basement, brick, native stone, steel, tile, incl. library, 50 x 90 ft. gymnasium, assembly hall, to Nicholson & Co., Knoxville, $200,000. Noted Apr. 26.

O., Akron—SCHOOL—City, general contract Andrew Jackson School, to H. Kinson, Akron, $143,143; steam heating, to Kraus Plumbing & Heating Co., 92 Ash St., $42,799.

O., Columbus — CHURCH — St. Peters Congregation, New York Ave., 87 x 100 ft., brick, stone, 50 ft. high, New York Ave., to P. McAllister & Son, 1179 Wyandotte Rd., $65,925.

Ind., Columbus—HIGH SCHOOL—School Comrs., general contract 2 story, basement, rein.-con., brick, steel, to Hill & Strethberry, Columbus; heating and ventilating, to Freyn Bros., 1028 North Illinois St., Indianapolis, est. $150,000. Noted Aug. 9.

Ind., Dunlap—HIGH SCHOOL—School Comrs., general contract 2 story, basement, 70 x 125 ft., rein.-con., brick, steel, to H. E. Myers, Elkhart; plumbing, to W. H. Drews, Elkhart; heating and ventilating, to Weaver Heating Co., Auburn. Est. $150,000.

Ind., East Chicago — CHURCH — First Baptist Church, general contract 2 story, basement, brick, steel, stone, to P. Maginsky, 3715 Main St. Est. $150,000.

Ind., Ft. Wayne—CHURCH—St. Johns Lutheran Church, E. J. Boerger, pastor, general contract rein.-con., brick, steel, to H. Kaiser, 1728 Spy Run St. Est. $150,000.

Ind., Greencastle—CHURCH—Methodist Church, general contract rein.-con., brick, steel, Locust and Spring Sts., to L. Colvin, Continental Bank Bldg., Indianapolis. Est. $200,000.

Ind., Huntingburg — CHURCH — Salem Evangelical Church, J. Klingberger, pastor, general contract 2 story, basement, 61 x 120 ft., rein.-con., brick, steel, to P. Partenheimer, Huntingburg. Est. $150,000. Noted Apr. 5.

Mich., Detroit—SCHOOL—St. Lukes Parish, 7929 Wisconsin Ave., 2 story, basement, 60 x 130 ft., rein.-con., brick, steel, stone, plain found., Wisconsin Ave., to W. E. Wood Co., 1805 Ford Bldg. Est. $150,000.

Wis., Milwaukee—OLD PEOPLES HOME — Scandinavian American Old Peoples Home, c/o Leenhouts & Guthrie, archts., 424 Jefferson St., general contract 2 story, English basement, 74 x 113 ft., brick, concrete, to D. B. Danielson, 874 Layton Blvd. Noted July 24.

Minn., Minneapolis—CHURCH and COMMUNITY—A. B. Boyer, archt., 878 Arcade Bldg., St. Louis, Mo., general contract 12 story, basement, 57 x 110 ft., rein.-con., steel, brick, terra cotta, stone, Grand St. and Stevens Ave., to Stahr-Burgum Co., 401 Metropolitan Bank Bldg., for Wesley Church Corp., 501 Palace Bldg. Est. $700,000. Noted May 24.

Ont., Toronto—SCHOOL—W. W. Pearce, 155 College St., masonry contract 2 story, basement, rein.-con., brick, steel addition to John Wanless School, to Carter & Cecil, 269 Leslie St.; carpentry, to F. Markham, 1104 Bay St.; structural steel, to Reid & Brown, 63 Esplanade St. E.; roofing, to A. B. Ormsky Co. Ltd., 150 Van Horne St.; electrical work, to Moss Electric Co., 156 St. Clements Ave.; plumbing, drains and heating, to Fiddes & Hogarth, 122 King St. E., for Bd. Educ., 155 College St. Est. $150,000.

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Federal Government Work

Proposed Work

Va., Norfolk — CONCRETE ROADS — Spec. 5665—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at U. S. Naval Hospital.

Va., Yorktown—FIRE ALARM CIRCUITS—Spec. 5379—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Navy Mine Depot.

S. D., Newell—COTTAGES and GARAGES — Bureau Reclamation, Denver, Colo., rejected bids June 1, for Belle Fourche Project. Work to be done by purchase and hire method.

Idaho, Boise—FEDERAL—Treas. Dpt., at office Supervising Archt., Wash., D. C., soon takes bids 4 story, basement addition to Federal Building. J. A. Wetmore, acting superv. archt.

Calif., San Diego—BOILER—Spec. 5483—Bureau Yards & Docks, Navy Yard, Wash., D. C., boiler and accessories at Naval Air Station.

Bids Desired

Mass., Camp Devons (br. Boston)—BARRACK and HOSPITAL—Oct. 15, by Constructing Quartermaster, infantry battalion barrack and post hospital; adv. E. N.-R. Sept. 20. Noted Jan. 5.

D. C., Wash.—EXTENSION—Oct. 15, by Treas. Dpt., at office Supervising Archt., 8 story, basement, fireproof extension to Government Printing Office. J. A. Wetmore, acting superv. archt.

Virginia and North Carolina—DREDGING—Oct. 18, by U. S. Engineer Office, Norfolk, 2,813,250 cu.yd. Pamico River-Bay River Sect. Inland Waterway from Norfolk, Va. to Beaufort Inlet, N. C., Beaufort and Pamlico Counties, North Carolina; adv. E. N.-R. Sept. 20.

Va., Norfolk—RIP RAP STONE—Oct. 3, by U. S. Engineer Office, 3,032 tons rip rap stone for repairing Craney Island Bulkhead, Norfolk Harbor. Noted Sept. 6.

Mississippi—Sept. 26, by U. S. Engineer Office, Mobile, Ala. dredging in Pascagoula River and Mississippi Sound Channels.

Idaho—ROAD—Sept. 27, by Dpt. Agriculture, Bureau Pub. Rds., Ogden, Utah, grading 1.89 mi. Teton Hy. 38-A, Natl. Forest Road Project, in Targhee Natl. Forest, Teton Co. B. J. Finsh, dist. engr.

Utah—ROAD—Sept. 27, by Dpt. Interior, Natl. Park Serv. Ogden, grading, tunnel, bridge on East Rim Road Project, Sect. 1-A-3, Zion Natl. Park, Washington Co. B. J. Finch, dist. engr. U. S. Bureau Pub. Roads, 403 Kresel Bldg., Ogden.

Cuba, Guantanamo Bay—GENERATORS—Spec. 5699—Oct. 10, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., oil engine generators at Naval Air Station; adv. E. N.-R. Sept. 20.

Cuba, Guantanamo Bay—RAILWAY—See "Contracts Awarded."

Bids Received

Mass., Rutland Heights—GREENHOUSE—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., Sept. 11, at U. S. Veterans' Hospital, from J. C. Moniger & Co., 2509 West 22nd St., Chicago, Ill., $11,847. Noted Aug. 31.

N. Y., Governors Island (br. New York)—BARRACKS—Constructing Quartermaster, Sept. 14, 1 barracks building at Fort Jay, from J. McWilliams, 55 West 42nd St., New York, $1,186,520. Noted Aug. 23.

D. C., Wash.—HEATING SYSTEM—Spec. 5721—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing at Naval Air Station, Anacostia, from Concrete Oil Co., Mills Bldg. (1) $2,889; (2) $2,775. Noted Sept. 6.

Va., Virginia Beach—TOWERS—Spec. 5680—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Sept. 12, moving radio towers, from J. Nixon, 49-22nd St. S., Norfolk, Va., $4,211. Noted Aug. 30.

Ga., Augusta—GARAGE—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Sept. 4, addition at U. S. Veterans' Hospital, from Claussen-Lawrence Co., 1394 Gwinnett St., $7,840. Noted Aug. 23.

Ga., Columbus — WATER PIPING — Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 30, at U. S. Post Office, from O'Pry Plumbing & Heating Co., 163 Cotton Ave., Macon, $5,324. Noted Aug. 23.

Fla., Lake City — ALTERATIONS — U. S. Veterans' Bureau, Arlington Bldg., Aug. 28, Building 4, at U. S. Veterans' Hospital from Grahn Constr. Co., Daytona Beach, $63,377. Noted Aug. 9.

La., New Orleans—DREDGING—U. S. Engineer Office, Poland and Dauphine Sts., Sept. 4, dredging 524,000 cu.yd. Little Caillou Bayou, from Lake Arthur Dredging Co., 561 V. Weiss Bldg., Beaumont, Tex., at $0.12 per cu.yd. Noted Aug. 16.

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Ind., Terre Haute—ELEVATOR—Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 28, at U. S. Post Office, from Ctis Elevator Co., 810 18th St. N.W., $7,987. Noted Aug. 23.

Ia., Knoxville—GREEN HOUSE—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., Sept. 4, at U. S. Veterans' Hospital, from A. H. Newman, Des Moines, $8,731. Noted Aug. 23.

Kan., Fort Riley (Ind. br. Junction City)—ROADS — Constructing Quartermaster, Aug. 24, concrete roads, sidewalks, from Walter Bros. Constr. Co., Manhattan, $12,790.

Colorado—ROAD—Bureau P. Rds., Custom House, Denver, Aug. 21, improving Dolores-Rico Project, Sect. B, from Salls Constr. Co., Rico, $75,304. Noted Aug. 16.

Wash., Fort Lewis—BARRACKS—Constructing Quartermaster, Sept. 5, barracks buildings, from Chrisman & Snyder, Railway Exchange Bldg., Seattle, $505,006. Noted Aug. 23.

Oregon—ROADS—Bureau P. Rds., Dpt. Interior, Portland, from A. Milne, Portland, improving Sand Creek-Park Boundary Rd., $52,087, with Park, Project fA-1, $51,345; East Entrance Rd., East Entrance-Lost Creek R. Sta., $10,674, with Park Project 5A-1 $10,542.

California — GRADING — Natl. Park Serv., Bureau P. Rds., Aug. 30, grading Camp Hoyle-Alder Creek Sect. Wawona-Yosemite Natl. Park Hy., from T. R. Connolly, 461 Market St., San Francisco, $102,611. Noted Aug. 23.

California — ROAD — Bureau P. Rds., Dpt. Interior, San Francisco, improving San Marcos extension, San Marcos Natl. Forest Hy., from Nevada Constr. Co., Fallon, Nev., $56,721 incl. 10% engineering and contingencies.

Calif., Mare Island—AUTOMATIC REFRIGERATING PLANT — Spec. 5586 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., Aug. 29, at Navy Yard, from Parker Ice Machine Co., 943 3rd St., San Bernardino, $4,783 (120 days). Noted Aug. 9.

C. Z., Coco Solo—SEAPLANE HANGARS—Spec. 5661—Bureau Yards & Docks, Navy Dpt., Wash., D. C., seaplane hangars, from Austin Eng. Co., Inc., 566 Southern Blvd., New York, N. Y., $197,000. Noted Aug. 16.

Contracts Awarded

Mass., Rutland Heights—GUTTERS and SIDEWALKS—U. S. Veterans Bureau, Arlington Bldg., Boston, Mass., concrete guttering, sidewalks at U. S. Veterans Hospital, to R. H. White, Auburn, $4,050.

N. J., Fort Monmouth—SEWAGE DISPOSAL PLANT—Constructing Quartermaster, sewage disposal plant, to Coast Constr. Co., Red Bank, $15,825. Noted Aug. 2.

D. C., Wash.—DRAW SPAN—Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., bascule draw span for Arlington Memorial Bridge, to Phoenix Bridge Co., Phoenixville, Pa. $912,000; granite for Boundary Channel Bridge of Arlington Memorial Bridge, to North Carolina Granite Co., Mount Airy, N. C. $15,000, to Hollowell Granite Wks., Augusta, Me. $149,000, and to Woodbury Granite Co., Burlington, Vt. $118,900. Grand total $1,194,900. Noted July 24 and 28.

Va., Norfolk—DREDGING—U. S. Engineer Office, in southern and eastern branches Elizabeth River, to Bickel Dredging Corp., 50 Church St., New York, $177,711. Noted Sept. 6.

Va., Quantico—POWER PLANT EQUIPMENT—Spec. 5602—Bureau Yards & Docks, Navy Dpt., Wash., D. C., generating plant equipment, to M. H. Pagenhart & Co., 2130 Locust St., Phila., Pa., $224,730. Noted Sept. 13.

N. C., Fort Bragg—BARRACKS—Constructing Quartermaster, Sept. 6, field artillery regimental barracks, to W. P. Rose, Goldsboro, $294,600. Noted Aug. 16.

Miss., Vicksburg — LEVEE — Mississippi River Comn., 1,500,000 cu.yd. levee work 30 mi. from here, Sharkey Co., to Sternberg Co., Inc. & Rodgers Bros. & Co., 62 South Front St., Memphis, Tenn., $400,000.

La., New Orleans—FILL—U. S. Engineer Office, 1,329,000 cu.yd. hydraulic fill in 4th Mississippi River Dist., to McWilliams Dredging Co., Orleans Bank Bldg., $219,923. Noted Sept. 23.

Ill., Great Lakes (br. Waukegon)—REROOFING—Spec. 5700—Bureau Yards & Docks, Navy Dpt., Wash., D. C., buildings 38 and 90, at Naval Training Station, to Chicago Waterproofing & Roofing Co., 1108 West Adams St., Chicago, $3,683 (60 days). Noted Aug. 30.

Ill., Great Lakes (br. Waukegon)—PARAPET WALL—Spec. 5729—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing rebuilding cornice and parapet wall at Naval Training Station, to T. Jensen, 625 North Ave., Waukegon, $4,987 (60 days). Noted Aug. 30.

S. D., Newell — COTTAGES and GARAGES — See "Proposed Work."

Arkansas — EARTHWORK — Mississippi River Comn., 1st and 2nd Dists., McCall Bldg., Memphis, Tenn., levee work in Lower St. Francis and White River Levee Dists., Piece 24, to Delta Constr. Co., Lake Comorant, Miss., $4,050; Piece 28 A and C, to G. C. Weathers, Jr., Greenville, Miss., $36,040; Piece 26, to H. J. Kaiser, Anglo Bank Bldg., Oakland, Calif., $67,680; Piece 30, to Hughey Bros., 971 James St., Memphis, Tenn., $28,600; Piece 34, to Atkinson Bros., Pine Bluff, $24,765. Grand total $161,135. Noted Sept. 6.

Texas—DREDGING—U. S. Engineer Office, Galveston, channel between Aransas Pass and Corpus Christi, to Atlantic, Gulf & Pacific Co., 15 Park Row, New York, at $0.135 per cu.yd., total $65,880. Noted July 19.

Tex., Galveston—PUMP—U. S. Engineer Office, dredging pump for dredge, to Raymond-Hardie-Tynes Mfg. Co., 800 North 28th St., Birmingham, Ala., $6,488.

Wash., Ellensburg — EARTHWORK — Bureau Reclamation, Dpt. Interior, South Branch Canal, to Morrison & Knudsen Co., Boise, Idaho, $272,954. Noted Aug. 30.

Wash., Sand Point — HANGAR and RAILROAD TRACK — Spec. 5660 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Air Station, to Western Constr. Co., Seaboard Bldg., Seattle, $179,427 (360 days). Noted Aug. 23.

Calif., Mare Island—REFRIGERATING PLANT — Spec. 5586—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Navy Yard, to Parker Ice Machine Co., 943 3rd St., San Bernardino, $4,783 (120 days). Noted Aug. 9.

Calif., San Diego—RAILROAD—Spec. 5738—Bureau Yards & Docks, Navy Dpt., Wash., D. C., railroad track connections to DeWaard & Son, 207 Granger Blvd., $7,384 (90 days).

Cuba, Guantanamo Bay—RAILWAY—Spec. 5587—Bureau Yards & Docks, Navy Dpt., Wash., D. C., marine railway at Naval Station, station labor. Former bids rejected. Noted Aug. 30.

FEDERAL POWER COMMISSION

Application for License and Permits Applications

917—Commonwealth Mining & Exploring Co., 300 Lakeside Ave. S., Seattle, Wash., preliminary permit power project on Davis River, Tongass Natl. Forest, Alaska.

918—Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif., wants license transmission line partly within Santa Barbara Natl. Forest, Ventura Co.

919—West Virginia Hydro-Electric Co., Lewis and Clarke Circle, Charlottesville, Va., wants license power project on New River in Raleigh and Summers Counties, W. Va.

920—R. H. McNeill, 1153 Natl. Pres. Bldg., Wash., D. C., wants preliminary permit power project on Tennessee and Dick Rivers, and affecting Shiloh Natl. Military Park, in Trigg, Marshall, and Calloway Counties, Kentucky, and Stewart, Henry Houston, Benton, Humphreys, Perry, Wayne, Decatur and Hardin Counties, Tennessee.

921—Idaho Power Co., Boise, Idaho, wants license transmission line on public lands in Baker and Malheur Counties, Ore.

922—Champion Sillimanite Inc., Bishop, California, wants license power project on Milner Creek, partly in Inyo Natl. Forest and partly on public lands in Mono Co.

923 — Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif., wants license transmission line partly in San Bernardino Natl. Forest, San Bernardino Co.

924—Bd. Directors State Institutions, Phoenix, Ariz., wants preliminary permit power project in Little Colorado River affecting Navajo Indian Reservation, Coconino Co.

Unclassified

Proposed Work

AVIATION FIELD—**Attleboro, Mass.**—Chamber of Commerce, A. Kendall, pres., Park St., aviation field near Greenwood Pond. $30,000. Engineer not selected. Noted July 28.

BATH and DRESSING ROOMS—**Mattapan** (Sta. Boston), **Mass.** — Mikvah Israel Assn., L. Simpson, pres., Wildwood St., 2 story, rein.-con., steel bath and dressing rooms, 79 Wildwood St. $40,000. M. E. Levy, 43 Tremont St., Boston, archt.

Unclassified (Continued)

GRADE CROSSING ELIMINATION — **Grand Gorge, N. Y.** — Ulster & Delaware R.R., E. Coykendall, pres., Kingston, eliminating Rice Clark Grade Crossing; 1½ mi. north of here, Delaware Co. $93,000.

GRAND STAND — **Long Island City, N. Y.** — Irish American Athletic Assn., 15 East 60th St., New York, timber grand stands. $30,000.

GRADE CROSSING ELIMINATION — **Newfield, N. Y.** — Lehigh Valley R.R. Co., G. T. Hand, ch. engr., 143 Liberty St., New York, eliminating Ithaca-West Danby Hy., 1½ mi. north of here, Tompkins Co. $78,000.

COMFORT STATIONS—**New York, N. Y.** —H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bids in October, comfort stations at 170th St. and Jerome Ave., 161st St. and Courtland Ave., Westchester Ave. and Eastern Blvd., and Jackson Ave. and Southern Blvds. $140,000. M. Hausle, 3307 3rd Ave., archt. Noted Sept. 6.

COMFORT STATION—**New York, N. Y.** —H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., brick, tile comfort station, Tremont Ave. and Crotona Parkway. $30,000. M. Hausle, 3307 3rd Ave., archt.

SIGNAL SYSTEM—**Jersey City, N. J.**—Bd. Freeholders Hudson Co., Court House, new signal system on Hudson Blvd. $50,000. F. J. Radigan, Court House, co. engr.

HYDRO-ELECTRIC DEVELOPMENT—**Virginia and North Carolina** — Virginia Carolina Power Co. (subsidiary Virginia Electric & Power Co., 700 East Franklin St., Richmond, Va.), applied to Federal Power Comn., for authority to construct 35 ft. rein.-con. dam, and steel, concrete power house near mouth Polar Creek at Virginia-Carolina line. $4,000,000. Stone & Webster, Inc., 49 Federal St., Boston, Mass., engrs.

HYDRO-ELECTRIC DEVELOPMENT—**Clarksville, Va.** — Roanoke River Power Co., c/o Viele, Blackwell & Buck, survey engrs., 49 Wall St., New York, 55 ft. dam and 80,000 hp. power house at Buggs Island, N. C., 20 mi. from here. $10,000,000. Federal Power Comn. granted permit.

COALING STATIONS—**Michigan**—Michigan Central Ry., J. F. Deimling, ch. engr., Detroit, 1,000 ton railroad coaling station, rein.-con., at Jackson, $100,000; 200 ton, at Clarendon, $20,000. Private plans.

COAL CHUTE — **Chicago, Ill.** — Chicago, Rock Island & Pacific Ry. Co., La Salle Street Sta., Chicago, Ill., C. A. Morse, ch. engr., coal chute. $25,000.

AIR PORT — **Granite City, Ill.** — Radio Aircraft Corp., c/o Radio Station W. I. L. of Missouri, L. Benson, pres., Melbourne Hotel Grand Ave. and Lindell Blvd., preliminary plans airport, incl. hangers, runaways, administration and school buildings, on 80 acre site.

SWIMMING POOL—**St. Louis, Mo.**—See "Buildings—Educational, Religious."

AIR PORT—**Springfield, Mo.**—Springfield National Guard, c/o Springfield Park Bd. c/o I. A. McBride, pres., soon takes bids complete airport, incl. 4,500 ft. 6 and 12 in. vitr. clay sewers, 2 story, basement administration building, 100 x 80 x 18 ft. high field stone hangar and 40 x 16 x 10 ft. high lean to, O. L. Allen, 1840 North Douglas Ave., $13,978. Russell & Axon, 408 McDaniel Bldg., Springfield and 1945 Ry. Exch., St. Louis, engrs.

LAND DEVELOPMENT—**Wellston, Mo.** —Wellston Hills Realty Co., c/o Cyrus Crane Willmore Organization, Inc., Boatmen's Bank Bldg., St. Louis, preliminary plans 45-acre sub-division development, St. Charles Rock Rd. and Normandy Ave., incl. grading, concrete paving, sewers and water-mains.

NATURAL GAS LINE—**Texas**—Moody-Seagraves Co. & Associates, Esperson Bldg., Houston, 220 mi. 16 in. natural gas pipe line from Winkler Co. to El Paso. $7,000,000. Private plans.

NATURAL GAS SYSTEM—**Oklahoma**—Taylor-Easterly Co., Kennedy Bldg., Tulsa, natural gas system in Fort Cobb, $25,000; Mt. View, $25,000; Roosevelt, $30,000; Carnegie, $25,000; Gotebo, $25,000; Geary, $40,000.

NATURAL GAS SYSTEM — **Cheyenne, Okla.** — Preliminary plans natural gas system. $25,000. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

SMELTER — **Dewey, Okla.** — National Zinc Co. preliminary plans new smelter block. $60,000. Private plans.

GAS SYSTEM — **Fletcher, Okla.** — Preliminary plans natural gas distribution system. $25,000. J. Daniels, mayor. Engineer not selected.

GAS SYSTEM—**Gould, Okla.**—Lone Star Gas Co., 1915 Wood St., Dallas, Tex., preliminary surveys natural gas system. $25,000. Private plans.

GAS SYSTEM — **Hammon, Okla.** — City preliminary plans natural gas system. $25,000. G. Wesley, mayor. Engineer not selected.

NATURAL GAS SYSTEM — **Panama, Okla.** — City natural gas system. $25,000.

HYDRO-ELECTRIC DEVELOPMENT—**Tacoma, Wash.**—City Council, L. S. Davison, comr., bids in October, 2nd Unit Cushman Power Project, incl. dam across canyon north fork Skagit River 1.5 mi. below Cushman Dam, tunnel to divert water from point near rim of basin to point 2.5 mi. below, from where water will be conducted by steel penstocks to power house on Hood Canal, power house, generating machinery.

POWER HOUSE — **Kaweah, Calif.** — Southern California Edison Co., 306 West 3rd St., Los Angeles, replacing two 1,900 hp. power plants with power house, generating 3,800 hp. on Keweah River. $160,000. Private plans.

Bids Desired

SUBWAY — **Long Island City, N. Y.** — Oct. 11, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., St., New York, constructing Steinway Loop, portion Queens-Jamaica Ry. Route, along Steinway Ave., Bway. and Northern Blvd.

SWIMMING POOL, etc.—**Spring Lake Beach, N. J.**—Oct. 1, by City Council, bathing casino, 60 x 90 ft. swimming pool, 650 bath houses. M. O. Morris, clk.

PIER SHED—**Baltimore, Md.**—Oct. 3, at office City Register, City Hall, pier shed for McComas St. Terminal Improvements. C. F. Goob, ch. engr. J. E. Greiner Co., consult. engrs. Port Development Comn.; adv. E. N.-R. Sept. 20.

LIGHTING SYSTEM — **Los Angeles, Calif.**—Sept. 26, by Bd. P. Wks., ornamental lighting system on Redondo Blvd., Highland, Mansfield, and other avenues. Est. exceeds $25,000.

WHARF—**Goderich, Ont.**—Sept. 27, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, extending mooring wharf across west side Innre Harbour, also dredging. $30,000.

Bids Received

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 40 Lafayette St., Sept. 14, Sect. 3, Route 106, under Grand Blvd. and Concourse from East 167th to East 175th Sts., from Clemente Contg. Co., 101 Park Ave., $4,812,000. Noted Sept. 6.

Contracts Awarded

SUBWAY — **Dorchester** (sta. Boston), **Mass.** — City of Boston, Transit Dpt., 1 Beacon St., Sect. 5-A, Dorchester Rapid Transit, to M. F. Gaddis, 6 Beacon St., Boston, $241,550.

LAKE HOUSE—**Albany, N. Y.**—Bd. Contr. & Supply, City Hall, lake house in Washington Park, to A. Marinello, Madison and Western Aves., $98,865. Noted Aug. 16.

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5-B, Route 109, Branches 1 and 2, to Cornell Contg. Co., Grand Central Terminal, New York, $2,942,884. Noted Sept. 6.

GAS TANKS—**Long Island City, N. Y.**—Havemeyer & Elders, 290 Vernon Ave., 9 gas tanks, to Mileage Gas Corp., 2 Park Ave., New York. Est. $200,000. Noted Sept. 6.

SPECIAL WORK—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work for Rapid Transit R.R., Item 43, to W. Wharton, Jr. & Co., 110 East 42nd St., $40,970; Item 44, to Ramapo Ajax Corp., 30 Church St., $45,650; protection board brackets and splice plates, Item 45, to Lorain Steel Co., 71 Bway., $45,295. Grand total $131,924. Noted Aug. 30.

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 40 Lafayette St., Sect. 2, Route 106, Rapid Transit R.R. along and under McCombs Park Dam, East 161st St., Grand Blvd. and Concourse, to La Rocca Constr. Corp., 717 St. Nicholas Ave., $5,922,330. Noted Aug. 30.

TRACKS, etc.—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks and contact rail for part Rapid Transit R.R., to B. T. and J. J. Mack, 160 Bway., $598,402. Noted Sept. 6.

POWER CANAL—**Sodus, N. Y.**—Lamoka Power Corp., Sodus, 2 mi. power canal, power house, dredging, to Dutcher Constr. Co., North 1st St., Fulton, $328,380.

SWIMMING POOL—**Elizabeth, N. J.**—Bd. Recreation, City Hall, 1 story, 90 x 150 ft., brick, concrete swimming pool, to F. Belluscio, Inc., 632 2nd Ave., $39,800. Est. $50,000. Noted Aug. 23.

GAS TANK—**Anderson, Ind.**—Central Indiana Gas Co., new 200,000 cu.ft. gas tanks, to Lyst Bros., Anderson, 200,000 cu.ft. gas holder to Stacey Eng. Co., Cincinnati, O., est. $40,000. Noted Aug. 9 under "Buildings—Industrial."

STADIUM and LOCKER—**Flint, Mich.**—City Clerk, 2 story, 66 x 630 ft., rein.-con., to W. Cochran, 1548 Buhl Bldg., Detroit.

FERRY SLIP—**Milwaukee, Wis.**—Harbor Comn., car ferry slip for Municipal Terminal to E. E. Gillen Co., 288 East Water St. $132,655. Noted Aug. 30.

AIRPORT—**Springfield, Mo.**—See "Proposed Work."

GAS PIPE LINE, etc. — **Arkansas** — Arkansas Natural Gas Co., Shreveport, La., 93½ mi. 10 and 12 in. natural gas pipe line between Little Rock and Clarksville, and distribution systems in Conway, Morrillton, Russellville and Atkins, to Booth & Flinn, 1942 Forbes St., Pittsburgh, Pa., $1,250,000 and $500,000 respectively; bitumastic enamel, to Wailes-Dove-Hermiston Corp., 17 Battery Pl., New York; pipe, to Spang-Chalfant & Co. Union Bank Bldg., Pittsburgh Pa.; valves, to Merco-Nordstrom Valve Co., 121-2nd St., San Francisco, Calif., welding supplies, to Blain Beaird Co., Inc., Shreveport, La.

Materials

Bids Desired

PIPE — **Waltham, Mass.** — Sept. 26, by Dpt. Mental Diseases, State House, Boston, 316 tons 6, 8 and 10 in. c.i. water pipe at Metropolitan State Hospital, for Commonwealth of Massachusetts, W. A. Merrill, bus. agt.

PIPE—**New York, N. Y.**—Sept. 28, by P. J. Dooling, comr. Purchase, Municipal Bldg., pipe, pipe fittings, valves, engineers, plumbers, supplies, etc. for Police Dpt., and Dpts. Parks, Plant & Structures, Water Supply, Gas & Electricity.

ASPHALTIC MACADAM BINDER — **St. George, N. Y.** — Sept. 26, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 20,000 gal. asphaltic macadam binder, hot application; 600 tons bituminous concrete on streets in Dists. 1, 2 and 3.

AXLES, STEEL WHEELS, etc.—**Phila., Pa.**—Sept. 28, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., axles, Contr. 75-1928; steel wheels, Contr. 76-1928; bridges, steel sheets, Contr. 77-1928.

TRACK FASTENINGS, etc.—**Phila., Pa.** —Sept. 27, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., track fastenings, Contr. 72-1928; steel sheets, Contr. 73-1928; steel pipe, Contr. 74-1928.

LEAD PIPE, etc.—**Cleveland, O.**—Sept. 21, by City, 130 tons ⅝ in. lead pipe, four hundred 35 ft. cedar poles, 29,000 ft. 3 conductor lead covered cable, five 50 kv. single phase subway type distributing transformers.

WATER PIPE—**Chicago, Ill.**—Sept. 24, by City, City Hall, 2,120 tons 6- to 12-in. c.i. water pipe at various City Pipe Yards. R. Wolfe, comr. Wks.

BRIDGE LUMBER, etc.—**Harlan, Ia.**—Oct. 4, at office Auditor Shelby Co., 15,000 ft. creosoted yellow pine bridge lumber, 13,960 ft. creosoted southern yellow pine bridge piling, 297,800 ft. Douglas fir bridge lumber (untreated), 2,800 ft. corrugated culvert material, bridge hardware and paint. J. P. Camery, Harlan, co. engr.

WATER METERS—**Mexico, Okla.**—City in market fifty ⅝ in. water meters.

WATER METERS—**Tulsa, Okla.**—City in market two hundred fifty ⅝ in water meters.

PUMPING PLANT MATERIAL — **Los Angeles, Calif.**—See "Sewers."

Contracts Awarded

Piling—Minneapolis, Minn.—F. S. Gram, city purch. agt., to Wheeler Lumber, Bridge & Supply Co., 736 Lumber Exch. Bldg., 1,000 pieces piling 20 ft. at $0.115 per ft.; 24 ft. $0.125; 28 ft. $0.128; 30 ft. $0.138. Noted Aug. 23.

Foreign

T. H., Honolulu—Kamehaeha College bids after December, college buildings. To exceed $3,500,000. C. W. Dickey, Damon Bldg., archt. Noted July 2, 1925.

See proposal advertising on page 120

Constr. News page 165

UNIT PRICES

Straightening River—Chicago, Ill.

Board of Public Works, City Hall, opened bids July 6, altering channel of South Branch of Chicago River between Polk and West 18th Sts. Includes new channel between said streets, with dock walls at each side, and filling of old or existing channel. Bidders are: (A) Central Dredging Co., 307 North Michigan Ave.; (B) Great Lakes Dredge & Dock Co., 104 South Michigan Ave. (awarded contract); (C) Construction Materials Co.; (D) States Contracting Co.; (E) FitzSimons & Connel Dredge & Dock Co.; (F) Dunbar & Sullivan.

	A	B	C	D	E	F
950,000 cu.yd. excav.	$0.50	$0.48	$0.70	$0.80	$0.875	$0.974
1,000 cu.yd. removal of ledge rock	20.00	14.00	21.60	25.00	23.50	24.00
2,000 cu.yd. removal of concrete or masonry	25.00	13.00	24.20	25.00	16.75	10.00
7,000 lin.ft. pile dock-wall	132.30	186.15	152.00	175.00	185.00	189.25
440 lin.ft. special treatment of pile dock-wall	28.00	39.00	145.80	80.00	40.00	41.00
1,190 lin.ft. pile crib dock-wall	182.98	290.00	235.50	257.00	295.00	345.55
440 lin.ft. timber crib dock-wall	333.20	395.50	341.30	365.00	349.50	462.00
900,000 cu.yd. general fill	.55	.30	.81	.85	.85	.89
100,000 cu.yd. top fill	.55	.30	.97	.90	1.00	1.00
1,200 lin.ft. conc. sewer—3 ft. dia.	29.40	40.00	34.40	45.00	57.00	48.00
170 lin.ft. conc. sewer—4 ft. dia.	27.30	45.00	51.00	55.00	60.00	50.00
800 lin.ft. conc. sewer—8 ft. dia.	162.40	100.00	97.20	110.00	199.00	150.00
100 lin.ft. tile sewer—12 in. dia.	4.20	7.30	9.25	5.00	4.50	4.00
12 conc. manholes	84.00	185.00	108.00	150.00	180.00	100.00
Totals	$2,569,043	$2,773,930	$3,249,500	$3,570,280	$3,811,090	$4,015,275
Extras for Contingent Purposes						
Additional oak piling, per lin.ft.	$1.00	$0.99	$0.99	$0.95	$0.90	$1.15
Additional Y.P. or douglas fir sheet piling, per M. ft. B.M.	150.00	125.00	129.00	175.00	140.00	137.00
Additional Y.P. or douglas fir timber, per M. ft. B.M.	150.00	150.00	151.00	175.00	150.00	148.00
Additional oak timber, per M. ft. B.M.	250.00	175.00	280.00	200.00	185.00	162.50
Additional hardware, steel waling bolts, etc., per lb.	.15	.25	.25	.20	.15	.17
Additional rock filling, quarry run, per cu.yd.	3.50	3.00	3.92	4.00	3.25	3.50
Additional rock filling, selected stone, per cu.yd.	4.50	4.50	4.50	5.50	4.00	5.00
Additional concrete, per cu.yd.	30.00	30.00	30.00	30.00	28.00	20.00
Additional steel reinforcing bars, per lb.	.10	.10	.10	.10	.08	.07
Extra portland cement (cold and freezing weather), per bag	1.00	1.00	1.18	1.00	1.00	.90
Steel anchor posts	250.00	195.00	196.00	250.00	200.00	162.00

Engineering News-Record, Issue of September 20, 1928

Bridge—Akron, Ohio

Commissioners of Summit Co. opened bids July 30 reinforced-concrete bridge with retaining wall at Case Ave. and River St., 35-ft. span, 40-ft. roadway, 10-ft. walks. Bids of engineer, lowest three and highest bidders are given below: (A) Engineer's Estimate; (B) Purdy Construction Co., Mansfield, (awarded contract); (C) Coventry Construction Co., Akron; (D) E. Gedney, Cleveland; (E) Columbus Asphalt Paving Co., Columbus. H. G. Sours, Courthouse, engineer.

	A	B	C	D	E
Removal of existing structure	$500.00	$500.00	$500.00	$400.00	$500.00
2,600 cu.yd. excav. unclassified for channel, abutments and ret. walls	3.00	1.50	3.00	2.60	3.00
Extending and preserving sewers and water lines	1,000.00	800.00	300.00	250.00	1,000.00
1,050 cu.yd. concrete (1-2½-4)	17.00	11.50	14.50	15.50	17.00
550 sq.ft. ½-in. premoulded expansion joint	.50	.50	.25	.40	.50
47,000 lb. reinforcing steel	.05	.05	.0375	.0475	.03
146 cu.yd. concrete (1-2-3)	22.00	22.00	16.00	20.00	22.00
160 lb. ¼-in. phosphor bronze bearing plates	1.25	1.25	.50	1.25	1.25
80 sq.ft. ½-in. premoulded expansion joint	.25	.25	.18	.30	.25
41 lin.ft. railing on bridge (concrete)	5.00	5.00	8.00	5.00	5.00
130 lin.ft. railing on west abutment	3.00	2.00	2.50	3.00	3.00
4 cast iron scuppers	15.00	15.00	18.00	15.00	15.00
360 sq.ft. 4-in. sidewalk	.25	.25	.30	.20	.25
29 cu.yd. conc. in approach slab (1-2½-4)	16.00	16.00	14.50	13.00	16.00
*270 sq.yd. 3-in. sheet asphalt pavement, 1½-in. binder, 1½-in. top (lake)	2.00	1.85	2.25	2.30	2.00
*270 sq.yd. 3-in. sheet asphalt pavement, 1½-in. binder, 1½-in. top (oil)	2.00	1.75	2.25	2.00	2.00
Maintaining lights, signs and barricades	100.00	100.00	200.00	50.00	100.00
Totals lake asphalt pavement	$39,056	$25,011	$30,216	$31,057	$34,116
Totals oil asphalt pavement	39,056	24,984	30,216	30,976	34,116

*Alternate bids.

Engineering News-Record, Issue of September 20, 1928

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Waterworks, Sacramento, Calif., Sacramento Public Utility Dist., plans bond election, $11,500,000.

Theatre and Hotel, Cincinnati, O., Corp., c/o W. H. Ahlschlager, archt., plans, $7,000,000.

Waterworks, Akron, O., bond election Nov. 6, $6,000,000.

Apartment, New York, N. Y., Bricken Construction Co., plans, $4,500,000.

Bridge, Madison, Ind., National Toll Bridge Co., c/o J. G. White & Co., New York, soon takes bids, total, $2,500,000.

Schools, St. Joseph, Mo., bond election Oct. 9, $2,180,000.

Roads, Akron, O., Election Nov. 6, $2,140,000.

Library, New York, N. Y., New York Public Library, sketches, $2,000,000.

Apartment, St. Louis, Mo., Local Syndicate, c/o W. J. Abbott, soon takes bids, $2,000,000.

School, Akron, O., election Nov. 6, $2,000,000.

Tunnel, Los Angeles, Calif., plans, $1,565,000.

Beach Tunnel, San Francisco, Calif., City and San Francisco Co., plans, $1,520,000.

Sewers, Detroit, Mich., Wayne Co., plans, $1,250,000.

Apartment, New Work, Ninety-Eight Riverside Drive Corp., plans, $1,150,000.

Hospital, Evergreen Park, Ill., Sisters of Little Company of Mary, sketches, $1,000,000.

Apartment, Detroit, Mich., J. L. Baker, sketches, $1,000,000.

Nurses' Home, Laundry, Etc., Roxbury (sta. Boston) Mass., Children's Hospital, plans, $1,000,000.

Bids Desired

Hotel and Apartment, Wash., D. C., Cafritz Co., bids about Nov. 1, $2,000,000.

Apartment, Chicago, Ill., Oct. 5, by Schmidt, Garden & Erickson, archts., for Huguelet Bros., $1,500,000.

Theatre, New York, N. Y., Highbridge Realty Corp., bids about Oct. 8, $1,250,000.

Bank, Memphis, Tenn., Oct. 1, by Hanker & Cairns, archts. for Bank of Commerce & Trust Co., $1,000,000.

Bids Received

Life Science Building, Berkeley, Calif., University of California, from Dinwiddie Construction Co., San Francisco, $1,234,000.

Contracts Awarded

Subway, Long Island City, N. Y., Bd. of Transportation, J. H. Delaney, Chn., New York, Sect. 1, Route 108, to G. W. T. Construction Co., New York, $6,974,731.

Subway, Brooklyn, N. Y., Bd. of Transportation, J. H. Delaney, Chn., New York, Sect. 5, Route 107 to Necaro Construction Co., New York, $5,612,034.

Apartment, New York, N. Y., Kingsbridge Improvement Corp., S. Kinskoff, Pres., separate contracts, $3,000,000.

Theatre, New York, N. Y., Loew's Enterprises to M. Mason & Son, Brooklyn, $1,800,000.

Office and Store, Chicago, Ill., V. C. Carlson, Evanston, general contract to V. C. C. Construction Co., Evanston, $1,000,000.

Power Plant, St. Louis, Mo., Anheuser-Busch, Inc., 721 Pestalozzi St., general contract supervised by Ophuls & Hill, Inc., New York, $1,000,000.

Warehouse, Cleveland, O., Brandt Co., H. W. Brandt, Pres. to S. W. Emerson Co., $1,000,000.

Apartment, Los Angeles, Calif., N. A. Leech, separate contracts, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Jersey City — Bd. City Comrs., City Hall, mains in Charlotte and Baldwin Aves. $25,500. C. A. Van Keuren, city engr.

N. J., Wanaque—Bd. City Comrs., Firehouse, preliminary plans artesian wells. $26,000. F. Millen, 419 Ramapo Ave., Pompton Lakes, engr.

Okla., Granite—New well, pumping equipment, incl. triplex pump and motor, main extensions. $20,000. Peckham & Riggins, 603½ Hest Main St., Oklahoma City, engrs. Noted June 21.

Bids Desired

Mass., Boston—Oct. 2, by Dpt. P. Wks., waterworks in Whipple Ave., Keith and Winslow Sts., Parkville, West Roxbury and Hutlcroft Rds., Dorchester. $15,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Oct. 5, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Avenues K and S. Flatlands, Hegeman, Vandervoort and Willoughby Aves., 9th, 71st, East 15th, East 27th, East 53rd, East 95th, West 5th, North 14th and Bay 41st Sts.

N. Y., Long Island City—Oct. 2, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Phlox Pl., Tudor and 82nd Rds., Sanborn, 26th and 46th Aves., Cherry, 123rd, 146th, 163rd, 164th, 165th, 170th, 191st and 228th Sts., Queens Boro.

N. Y., New York—Oct. 2, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Grand Concourse, Claremont Park, Eastchester Rd., Kings College Pl., Blackrock, Bolton, Cincinattus, Harding and Independence Aves., Southerland, East 177th, East 211th, 223rd and West 237th Sts.

Pa., Pittsburgh — Taking bids alternate suction intake at Ross Pumping Station to supplement present intake. $50,000. Noted Aug. 2.

Mich., Detroit—Oct. 24, by Bd. Water Comrs., Water Board Bldg., equipment for low lift plant, Springwells St. G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Sept. 27.

Ore., Hood River—Oct. 10, by H. L. Howe, city recdr., 17 mi. water pipe line. $250,000. Stevens & Koon, Spalding Bldg., Portland, engrs.

Bids Received

Calif., Oakland — Directors East Bay Municipal Utility Dist., from Ward Eng. Co., 315 Montgomery St., San Francisco, South Spillway $286,164, Jackson Creek Spillway and Dike $167,481, Pardee Reservoir Outlet Tower and appurtenances. $150,900. Noted Aug. 23.

Contracts Awarded

N. J., Netcong—Mayor and Council, 24 in. gravel filter well at water shed, to Layne New York Co., Inc., 30 Church St., New York, $11,250.

N. J., South Orange — Bd. Village Trustees, Village Hall, multiple unit zeolite water softening plant, to Turbine Equipment Co., 30 Church St., New York, N. Y., $29,681. Noted Aug. 30.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Pa., Phila. — Dpt. P. Wks., Bureau of Water, Contr. 929, to P. and E. J. Ellis, 4th and Wyoming Sts., $184,000; Contr. 938, to J. Bugger, 2124 East Cumberland St., $4,000. Noted Aug. 16.

Pa., Phila.—See "Sewers."

Fla., Miami—City, basin for water plant addition in Hialeah, to Hintz Constr. Co., 2126 Northwest Flagler Terrace, $20,715; tank, to Chicago Bridge & Iron Co., 37 West, Van Buren St., Chicago, Ill., $3,400; well, to Kiser Well Drilling Co., Miami, $1,035. Grand total $25,150. Noted Aug. 30.

O., Portsmouth—Bd. Control, J. Lynn, dir., Serv., 24 in. c.i. main in Gallia St. in East Portsmouth, to Kelly Bros. Constr. Co., Portsmouth, $39,146.

Ill., Northbrook — For 4- to 16-in. c.i. water pipe, to C. M. Porter, 228 North La Salle St., Chicago, $123,231.

Mo., St. Louis—Bd. P. Serv., City Hall, rein.-con. heating tunnel between high pressure engine and filter houses, pipe trench between above tunnel and coagulant house and between coagulation and 2 sludge pump houses, to Missouri Eng. & Contg. Co., Merchants Laclede Bldg. $17,466; iron railing between well and Chain of Rocks Engine House, to Shuck Iron & Fdry. Co., 3145 North 14th St., $745. Noted Aug. 23.

Calif., Murphy — Bret Harte, Sanatorium Hospital Central Com., Courthouse, Stockton, 200,000 gal. rein.-con. tank, to Adams Co., Angels Camp, $9,143. Noted Aug. 30.

Calif., San Diego—Mains in Orange Ave. and other streets, to Miracle Constr. Co., 4751 Monroe St., $26,195.

Sewers

Proposed Work

O., Canton—State Hy. Comn., Columbus and Stark Co. storm water sewer 1,000 ft. north of Massillon-Canton Hy. $25,000-$30,000. A. M. Wise, Canton, engr.

Mich., Detroit — Wayne Co., LeBlanc Drain Extension 4 mi. concrete, rein.-con. covered drain, laterals, in Taylor Twp. $1,250,000. Pate, Bacon & Hamman, Transportation Bldg., engrs. G. A. Dingeman, co. drain comr.

Bids Desired

Mass., Boston—Oct. 1 to 5 (according to sections) by Dpt. P. Wks., sewerage works in Dorchester, Brighton and West Roxbury. To exceed $25,000. J. H. Sullivan, comr.

Mass., Nantucket—Weston & Sampson, engrs., 15 Beacon St., Boston, taking bids sewerage system, incl. pumping station, intercepting sewers. $186,000. Noted July 19.

N. Y., Oneida—Oct. 3, at office Adjutant General, 100 State St., Albany, sewers,

See proposal advertising on page 118

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Specify and use LEADITE —it saves at least 75%

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

water connections at State Armory site; adv. E. N.-R. Sept. 27.

Miss., Meridian—Oct. 2, by Mayor, extending 132,386 ft. 8- to 15-in. sewers, 361 manholes. $200,000. J. C. Watts, Meridian, engr.

La., New Orleans—Nov. 22, by Sewerage & Water Bd., at office A. G. Moffat, secy., 526 Carondelet St., labor, material on percentage basis for waterworks, sewerage, drainage construction during 1929. G. G. Earl, genl. supt.; adv. E. N.-R. Sept. 27.

Ind., Anderson—Oct. 8, by Bd. Wks., 2 mi. sewer, laterals, central pumping station in North Anderson Dist. $310,000. M. H. Downey, engr.

Ind., Gary—Oct. 1, by Bd. Wks., Glen Park Sewer. $240,000.

Mich., Detroit—Nov. 14, by J. W. Reed, Comr. P. Wks., main building, primary switch house discharge channel, 182 ft. 5 ft. 259 ft. 7 ft. and 128 ft. 14 ft. tunnels, 3,959 sq.ft. steel sash, 1,741 cu.yd. gravel fill, 6,288 cu.ft. cut stone in Connors Creek Storm Water Pumping Station, Jefferson and Clairpointe Aves. P. A. Fellows, city engr.

Ill., Chicago—Oct. 2, by City at office Bd. Local Impvts., City Hall, tile sewers, brick manholes, catch basins in 2 alleys, Gordon Terrace, East 72nd and West 53rd Places, East 106th and West 51st Sts., North Avers, Lockwood, Avenue N, Avenue M, South Long, South Lorel, South Latrobe and South Lockwood Aves. M. J. Faherty, pres.

Ill., Jacksonville—Oct. 2, by City, North Side Sewage Disposal and Treatment Plant. $125,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs. Noted Aug. 23.

Tex., Austin—Oct. 4, by A. R. Johnson, city mgr., 10,200 ft. 15- to 48-in. pre-cast rein.-con. sewers in Gaudelupe St. and Harris Park addition, $125,000; 9,350 ft. 15 to 42-in. Comal and Holly Sts. $150,000. H. R. F. Helland, City Hall, engr. Noted Sept. 6.

Okla., Okeene—Oct. 3, by S. Fox, city clk., 34,000 ft. 8- to 12-in. vitr. clay sewers, disposal plant, Imhoff tank. $47,000. E. A. Jones, Enid, engr. Noted Aug. 9.

Contracts Awarded

N. Y., Kenmore—Vitr. storm sewer in Delware, Shepard and Victoria Aves., to W. J. Irwin & Son, Harlem Rd. and Cheektowags Sts., Buffalo, $214,436.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Johnson Ave., to Anita Constr. Co., 440 East 200th St., $2,610; in Laconia Ave., to F. Gabrielle, 2750 Creston Ave., $9,470. Noted Aug. 30.

N. Y., Ossining—Drains in Eastern Ave., to J. DeBernardinis & Co., 155 Croton Ave., $11,115; Ryder Rd., to Wallace & Yazzo, White Plains, $7,902. Noted July 26.

N. J., Belleville (br. Newark)—Bd. Town Council, Town Hall, storm, sanitary sewers in Continental Ave., to J. Abbott, Inc., 19 Claremount Ave., Montclair, $28,315.

N. J., Lavalette — Sewerage system, to L. R. Gilbert, 7 Watchung Ave., Plainfield, $119,958; plumbing plant, to J. Miele Constr. Co., 2261 Milburn Ave., Maplewood; $33,748; treatment plant, to T. Proctor, Long Branch, $74,364. Grand total $228,070.

N. J., Saddle River—Twp. Comn., Lincoln School, Market St. sanitary sewerage system in Roseville Dist., to Midland Constr. & Contg. Co., Rochelle Park, $64,621. Noted Aug. 30.

N. J., Teaneck (br. Hackensack) — Twp. Comn., Municipal Bldg., 39,000 lin.ft. 8- to 12-in. sanitary sewers, Contr. 9A, to Giovannoni Constr. Co., Cedar Lane, Teaneck, $169,820; Contr. 9B, to Arnolt More, Inc., 40 Clinton St., Newark, $12,500.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, branch sewers in Hunting Park Ave. and Lycoming St., to D. Delise, 4842 North Leithgow St., $8,111 and $10,343 respectively; removing buildings, constructing sewers, mains, grading, paving for South Philadelphia Track Elevation, to F. A. Caruso & Son, 804 South 12th St., $172,431. Grand total $190,885.

Md., Baltimore—Bd. Awards, sewers, storm drains in Sewer Dist. J-4 and G-13. Sanitary Contr. 252, to N. Martell, 4400 Vesta Ave., $69,188. Noted Aug. 30.

Md., Baltimore—Bd. Awards, storm water drains in Sewer Dist. P-3, Storm Water Contr. 120, to P. Marocco, 3700 Forest Park Axe., $60,514; Sewer Dist. P-4, Storm Water Contr. 122, to F. Angelozzi, Hamilton Ave. and Valley Rd., $6,609. Noted Sept. 6.

O., Akron—F. E. Swineford, dir. Pub. Serv., 1,642 ft. segmental block sewer in Adams St. and Right-of-Way, and 5,760 ft. in Van Everett Ave. et al., to Shullo & DeLuca Constr. Co., 140 North Summit St., $19,693 and $24,497 respectively. Est. $26,700 and $43,000 respectively. Noted Aug. 9.

O., Columbus—W. H. Duffy, dir. Serv., 3,062 ft. 66 and 72 in. monolithic and 4,740 ft. 30- to 60-in. rein.-con. sewer in Northwood Ave., to C. & G. Constr. Co., 1381 Essex St., $91,168. Noted Aug. 23.

Mich., Dearborn—For 12,845 ft. 12- to 30-in. concrete or vitr. sewer in Sewer Dist. 27, to J. Rossi, 17501 Outer Dr., Detroit, $29,280; 11,856 ft. 12- to 36-in. in Sewer Dist. 28, to F. Early, Dearborn, $29,270.

Mich., Detroit — Dpt. P. Wks., River Rouge Interceptor E., Sect. 4, and Pembroke Ave. Arm West of Hubbell Ave., to T. D. Nolan, 14101 Plymouth Ave., $113,695 and $44,893 respectively; River Rouge Interceptor, Sect. 7 E, to County Constr. Co., Transportation Bldg., $90,488; Sylvester Arm West of Fischer, to J. Rossi, 17501 Outer Dr., $128,426; Fischer Ave. Storm Sewer, Sect. 2, to J. A. Mercier Co., 616 Hammond Bldg., $292,146; Paul Ave. Arm West of Southfield Ave., to Detroit Drainage Constr. Co., 8725 Agnes Ave., $108,540; Junction Cavalry Storm Sewer, Sect. 3, to Dpt. P. Wks., City Hall, $427,840. Grand total $1,206,028.

Mo., St. Louis—See "Streets and Roads."

Okla., Tulsa—For 22,140 ft. 8- to 12-in. vitr. clay sewers in Avondale, Glen Acres and Porter Sts., to Roach & Wood, Nebraska Bldg., $40,417. Est. $45,000.

Calif., Maywood—Vitr. sewers in Western Sect., to Gogo & Rados, 3274 Descanso Dr., Los Angeles, $147,698. Noted Aug. 16.

Waste Disposal

Bids Desired

N. Y., Brooklyn—Oct. 8, by Brooklyn Ash Removal Co., at office Dpt. Street Cleaning, Municipal Bldg., New York, complete incinerator plant, incl. timber dock, bulkheads, concrete foundations, buildings, superstructure, Newtown Creek at Apollo St. E. L. Collins, engr. Noted Sept. 20.

Pa., Coraopolis—Oct. 1, at office Boro Clerk, Municipal Bldg., brick, concrete, steel incinerator plant, 35 tons daily capacity. W. E. Cain, secy.

Bridges

Proposed Work

Ind., Madison—Natl. Toll Bridge Co., c/o J. G. White & Co., 37 Wall St., New York, soon takes bids steel for concrete, steel bridge over Ohio River. Total $2,500,000. Piers and abutments for above awarded to Vang Constr. Co., 18 Sycamore St., Pittsburgh, Pa., $500,000. Noted May 10.

Minn., Stillwater—See "Unclassified."

Okla., Martha—Jackson Co. rejected bids Sept. 10, 22 span 380 ft. pile trestle bridge. $35,000. W. M. Ingram, Altus, engr. Noted Sept. 6.

Oklahoma—State Hy. Dept., Oklahoma City, preliminary plans 3 steel truss bridges on piers, one 1 span 160 ft. over Washita River near Washita, Caddo Co. $60,000, one 1 span 140 ft. over Knight Creek near Weatherford, Custer Co. $40,000, other 1 span 145 ft. over Little River near Haworth, McCurtain Co., $35,000—4 rein.-con. bridges, one 5 span 88 ft. over Black Fork Creek near Heavener, La Flore Co., $35,000, one 6 span 102 ft. over Deep Fork Creek near Luther, Oklahoma Co. $32,000, one 4 span 80 ft. over Lightening Creek near Pawhuska, Osage Co. $25,000, and other 4 span 66 ft. over Gans Creek near Muldrow, Sequoyah Co. $25,000. C. R. Mandigo, hy. engr.

Bids Desired

Vt., Stockbridge—Sept. 28, by State Hy. Dpt., Montpelier, rein.-con. bridge, approaches. $25,000 or more. S. B. Bates, State House, Montpelier, comr.

Mass., Easthampton—Oct. 2, by Dpt. P. Wks., Boston, 230 ft. steel bridge with bituminous macadam approaches. W. F. Williams, comr.

Mass., Salem—Sept. 28, by Comrs. Essex Co., Court House, reconstructing 30 x 125 ft. concrete, steel drawspan bridge over Danvers River, between Salem and Beverly. $25,000.

N. Y., Johnstown—Oct. 15, by A. Wands, city clk., City Hall, 33-41 East Main St., reconstructing bridge over Cayadutta Creek, on West Main St.; adv. E. N.-R. Sept. 27.

N. Y., New York—Oct. 4, by A. Goldman, comr. Plant & Structures, Municipal Bldg., reinforcing, reconstructing Kisco River Bridge, over Kisco River.

Delaware—Oct. 16, by State Hy. Dpt., Dover, substructure Newport Bridge; Contr. 103, 13,000 lin.ft. removable snow fence, 900 steel posts, Contr. P; adv. E. N.-R. Sept. 27.

Indiana—Oct. 2, by J. D. Williams, dir. State Hy. Comn., Indianapolis, bridges in Lake, Porter, Wabash, Kosciusko, Wayne, Randolph, Adams, Laporte, Monroe, Warrick, Delaware and Jay Counties.

Iowa—Oct. 2, by State Hy. Comn., Ames, 90 x 20 ft. pony truss bridge with two 40 x 20 ft. I-beam approaches on Road 59, F.A.B. 35, Chickasaw Co.—150 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approaches, Road 65, B-99, Warren Co.—130 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approaches, Road 2, B-568 Warren Co.—3 culverts Road 32, B-297 Pottawattamie Co.—5 culverts Road 2, B-602 Washington Co. R. F. White, hy. comr.

California—Oct. 10, by State Hy. Comn., Sacramento, three 43 ft. concrete girder span bridge over Ash Creek—double 6 x 8 ft. concrete box culvert with concrete head and wing walls, over Dry Creek—two 24 ft. concrete deck girder spans on concrete bent over Butts Creek, Modoc Co.—two 30 ft. and one 50 ft. rein.-con. bridge on concrete bent over Sullivan Creek, 2 mi. east of Sonora, Tuolumne Co. C. H. Purcell, Sacramento, hy. engr.

Bids Received

R. I., Pawtucket — City, Eng. Dpt., City Hall, 210 ft. rein.-con., granite bridge, Exchange Pl., from J. J. McHale & Sons, 84 Ferris St., Pawtucket, Rhode Island granite $217,814; from Cruise Constr. Co., 19 Dexter St., Massachusetts granite $194,-142. Noted Sept. 13.

Contracts Awarded

Vermont — State Hy. Dpt., Montpelier, bridges in Jamaica, to M. J. Burrington, Bennington, $45,389 — Castleton, to G. Badger, Bristol, $9,380—Poultney, to H. Knight, South Royalton, $23,022. Grand total $77,791.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, 6th St. and Allegheny Bridge over Richmond Branch Reading Co., to Horridge, Elcock & Hall, Real Estate Trust Bldg., $116,008.

O., Cleveland — Concrete substructure bridge, West 117th St., to Great Lakes Constr. Co., 1808 Harvard Ave., $241,000. Noted Aug. 23.

Ind., Madison—See "Proposed Work."

Michigan — Berrien Co. Rd. Office, St. Joseph, R. Bridge 1 of 11-13-25, C-1 and 2, Berrien Co., for State Hy. Dpt., Lansing. Contr. 1, to Massillon Bridge Co., Massillon O., $6,584; Contr. 2, to J. C. Marshall, Benton Harbor, $34,030. Noted Aug. 16.

Michigan—C. L. Cowgill, resident engr., Plymouth, Bridge 1 of 80-9-8, two 55 ft. spans, Contr. 2, to Massillon Bridge Co., Massillon, O., $6,368; Contr. 3, to Townsend & Daily Co., Ypsilanti, $36,351, for State Hy. Dpt., Lansing. Noted Aug. 23.

Mich., Lansing—City Clerk, 3 span 227 ft. rein.-con., steel bridge, 52 ft. over railroad tracks, on Logan St., to Folwell Eng. Co., 323 North Michigan Ave., Chicago, Ill., $279,940. Noted Aug. 9.

Utah—See "Streets and Roads."

Washington—State Hy. Comn., Olympia, 162 ft. riveted thru truss bridge (using old foundation and approaches), over Coweeman River, to J. J. Badraun, 681 East 42nd St. N., Portland, Ore., $25,236, and 425 ft. riveted thru truss span bridge over Kalama River, to Gilpin Constr. Co., foot 14th St., Astoria, Ore., $76,004; both on State Rd. 1, Cowlitz Co. Noted Aug. 23.

Ore., Portland—Constructing Vancouver Avenue Viaduct, to Sadler & Arnz, Portland, $100,280. Est. $98,381.

Ont., Arnprior—T. H. Grant, town clk., 500 ft. beam and girder concrete and rein.-con. bridge and dam over Madawaska River, to Grant Bros. Constr. Co., Ottawa, $86,989. Noted Sept. 6.

Dams

Proposed Work

W. Va., Charleston — New Kanawha Power Co., Glen Ferris, (subsidiary of Union Carbide & Carbon Co., 30 East 42nd St., New York), made application to West Virginia Pub. Serv. Comn., for authority to build 2 dams, 2 tunnels, 2 hydro-electric plants developing 50,000 hp. near Hawks Nest and Cauley Junction.

Ia., Cedar Rapids—Central States Electric Co., c/o J. A. Reed, genl. mgr., rein.-con. power dam to have 22 ft. head, across Des Moines River at Kalo in Memorial Park.

Contracts Awarded

Ont., Arnprior—See "Bridges."

Constr. News page 168

INDEPENDENT

Concrete Sewer Pipe

THREE Reasons Why It Saves Money

The USE of INDEPENDENT Concrete Pipe is an important factor in reducing sewer construction costs—for three reasons:

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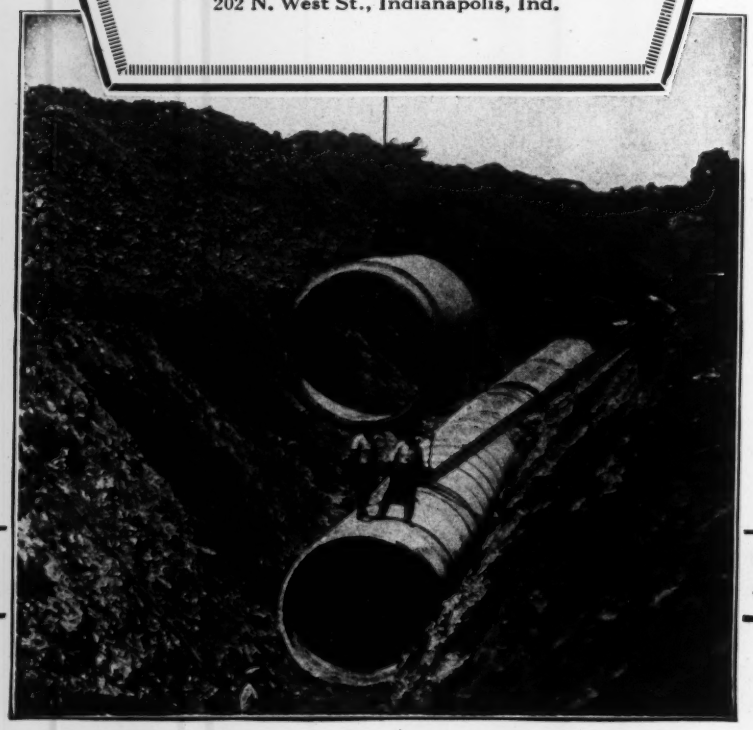

INDEPENDENT CONCRETE PIPE

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Railways

Contracts Awarded

New York—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Long Island City, relocating tracks Jamaica Central Railways, to A. A. Johnson Corp., West Ave., Long Island City, $21,675. Noted Aug. 30.

Florida—Florida East Coast Ry., L. C. Frohman, principal asst. engr., St. Augustine, 10 mi. branch line from Belleglade-Chosen to west bank Miami Canal, to Cornell-Young Co., Macon, Ga. Noted Aug. 23.

Oklahoma — Rock Island & Pacific Ry. Co., La Salle St. Sta., Chcago, Ill., C. A. Morse, ch. engr., 7,000 lin.ft. track yard at Ponca City. $35,000. Owner builds. This corrects report of Sept. 20 issue.

(Correction) All railway reports published in Sept. 20, issue under proposed work are contracts.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Okla., Sayre—Preliminary plans 2 mi. river bank revetment, incl. steel jetties, along Red River. $40,000. R. M. Higgins, Sayre, engr.

Bids Desired

O., Lakewood (br. Cleveland)—Sept. 28, by City, breakwater along Lake Erie in Lakewood Park, 20,000 tons rip rap stone. $70,000. E. A. Fisher, City Hall, engr.

Mich., Detroit — Oct. 10, by Bd. Water Comrs., Water Board Bldg., excavation, embankment for power structures at Springwells Station, West Warren Ave. and Detroit Toledo R.R., Fordson. G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Sept. 27.

Illinois — Oct. 4, at office Clerk Champaign Co., Urbana, enlarging 10,540 ft. open ditch, incl. 9,080 cu.yd. excav. in Lotus Special D. D., Sub-Dist. 8, Champaign, Piatt and McLean Counties.

Illinois—Oct. 8, at office A. W. Hartley, clk. Menard Co., Petersburg, and Comrs. Salt Creek Special Drainage Dist., Menard and Mason Counties, 12 mi. main open ditch, incl. 820,000 cu.yd. excav., also clearing 146 acres right-of-way. Goodell & Millard, Beardstown, engrs.

Calif., Chico—State Building Comn., Sacramento, taking bids 4,000 cu.yd. excav., driving 9,000 lin.ft. 14 in. concrete piling for State Teachers College Administration Building. $35,000. G. B. McDougal, Sacramento, state archt. Noted July 19 under "Buildings—Educational, Religious."

Que., Matane—Oct. 5, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing, improving West Breakwater. $30,000.

Contracts Awarded

N. J., Newark — Bd. Comrs., Dpt. P. Affairs, City Hall, dredging channel, Port Newark, to Atlantic, Gulf & Pacific Co., 13 Park Row, New York, $621,000.

Ark., Pine Bluff—Sub. Dist. 1 of Bradley Slough D.D., c/o Coleman & Gantt, attys., clearing 40 acres, 116,000 cu.yd. excav., and 360 ft. 12- to 36-in. vitr. clay pipe, to Kotchtitzky Bros., England, $19,551. Noted Aug. 16.

Calif., El Centro — Imperial Irrigation Dist., open ditch. Est. $80,000. Owner builds. M. J. Dowd, c/o owner, ch. engr.

Calif., Santa Paula—For 135,500 cu.yd. excav., 6,000 sq.ft. wire and rock mattress, to Gabler Constr. Co., 158 South Catalina St., Los Angeles, $27,623.

Calif., Westley—E. Smith, secy. West Stanislaus Irrigation Dist., 5 rein.-con. pumphouses, to C. N. Swenson, Santa Clara and 6th Sts., San Jose, $25,605; 100 tons ¼ in., 22.5 tons ⅜ in., 31.5 tons ½ in., 25 tons ⅝ in., 31.5 tons ¾ in. and 10 tons ⅞ in. reinforcing steel square deformed bars to Pacific Coast Steel Co., 111 Sutter St., San Francisco, $10,771; 3,750 cu.yd. sand; 2,250 cu.yd. ¼ to ½ in. and 5,100 cu.yd. ¼ to 1 in. gravel, to California Rock Co., 728 Mills Bldg., San Francisco, $15,940. Grand total $52,316.

Quebec — S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging St. Antonie de Tilly and Trinity Bay, to Natl. Dock & Dredging Co., Ltd., 23 de Verennes St., Quebec, $31,000 and $40,000 respectively; dredging Sorel, to Les Chautiers Manseau, Sorel, $78,000. Grand total $149,000. Noted July 12.

Streets and Roads

Bids Desired

Maine—Oct. 4, by State Hy. Comn., Augusta **(F. A. P. means Federal Aid Project)**, graveling 2.27 mi. F. A. P. 94-D, Bethel—0.75 mi. F. A. P. 107-C, Island Falls—1.65 mi. F. A. P. 119-A, Phillips—3.59 mi. F. A. P. 122-A, New Sharon. L. D. Barrows, ch. engr.

Massachusetts—Oct. 2, by Dpt. P. Wks., State House, Boston, graveling, oiling 1,700 ft. hy. in Brimfield; widening, bituminous macadam paving 12,100 ft. hy. in Lynn and Salem. W. F. Williams, comr.

Mass., Boston—Oct. 1, by Dpt. P. Wks., sheet asphalt or bitulithic paving Wards 2, 20 and 22. $25,000. J. H. Sullivan, comr.

Mass., Boston—Oct. 2, by Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt or bitulithic paving Bateswell Ave. $25,000.

Mass., Easthampton—See "Bridges."

New York—Oct. 1, at office F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. paving 1.85 mi. North St., County Rd. 73, 33 ft., in Harrison and Rye. C. MacDonald, co. engr.; adv. E. N.-R. Sept. 27.

N. Y., Brooklyn—Oct. 3, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Avenue L and East 92nd St.—sheet asphalt on concrete paving various streets damaged by subsurface, railroad or other work, Division Pl., Lot Ave. from Rockaway to Thatford Aves., Lott Ave. from Stone to Christopher Aves., Marcy and Hopkinson Aves., East 2nd, Hoyt, Leonard, McDonough, South 1st, West 10th, West 33rd and 2nd Sts.

N. Y., Long Island City—Oct. 4, by B. M. Patten, comr. Queens Boro, Queens Subway Bldg., grading, sidewalks on Bridge Plaza North to Bridge Plaza South, 58th, 50th (Fitting) 3rd Sts.—sheet asphalt on concrete paving 63rd Dr., Roosevelt Ave., Queens and Rockaway Blvds., 97th, Barn and Bleeker Sts.—granite block on concrete paving 22nd (Sunswick) St.—bulkheads in Beach 68th St.

N. Y., Ray Brook—Oct. 9, by Executive Dpt. Div. Standards & Purchase, Capitol, Albany, sidewalks at New York State Hospital for Treatment of Pulmonary Tuberculosis; adv. E. N.-R. Sept. 27.

N. Y., West Haverstraw — Oct. 15, at Executive Dpt., Div. Standards & Purchase, Capitol, Albany, grading at New York State Orthopedic Hospital for Children; adv. E. N.-R. Sept. 27.

N. J., Long Branch—Oct. 2, by Bd. City Comrs., City Hall, reconstructing Cedar Ave. from Westwood to Ocean Aves. O. R. Seaman, city engr.; adv. E. N.-R. Sept. 27.

N. J., Woodbridge—Oct. 4, by Bd. Freeholders Middlesex Co., Court House, New Brunswick, improving 5,220 lin.ft. Turnpike Rd. W. F. Buchanan, 175 Smith St., Perth Amboy, engr.

Pa., Phila. — Oct. 2, by Dpt. P. Wks., Bureau of Highways, grading, paving, redressed granite paving streets, improving country roads.

Pa., Pittsburgh — Oct. 10, by Comrs. Allegheny Co., widening, asphaltic concrete on concrete paving 1,900 ft. Washington Rd., Mt. Lebanon Twp., 40 ft. $50,000. Dpt. P. Wks., 519 Smithfield St., engrs.

North Carolina — Oct. 2, by State Hy. Comn., Raleigh, grading, paving 48 mi. 7 projects in Harnett, Almanac, Perquimans, Currituck, Balden, Pitt and Davie Counties. L. R. Ames, Raleigh, engr.

Miss., Canton—Oct. 2, by Bd. Supervs. Madison Co., grading, culverts, bridges on 15.638 mi. Federal Aid Project 79-B. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Miss., Columbia—Oct. 5, by Bd. Supervs. Marion Co., grading, graveling, culverts, bridges 9.801 mi. Federal Aid Project 202-A. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

Tenn., Chattanooga — Oct. 1, by R. H. Crox, comr. Dpt. Streets & Roads, grading, curbing, guttering, 8 in. concrete paving 19,648 sq.yd. Dodson Ave. and East 3rd St. $60,000. W. H. Wilson, city engr.

La., Rayville—Oct. 3, by City Clerk, concrete paving 52,000 sq.yd. $272,000. M. L. Culley, 616 Lampton Bldg., Jackson, Miss., engr. Noted Aug. 16.

O., Columbus—Oct. 2, by W. H. Duffy, dir. Service, grading, curbing, paving Broderick, Gault and Mansfield Sts., Westwood and Blake Aves., brick $81,312, asphalt $72,547. Noted Aug. 20.

Ind., Ft. Wayne—Oct. 3, by Comrs. Allen Co., grading, paving Duglay Rd. $186,000. Noted Sept. 20.

Ind., Vevay—Oct. 1, by Comrs. Switzerland Co., constructing Harry O. Tapp et al., Co. Unit Rd. $39,270.

Michigan—Oct. 2, (extended date), at office, City Clerk, Saginaw, widening, concrete paving 2.757 mi. MO73-6, C-1, 20 ft., Saginaw Co., for State Hy. Dpt., Lansing. Noted Sept. 13.

Michigan—Oct. 4, (extended date), by R. A. Beers, resident engr., Kalamazoo, concrete or asphalt paving 3.632 mi. MO11-28, Contr. 1, 40 ft., Berrien Co., for State Hy. Dpt., Lansing.

Michigan—Oct. 18, by R. A. Beers, resident engr., Kalamazoo, concrete paving 2.013 mi. MO8-18, Contr. 3, 20 ft., Barry Co., for State Hy. Dpt., Lansing.

Ill., Chicago—Oct. 2, by City at office Bd. Local Impvts., City Hall, grading, 7 in. concrete paving 2 alleys—grading, curbing, guttering, 8 in. concrete paving North Central Park Ave.—grading, curbing, guttering, asphalt on 6 and 8 in. concrete paving West 99th, 100th, 101st, 102nd Places, Palmer, 50th, West 99th, 100th, 101st and 102nd Sts., Kimball, Lockwood, Belden, Castello, Newcastle, North New England, North Nordica, North Neva and Princeton Aves. M. J. Faherty, pres.

Wisconsin—Oct. 2, by State and Sauk Co. Hy. Comns., Madison, grading 68,500 cu.yd. S. T. H. 13 and 23, Federal Aid Project 418-B. A. L. Hambrecht, div. engr.

Iowa—Oct. 2, by State Hy. Comn., Ames, grading, paving 10.33 mi. Road 59, P-601 Chickasaw Co.—5.427 mi. Road 98, P-326 Wapello Co.—13.252 mi. Road 61, P-461 Muscatine Co.—grading 0.947 mi. Road 73, P-129-A, Iowa Co.—0.991 mi. Road 32, P-583 Pottawattamie Co.—0.625 mi. Road 20, P-254-B, Hamilton Co.—10.651 mi. Road 2, P-568 Warren Co.—graveling 7.2 mi. Road 96, F-176 Tama Co.—1.86 mi. Road 77, P-128-B, Keokuk Co.—14.1 mi. Road 14, P-531 Marion Co.—10 mi. Road 55, P-439 Clayton Co.—7 mi. Road 10, P-69, O'Brien Co.—8.3 mi. Road 113, F-249-A, Delaware Co.—6.81 mi. Road 59, F-257 and 0.37 mi. Road 30, F-276 Tama Co.—6.12 mi. P-443 Linn Co.—25.02 mi. Road 11, P-488 Linn Co. R. F. White, hy. comr.

Tex., Dallas—Oct. 8, by C. E. Gross, aud. Dallas Co., Court House, grading Buckner Memorial Blvd.—paving East Grand Ave. —Barnes Bridge Rd.—Forney Ave.—constructing West Jefferson Extension Rd. $150,000. Rollins & Clinger, Court House, engrs.

Okla., Maud—Oct. 2, by F. Fowler, city clk., grading, concrete paving 20,900 sq. yd. King Ave. $71,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City—Oct. 2, by J. W. Berry, clk. Oklahoma Co., grading 6 mi. Sect. 4 Jones Rd., 30 ft. $25,000—10 mi. Sect. 10 East Avenue G Rd., 30 ft., $25,000 —graveling 4 mi. Sect. 25, Spencer Rd., 20 ft., $25,000—4 mi. Sect. 16, May Avenue Rd., 20 ft., $25,000—3 mi. Sect. 10 East G Avenue Rd., 20 ft. $25,000. R. S. James, Court House, engr.

Arizona — Oct. 8, by State Hy. Comn., Phoenix, constructing Phoenix-Yuma Hy., Federal Aid Project 71 (reopened). W. C. Lefebvre, state hy. engr.

Washington—Oct. 9, by State Hy. Comn., Olympia **(S.R. means State Road)**, grading 187,990 cu.yd. S.R. 22, Stevens Co.—95,270 cu.yd. S.R. 5, Federal Aid Project 162-A, Lewis Co.—grading 71,780 cu.yd., graveling 1,020 cu.yd. S.R. 8, Skamania Co.—grading 99,190 cu.yd., crushed graveling 14,370 cu.yd. S.R. 2, King Co. S. J. Humes, state hy. engr.

Wash., Auburn—Oct. 10, by City Council, grading, 19,000 sq.ft. sidewalks on Main St. W. H. Fallgren, Auburn, engr.

California—Oct. 10, by State Hy. Comn., Sacramento, grading, oil treated gravel or stone surfacing 1.2 mi. Yolo Co.—grading, concrete paving 6 mi. Placer Co. C. H. Purcell, Pub. Wks. Bldg., Sacramento, hy. engr.

Calif., Beverly Hills—R. G. Martin, 1431 Santa Monica Blvd., taking bids curbing, sidewalks, sewers, street lighting system on Beverly Blvd. Sq., for R. A. Dallugge. To exceed $75,000.

Calif., Burbank—Oct. 9, by City Council, grading, curbing, asphaltic concrete paving 2 mi. Burbank Blvd. between Lake St. and west city limits. T. R. Mini, city engr. Noted Aug. 23.

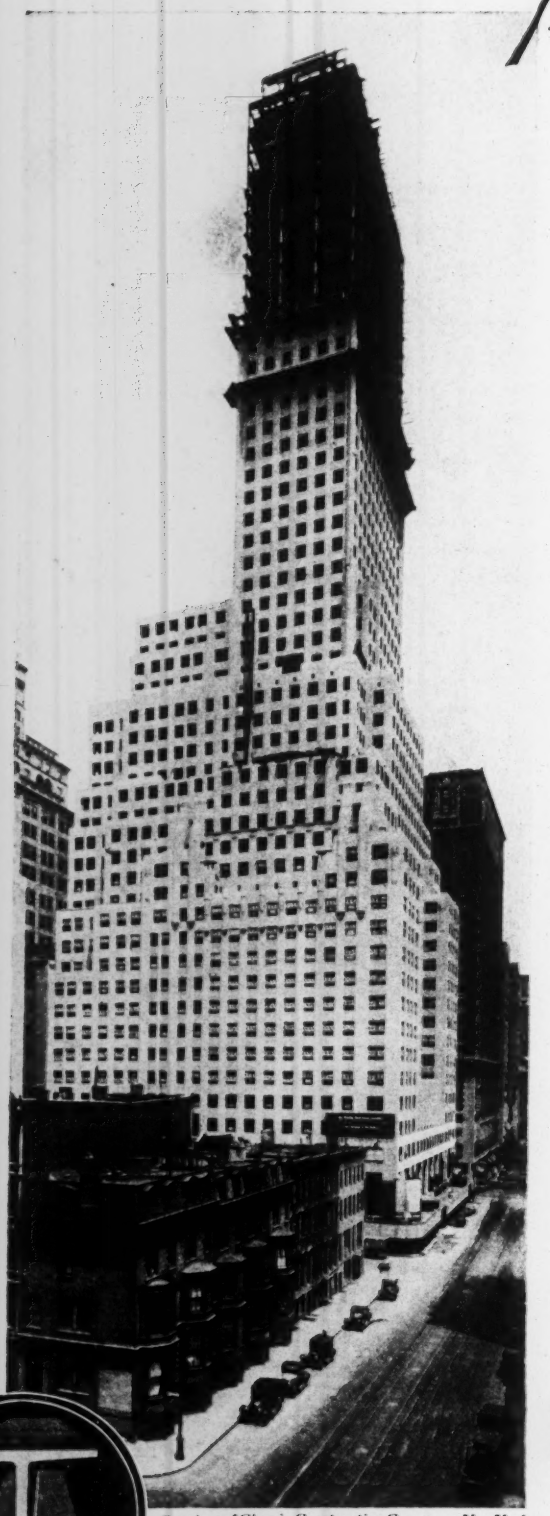
Calif., Los Angeles—Oct. 8, by Supervs. Los Angeles Co. grading 7- to 10-in. concrete paving 275,952 sq.ft. Anaheim-Telegraph Rd.

Contracts Awarded

New Hampshire—State Hy. Dpt., Concord **(e.e. means engrs. est.)**, 6 in. rein.-con. on 3 in. gravel surfacing 1.588 mi. hy. in Salem, to W. F. Duffee, Haverhill, Mass., $45,-

Constr. News page 169

The Chanin Building, *New York*



Courtesy of Chanin Construction Company, New York.

The Chanin Building has 56 stories and is 702 feet in height. 15,000 tons of Bethlehem Sections were used in the steel framework.

The new Chanin Building is an impressive example of the tower office building. Like many other large buildings in cities of the United States, the Chanin Building has a steel framework constructed entirely of Bethlehem Wide-Flange Structural Shapes.

Bethlehem Wide-Flange Shapes—commonly known as Bethlehem Sections—are rolled on this Company's patented Grey Mills at Bethlehem, Pa., and Lackawanna, N. Y. When Bethlehem Sections were introduced, years ago, their economy in weight and in cost of fabrication was immediately recognized. Engineers, architects and contractors have extensively adopted these sections. They have been used in many prominent structures, not only in the United States but throughout the world.

33-inch and 36-inch Sections

Until recently the largest Bethlehem Section rolled had a depth of 30 inches. Today, however, this Company is rolling 33- and 36-inch Sections, extending the range of application of Bethlehem Wide-Flange Shapes and making it possible to more fully utilize their advantages and economies. These new deep Sections are having especially wide application in railway and highway bridges, as well as in building construction.

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BETHLEHEM
Wide-Flange STRUCTURAL SHAPES

Streets and Roads (Continued)

135 e.e. $60,000—6 in. one course rein.-con. on 6 in. gravel surfacing 3.2 mi. Franklin, to C. Bianchi, Framingham, Mass., $90,-415 e.e. $125,000—3 in. on 6 in. gravel surfacing 0.76 mi. Chesterfield, to Lincoln & Belding, Marlboro, Mass., $17,531 e.e. $28,000. Grand total $153,081.

Mass., Boston — Sheet asphalt or bitulithic paving Emmonsdale Rd., Ward 20, to M. DeMatteo, 14 Rowe Pl., Roslindale. Est. $25,000.

Mass., Boston—Dpt. P. Wks., sheet asphalt or bitulithic paving Brookdale Rd., to A. G. Tomasello & Son, Inc., 250 Stuart St., $23,669. Est. $25,000.

Mass., Boston—Dpt. P. Wks., sheet asphalt paving Barnes Ave., to A. G. Tomasello & Son, 250 Stuart St., $52,090.

Conn., Bridgeport—Bituminous macadam paving Union Ave., 4th and Seeley Sts., to Warren Bros. Co., 62 Cannon St. Est. exceeds $25,000.

N. Y., Albany—Bd. Contr. & Supply, City Hall, to M. F. Dollard, 36 State St., paving Van Woert St., $74,238; improving Bonheim St., $11,608; Harvard Ave. $10,862—to E. V. Carey, 76 Walter St., Center St. $10,054—to E. B. Stevenson, 443 Bway., Woodlawn Ave., $50,988; View Ave., $20,-123; Leighton St., $9,376; repaving Columbia St. $28,783—or Campion Constr. Co., 21 Cuyler Ave., sewer in Clayton Pl., $5,439; in Southern Blvd. $932—to V. DiGuilo, 80 Madison Ave., under south side Fairview Ave. $946. Grand total $233,440.

N. Y., Buffalo—G. Fisk, comr. P. Wks., Municipal Bldg., to Brayer Bros., 1515 William St., grading, sheet asphalt on 8 in. concrete paving Seneca St. from Babcock St. to Erie R.R. Subway, $13,579; Seneca St. from Main to Michigan Sts. $14,819; Seneca St. from Michigan to Spring Sts. $29,030; Williams St. $34,297; Virgil St. $10,162—Rock Asphalt Constr. Co., Morgan Bldg., Parkside Ave. $32,229—to H. P. Burgard, 1968 Fillmore Ave., Kerns Ave. $15,618; Main St. $16,880. Grand total $166,614.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading Foch Blvd., to Flushing Contg. & Eng. Co., 66 Wyoming Ave., Flushing, $52,-553—46th St., to Slattery Contg. Co., 10 East 43rd St., New York, $6,436—sidewalks on Laurel Hill Blvd., to Welsh Bros. Contg. Co., 32 Queens St., Astoria, $280—sheet asphalt on concrete paving road area, to W. P. McDonald Constr. Co., Lawrence St., Flushing, $115,222—DeBoe Pl., to Boro Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $7,050. Grand total $181,541. Noted Aug. 30.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to C. D. Beckwith Constr. Co., Seneca Ave. and Edgewater Rd., sheet asphalt on concrete paving Corlear Ave. $8,839; Mace Ave. $6,423; to Asphalt Constr. Co., 2197 Madison Ave., East 156th St. $15,416; Barnes Ave. $12,755; Southern Blvd. $34,108; Radcliffe Ave. $10,836; to Bronx Asphalt Co., Underhill Ave. $8,659; East 205th St. $10,205; to L. DeMinna, 2366 Lorillard Ave., grading Croes Ave. $9,488; Purdy St. $14,845; to Hauschild Constr. Corp., 51 East 42nd St., Wilder Ave. $10,629; to M. Del Balso, 2551 Cruger Ave., Croes Ave. $5,802. Grand total $148,005. Noted Aug. 30.

N. J., East Orange — Bd. City Council, City Hall, sheet asphalt on Telford paving Bedford St., to Loprete Asphalt Co., 423 Amherst St., $30,510. Noted Sept. 6.

N. J., Jersey City—Bd. City Comrs., City Hall, sheet asphalt paving Green and Hudson Sts., to Lettiere & Bellezza, 921 Bergen Ave., 100% est. $25,000.

N. J., Lyndhurst (br. Rutherford)—Bd. Town Comrs., Town Hall, grading, 6 in. bituminous macadam paving Lafayette Pl., Kingsland Ave. and 2nd St., to A. Weyersberg, 634 Valleybrook Ave., $26,525.

N. J., Newark — Bd. City Comrs., City Hall, grading, Grand Ave., University Pl., paving Orange, Oak and Hudson Sts., to Standard Bitulithic Co., foot Brill St., $32,224.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, sheet asphalt on concrete paving Hoyer St., to Clinton Asphalt Co., 308 16th St., Union City, $17,133; Virginia Ave., to R. Mazzoni, 566 9th St., West New York, $12,104. Noted Sept. 6.

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to R. B. Wenner, 2819 Gordon St., grading Aramingo St. $4,320, Markland and Maywood Sts. $798—to J. Ciccone, 5732 Westminster St., Cayuga, Courtland, H, Louden, Penhurst, Shelburne and Weymouth Sts. $32,832—to Frank Mark Contg. Co., Castor and Winghocking Sts., Frontenac and Loretto Sts. $2,684—to Morrissey Bros., 4336 North Marshall St., Kemble St. $778—to Mazzola & Marano, 739 South 7th St., improving Bartram and 78th Sts. $14,009; Brewster St. $2,704; Buist, Este and Dicks Sts. $15,070; Emerson, Hoffnagle, Loretto, Ripley and Stanwood Sts. $17,136; Erwig and Laycock Sts. $10,764; Grovers and Guyer Sts. $8,442; Holstein and Lisser Sts. $4,191; Lindbergh and 78th Sts. $3,210; Madison St. $11,742; 75th and 76th Sts. $4,163; 87th St. $1,740—to Wilson-Martin, Inc., 1501 North 2nd St., Borbeck and Hartel Sts. $13,287; Fuller St. $3,655—to Acchione Contg. Co., 1617 McKean St., Frontenac and Lansing Sts. $20,-760—to Curtis Bros., 6640 State Rd., Glenview and Palmetto Sts. $8,977; Lardner, Oakley and Palmetto Sts. $10,283— to Fish-Rutherford, Inc., 4058 Chestnut St., Knorr St. $7,958; 63rd St. $16,323—to F. A. Caruso & Son, 804 South 12th St., Wellington St. $8,443. Grand total $253,069.

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to Duffin Bros., Penn and Womrath Sts., grading Battersby and Saskett Sts. $6,452; Belgrade, Edgemont, Martha, Memphia, Pickwick and Silver Sts. $2,702; Comly St. $2,738; Edison St. $7,527; Sackett, Hawthorne and Magee Aves. $6,602—to J. F. Molloy, 15 East Mermaid Lane, Broad St. $1,266; Thorps Lane $1,506—to Morrissey Bros., 4336 North Marshall St., Camac St. $774; Connell, Durham, Forrest, Greenwood, Gorgas, Mayland, Mohican, Mt. Pleasant, Nolan and Pickering Sts. $19,186; 6th St. $2,690—to J. Herzog, 4314 Old York Rd., Temple Rd., Connell, Durham, Fayette, Mohican, Pennfield, Rugby, Williams and Lowber Sts. $26,863; Tabor Rd. $8,813—to R. B. Wenner, 2819 West Gordon St., Ditman St. $13,191—to T. L. Flannagan, 531 East Girard St., Duffield St. $637—to T. P. Lee, 5629 Cherry St., Edgemore and Kenmore Rds. $2,183—to E. A. Mullen, Inc., 5512 Vine St., Woodcrest St. $1,044—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., paving (assessment work) Bridge St. $6,260; Bristol St. $10,459; Chew St. $13,923; Large St. $6,893; Louden St. $5,782; Pickering St. $17,459—to Barber Asphalt Co., Hunting Park Ave., Graham, Redfield and Salford Sts. $12,-975; Haverford St. $37,986; Tulip and Memphis Sts. $15,947; Ontalauna St. $16,-999; Opal St. $6,683; Overbrook St. $9,442; Oxford St. $10,269; Rowland St. $41,268; Ruby St. $3,968; Tulip St. $9,766; Vankirk St. $5,487; 58th St. $7,877; 66th St. $18,348—to Municipal Constr. Co., Washington Sq. Bldg., Kenwyn St. $4,684; Lawrence St. $2,696; McKean, Snyder, 26th and 27th Sts. $56,861, asphalt repaving Montrose and Webster Sts. $3,180; Tryon St. $2,387—to Eastern Asphalt Co., Penna Bldg., paving (assessment work) Luzerne St. $32,890; Upland Way $16,810; asphalt repaving Pennsylvania Ave. $92,-498—to Wilson-Martin, Inc., 151 North 2nd St., improving Aldine Rd. $3,178; Viasta Rd. $5,606—to Curtis Bros., 6640 State Rd., Alicia Rd. $3,154; Burholme Rd. $6,703; Chandler Rd. $2,881; Devereaux and Shelborne Rds. $7,196; Ferndale and Fuller Rds. $6,078; Northumberland Rd. $4,876; Robbins and Shelborne Rds. $8,560; Stevens Rd. $2,130; Tyson Rd. $11,005—to F. A. Caruso & Son, 804 South 12th St., Bradford, Eastwood and Ripley Rds. $15,-147; Lexington and Ryan Rds. $22,670—to M. Y. Neely, Inc., Bushleton, Cheltenham Rd. $5,243—to Mazzola & Marano, 739 South 7th St., Geneva and Westford Rds. $8,016; River Rd. $24,052—to Atlas Paving Co., 317 South 6th St., redressed granite block repaving Beck and Hancock Sts. $5,847; Hutchinson and Rodman Sts. $2,682; Norfolk St. $2,641—to C. G. Centrone, 520 North 65th St., Delancey St., $9,693; Richmond St. $36,030—to J. Valvucci, 512 North 65th St., Snyder St. $70,-739—to J. Rocco, 1825 South 8th St., curbing and footway work (to be paid by city) $3,793. Grand total $849,880. Noted Aug. 23.

Pa., Phila.—See "Sewers."

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to T. Flanagan, 531 East Girard Ave., grading American and Bodine Sts. $3,933—to Duffin Bros., Penn and Weymouth Sts., Bennington and Lawndale Sts. $1,613; Stiles St. $582—to Morrissey Bros., 4336 North Marshall St., Bennington, Dungan and Palmetto Sts. $1,150; Williams St. $431—to R. B. Wenner, 2819 West Gordon St., Lindbergh Blvd., Dorel, Eastwick, Guyer, 68th, 78th and 72nd Sts., $2,960—to Gallagher & Bergan, 4300 Flemming St., Harner St. $1,094—to Wilson-Martin, Inc., 1501 North 2nd St., Hegerman St. $2,827—to M. Leewright, 424 Seville St., Pechin St. $4,518—to S. C. Ratzell, Limekiln and Haines Sts., Walnut Lane $1,490—to Barber Asphalt Co., Hunting Park Ave. E., asphalt paving (assessment work), Aldine and Bleigh Sts. $20,249; 20th St., 74th and Cedar Park Aves. $26,914; Chew St. $29,-122; Dickens St. $5,394; Ellet St. $13,832; Loretto St. $22,418; asphalt repaving Ashmead St. $10,581; 18th and 19th Sts. $20,-436—to Montgomery Paving Co., Harrison Bldg., asphalt paving (assessment work) Bridge St. $6,012; Jackson St. $14,962 Spencer St. $8,963—to Municipal Constr. Co., Washington Sq. Bldg., Chelten St. $5,985; Duffield St. $8,675, Frontenac St. $7,163; 16th St. $2,991, asphalt repaving Marvine St. $5,986; Pennsylvania Ave. $93,448; Porter St. $14,523; Tryon St. $21,-891; 18th St. $7,180—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) Dyre St. $6,744; Godfrey St. $17,507; Pike St. $17,456—to Eastern Asphalt Co., Penn Bldg., Gowen St. $7,586; Mascher $16,589; Pike St. $5,266; Saybrook St. $5,266; Saybrook St. $5,481; 73rd St. $2,596; asphalt repaving Daly, Tree, Jackson and Winton Sts. $29,654—to F. A. Caruso & Son, 804 South 12th St., improving Afton and Faunce Sts. $7,808; Foster and Sanford Sts. $5,260; Hoff and Murray Sts. $7,719—to C. G. Centrone, 522 North 65th St., Whitemarsh St. $4,428; redressed granite block repaving Walnut Lane $26,514—to Acchione Contg. Co., 1607 McKean St., Peel and Williams Sts. $2,059—to Union Paving Co., 123 South 21st St., track area 20th St. $17,974; repaving Bensalem Ave., Branch of Roosevelt Blvd. $399,134. Grand total $554,062. Noted Sept. 6.

Maryland — State Roads Comn., Baltimore, concrete shoulders, concrete paving 2.1 mi. Baltimore Co., to P. Reddington & Son, 2 East Lexington St., Baltimore, $33,-354—concrete paving 0.8 mi. Prince George Co., to Southern Maryland Contg. Co., 14 East Lexington St., Baltimore, $14,099. Noted Aug. 30 and Sept. 6.

Miss., Vicksburg — Warren Co., improving 0.81 mi. Project 184-D, to W. H. Shons Co., Freeport, Ill., $78,000; 1.177 mi. Project 201-A, to Clar & McCaa, Port Gibson. Noted Aug. 30.

Kentucky—State Hy. Dept., Frankfort, grading 6.375 Harlan Co., to Garrard & Patterson, Barboursville, $121,555—18.676 mi. Lewis Co., to Sammons & Queen, Louisa, $168,809—rein.-con. paving 5.313 mi. Boone Co., to Ashland Supply Co., Ashland, $131,-429—traffic bound sandstone surfacing 7.47 mi. Bell Co., to F. W. Graham, Pineville, $44,983. Grand total $466,776. Noted Aug. 29.

Ohio — H. Kirk, dir. Hys., Columbus, brick paving 5.922 mi. Sect. "S" Columbus-Portsmouth Rd., Pickaway Co., to W. H. Ringwald Co., Chillicothe, $217,000. Former contract rescinded. Noted Sept. 13.

O., Cincinnati—Grading, curbing, sidewalks, bituminous macadam paving 3,200 sq.yd. and concrete paving 1,100 sq.yd. Vista Ave., to United Constr. Co., Lyric Theatre Bldg., $60,135. Est. $67,600. Noted Sept. 13.

O., Cleveland — Sheet asphalt paving Eagle Ave. Ramp, to Cleveland Trinidad Paving Co., Western Reserve Bldg., $25,608.

O., Garfield Heights (br. Cleveland) — For 2½ in. brick paving East 95th St., to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $9,763; Oak Park Ave., to Thorpe Constr. Co., Hippodrome Bldg., Cleveland, $43,192.

O., Parma (br. Cleveland)—Concrete curbing, concrete paving Russell Ave., to F. A. Stolfus, Western Reserve Bldg., Cleveland, $29,556; 4 avenues, to Baldwin Bros., 4500 Euclid Ave., Cleveland, $44,664. Noted Sept. 6.

Ind., Alexandria — Madison Co. (Anderson), asphalt on brick paving 1 mi. Harrison St., 32 ft., to J. P. Fisher, Logansport, $26,000. Est. $30,000.

Ind., Lebanon—Boone Co., concrete paving McConnaha Rd., to G. L. Turck Co., $16,212—Jackson Rd., to R. Wall, $10,902—F. A. Loose Rd., to B. Williams, $9,971—Sunderland Rd., to Kernodle & Fulwider, $10,418, all in Lebanon. Grand total $47,-503. Noted Aug. 30.

Michigan—State Hy. Dpt., Lansing, rein.-con. paving 1.792 mi. Project 133-D, Waxford Co., to Golberg Constr. Co., Inc., Mackinaw City, $51,468.

Michigan—At office City Clerk, Hastings, concrete paving 0.633 mi. MO8-20, C-1, 20 and 28 ft., Barry Co., to W. Neal & Son, Galesburg, for State Hy. Dpt., Lansing. $30,008 incl. cement. Noted Aug. 16.

Michigan—R. A. Beers, resident engr., Kalamazoo, concrete paving 6.7 mi. MO8-19, C-1, 20 ft., Barry Co., to J. G. McCarvy, Royal Oak, for State Hy. Dpt., Lansing, $249,890 incl. cement. Noted Aug. 9.

Michigan—E. R. Benkert, resident engr., Port Huron, concrete paving 1.009 mi. MO 74-31, 20 to 50 ft., to Deckerville Constr. Co., Deckerville, $51,916; 0.994 mi. MO 74-13, C-1, 20 and 40 ft., to Murray & Fremont, Inc., Bad Axe, $53,219, for State Hy. Dpt., Lansing. Noted Aug. 23.

Michigan—A. R. Schaefer, resident engr., Newberry, two course graveling 6.864 mi. MO75-15, C-1, 16 ft., Schoolcraft Co., to State Constr. Division, Lansing, for State Hy. Dpt., Lansing. $60,000. Noted Aug. 9.

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Streets and Roads (Continued)

Mich., Muskegon—I. L. Christiansen, city clk., concrete curbing, guttering, concrete paving 13,200 sq.yd. 7th and Park Sts., and curbing, guttering 2,800 ft. Sanford St., to L. C. Monroe, Nims and Wood Sts., $23,529 (city furnishes materials), and $7,454 respectively. Est. $45,000 and $10,000 respectively.

Mich., Lincoln Park (mail Detroit)—Concrete curbing, guttering, concrete paving 10,000 sq.yd. Special Dists. 150, 153 and 155, to Bishop & Weir, 955 East Jefferson Ave., Detroit, $30,000. Est. $30,000.

Ill., Burnham — Concrete paving 57,185 sq.yd., to Krenn & Dato, 926 North Michigan Ave., Chicago, $284,865.

Ill., Evanston—Bd. Local Impvts., to M. Foley Co., Evanston, grading, curbing, guttering, sewers, concrete paving 12,090 sq.yd. and brick paving 180 sq.yd. Orrington Ave., $57,574—to Cannell-Conrad Constr. Co., Evanston, 1,632 ft. 6 in. salt glazed house drains in Fowler Ave., $1,387; 1,632 ft. 1½ in. extra strong lead water pipe in Fowler Ave. $2,016; 4,100 ft. 6 in. c.i. mains in 4 streets, $7,390. Grand total $68,367.

Ill., Niles Center—Concrete paving 32,460 sq.yd., to Arcole Constr. Co., Evanston, $127,349. Noted Aug. 2.

Ill., Oak Lawn—For 40,000 sq.ft. sidewalks, to West Englewood Supply & Constr. Co., 6239 South Ashland Ave., Chicago, at $0.28 per sq.ft.; 38,240 sq.yd. sidewalks, to J. C. Jensen & Sons, 163 West Washington St., $0.27 and $0.29.

Ill., Riverside—Concrete paving 14,000 sq.yd. Fairbanks and Scottswood Rds., to T. J. Crowley Constr. Co., 3541 Ogden Ave., $64,951. Noted Aug. 2.

Minn., Minneapolis—A. P. Erickson, aud. Hennepin Co., asphaltic concrete paving 0.7 mi. Project 840, Rd. 7, to Fielding & Shepley, 216 University Ave., St. Paul, $24,720. Noted Aug. 23.

Ia., Dubuque—Grading, curbing, concrete paving 4 streets, to Ulrich-Paley Co., Dubuque, $20,675; 3 streets, to J. F. Lee Co., Dubuque, $16,289.

Ia., Keokuk—Paving and repaving 26,040 sq.yd., to Cameron-Joyce-Smith-Elder Co., Keokuk, at $1.51 per sq.yd. Noted Aug. 23.

Mo., Higginsville — R. A. Buscher, city clk., 6 in. concrete paving 8,368 sq.yd. Blackstone and Boggs Sts., to E. Vermillion, Higginsville, $21,960. Noted Aug. 23.

Mo., Kirkwood—W. J. Donworth, city clk., to Bangert Bros., 44A South Florrissant Rd., 8 in. telford macadam on 3 in. waterbound macadam paving Ann Ave. $820; Pearl Ave. $624; bituminous surface treating Gayer Rd. $856—to Industrial Track Constr. Co., Title Guaranty Bldg., St. Louis, 8 in. telford macadam on 3 in. waterbound macadam, Dickson Circle and Amherst Ave. $2,897—to J. Steuby, 473 South Van Buren St., concrete paving 3,801 sq.yd. Caroline Ave. $10,738; 4,766 sq.yd. Van Buren Ave. $10,667; 3,850 sq.yd. Bach Rd. $11,689. Grand total $38,291. Noted Aug. 30.

Mo., St. Joseph—Concrete paving 2,932 sq.yd. Monterey St. and 3,309 sq.yd. 34th St., to Bridgford Constr. Co., 10th and Jackson Sts., $8,596 and $8,717 respectively—2,490 sq.yd. 17th St., to P. P. Young, 4209 St. Joseph Ave., $5,924—1,579 sq.yd. Krug Park Pl., to Land Constr. Co., Corby Bldg., $3,414. Grand total $26,641.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, concrete paving 6 alleys, to Eyermann Contg. Co., 1210 South Grand Blvd. $15,979—2 alleys, to William A. Riley, 110 North 7th St., $4,719—6 alleys, to Alfred Lewald, Inc., 6025 West Cabanne Ave., $23,877—sewers in Ellendale Dist. 3, to F. M. Luth, 4135 Elora Ave., $1,747. Grand total $46,322. Noted Aug. 9.

Ark., Paris—Grading, curbing, rein.-con. paving 3½ mi. Street Impvt. Dist. 2, to G. Garmes, Rector Building, Little Rock, $150,000.

Ark., Searcy—Paving streets, to Hogan Constr. Co., foot Auction Ave., Memphis, Tenn., $32,000. Noted Aug. 30.

Tex., Dallas—Dallas Co., 7 in. gravel concrete paving 90,000 sq.yd. Memorial Blvd., to James Constr. Co., Athletic Club Bldg., $221,642. Est. $190,000. Noted Aug. 20.

Okla., Oklahoma City — Oklahoma Co., grading 6.798 mi. Project 87A and 86A, Toole Co., to Provo Constr. Co., Provo, $23,506; grading bridging 10.308 mi. Project 77-B, Sevier Co., to B. D. Palerevmore, Springville, $65,678.

Washington—State Hy. Comn., Olympia, screened graveling 4,360 cu.yd. Klickitat Co., to T. J. Redman & Son, P. O. Box 438, Yakima $5,981 — grading 155,000 cu.yd. Kittitas Co., to J. A. Tertling & Sons, Moscow, Idaho, $53,823 — 112,500 cu.yd. Ferry Co., to Crick & Kuney, 402 Realty Bldg., Spokane $56,335 — 195,500 cu.yd. State Rd. 2, Kittitas Co., to A. Besoloff, 1715 12th Ave., Seattle $89,136. Grand total $205,275. Noted Aug. 23.

Wash., Seattle — Comrs. King Co. constructing 1½ mi. Issaquah-Hobart Rd., to Northwestern Constr. Co., Skinner Bldg., $24,940.

California—C. H. Purcell, state hy. engr. Sacramento, grading, oil surfacing 2.2 mi. San Joaquin Co., to Mankel & Starring, 2924-35th St., Sacramento, $29,292; grading, oil treated crushed stone or gravel surfacing 22.1 mi. Riverside Co., to G. Herz & Co., 456 E St., San Bernardino, $292,899. Noted Aug. 23.

Calif., San Diego — Common Council, 6 in. asphaltic concrete paving 228,361 sq.ft. Mountain View Dr. and other streets, to V. R. Dennis Constr. Co., 3911 5th Ave., $89,900. Noted Aug. 30.

Calif., San Diego—Grading, curbing, asphaltic concrete on concrete paving Garnet St., to R. E. Hazard Contg. Co., 2548 Kettner Blvd., $77,459—42nd, 43rd and Van Dyke Sts., to B. Pearce, 4307 Logan Ave. $48,989—College and High Sts., to Watson & Sutton, Nowell Bldg. $55,784. Grand total $182,232. Noted Sept. 6.

Calif., San Francisco—Bd. P. Wks., sidewalks, 3 in. asphalt paving Alemany Blvd., to Henrahan Co., Standard Oil Bldg., $49,885; asphalt on concrete paving streets in Glen Park Terrace, to Municipal Constr. Co., Call Bldg., $31,453.

Calif., San Francisco—Bd. P. Wks., grading, 3 in. asphalt paving Bay Shore Blvd., Contr. 7, and Contr. 5, to Granfield, Farrar & Carlin, 67 Hoff Ave., $212,805 and $66,550 respectively. Noted Sept. 13.

Calif., San Francisco—Paving 2,100 ft. Kezar Stadium Roadway in Gold State Park, 60 ft., to J. M. Smith, 750 Ocean Ave., $55,161. Noted Sept. 27.

Ont., Ottawa—Asphalt paving Rideau St. and Bronson Ave., to Standard Paving Co. Ltd., Central Chambers, Elgin St., $142,829.

B. C., Vancouver — Concrete paving, to Harrison & Lamond, 615 Hastings St., $6,863—to Armstrong, Morrison Paving Co., 543 Granville St., $5,296—to Hodgson King & Worble, 626 Pender St. W., $11,685—to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St., $15,612—to Dawson Wade & Co., 500 Beatty St., $9,460—to King Moncrieff Co. Ltd., 207 Hastings St. W., $4,959—asphaltic concrete on rock paving Bway. W., to Columbia Bitulithic Ltd., 500 Beatty St., $40,793. Grand total $94,668.

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Buildings—Industrial

Proposed Work

Mass., Bridgewater—POWER PLANT—Commonwealth of Massachusetts, Dpt. Educ., Boston, revised plans by Henry & Richmond, 12 West St., Boston, rebuilding 1 story, brick, plain found., at State Normal School. $80,000. Former bids rejected. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted July 5.

Mass., Chelsea (br. Boston)—FACTORY—Raffi & Swanson, 22 Customs House, Boston, plans by W. T. Littlefield, 9 Hamilton Pl., Boston, 1 story, 50 x 65 ft., rein.-con., brick, steel, plain found., 1016 Bway. $40,000.

Mass., New Bedford—SERVICE and REPAIR—National Biscuit Co., 92 Water St., 1 story, 75 x 100 ft., brick, plain found., Merrimac St. $40,000. Private plans.

Mass., Provincetown — ASSEMBLY PLANT — See "Unclassified."

R. I., Providence—PLANT—Tar Products Corp., 99 Empire St., sketches plant. $40,000. E. W. Clark, c/o owner engr.

N. Y., Brooklyn—CINDER REDUCING METAL PLANT—Improved Cinders Co., 90 West St., New York, plans by Kleinert & Klie, 250 Park Ave., New York, 2 story, 24 x 132 ft., Van Dam St. and Newton Creek. $50,000.

N. Y., Brooklyn—FACTORY—C. Pfizer & Co., 11 Bartlett St., plans by H. Holder, 242 Franklin Ave., 7 story factory, Harrison and Gerry Sts. $300,000.

N. Y., Brooklyn—FACTORY—Metropolitan Constr. Co., C. Simonelli, pres., 597 Metropolitan Ave., plans by Lospia & Samenfeld, 269 Bway., 3 story, 50 x 100 ft. addition, Metropolitan Ave. and Catherine St. $45,000.

N. Y., Brooklyn—FACTORY—Paulruth Trading Corp., S. Miller, pres., 729 Crown St., plans by S. J. Fox, 66 Court St., 1 story, 100 x 400 ft., brick, Orient and Morgan Aves. $150,000.

N. Y., Brooklyn — FACTORY — Steel Tubes, Inc., J. L. Sussman, pres., Scott Ave. and Meserole Sts., plans by Austin Co., 1220 Jefferson Bldg., Phila., Pa., 1 story, brick, Scott Ave. and Montrose extension. $40,000.

N. Y., Brooklyn—FACTORY—W. Higginson, archt., 101 Park Ave., New York, bids after Oct. 1, factory, Gold and Marshall Sts., for Natl. Lead Co., 111 Bway., New York.

N. Y., Brooklyn—PUMP HOUSE, etc.—Brooklyn Union Gas Co., pump house, $15,000, Koppers Constr. Co., Union Trust Bldg., Pittsburgh, Pa., engrs.; truck scale house, $13,000, by Bartlett-Hayward Co., 200 Scott St., Baltimore, Md., engrs. Total work $200,000.

N. Y., Brooklyn—SERVICE GARAGE—Louis Sarkin, 1744 East 1st St., plans by Cohn Bros., 361 Stone Ave., 2 story, 70 x 196 ft., Prospect Park West and 9th Ave. $60,000.

N. Y., Brooklyn—SERVICE GARAGE—Weisbraun Realty Corp., S. Braun, pres., 435 Beach 36th St., Edgemere, plans by H. J. Nurick, 44 Court St., 1 story, 150 x 175 ft. service garage, Erasmus St. $70,000.

N. Y., Hollis (br. Jamaica) — SERVICE GARAGE — C. Hedwig, 98-02 195th St., bids in October general and separate contracts 80 x 97 ft., brick, concrete, 195th St. and 98th Ave. $50,000. E. Guterman, 164 Montague St., Brooklyn, archt. Noted Sept. 20.

N. Y., Long Island City—GARAGE and GAS STATION—B. Gunlach, archt., 597 5th Ave., New York, bids in November, 3 story, 125 x 168 ft., brick, concrete, Parkson Blvd. and Hillside Ave., for Nash Queens Motor Co., 94-30 Merrick Blvd., Jamaica. $250,000. Noted Sept. 6.

N. Y., Long Island City—PLANT—Careful Rug Cleaning Co. soon takes bids 2 story, basement, mezzanine, 30 x 200 ft., rein.-con., South Jane, Marion and Sherman Sts. $200,000. Lockwood Greene Engineers, Inc., 100 East 42nd St., New York, archts. and engrs.

N. Y., New York—BAKERY—Goldsam Realty Corp., S. Silverman, pres., 135 Bway., bids early in October general or separate contracts 1 story bakery, Sedgewick and Van Courtland Aves. $60,000. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts. Noted Sept. 20.

N. Y., New York — BAKERY — General Baking Co., 420 Lexington Ave., plans by C. B. Comstock, 110 West 40th St., 2 story, 120 x 200 ft. bakery, Bronx Blvd. and Rosewood St. $75,000.

N. Y., New York—GARAGE and GAS STATION—Waltmare Realty Corp., A. S. Ellicot, pres., 274 Madison Ave., plans by Bark & Djorup, 1341 Bway., two 2 story, brick, concrete, 205 Sherman Ave. $125,000.

N. Y., Oswego — CHEMICAL PLANT — Floyd L. Carlisle & Co., 15 Broad St., New York, sketches chemical plant. $500,000.

N. J., Newark — SUB-STATIONS — Pub. Serv. Electric & Gas Co., 80 Park Pl., plans by Pub. Serv. Production Co., 80 Park Pl., 2 story, basement, 40 x 70 ft., 1223-9 Broad St., $60,000, and 2 story, basement, 100 x 112 ft., 304-12 Norfolk St., $75,000, both brick, steel. Noted Sept. 20.

N. J., Morristown — REPEATER STATION—Voorhees, Gmelin & Walker, archts., 101 Park Ave., New York, soon let contract 4 story, basement, 45 x 75 ft., brick, steel, plain found., for American Telephone & Telegraph Co., 195 Bway., New York. $100,000.

N. J., Newark — MANUFACTURING — Delagrave Co., 829 Bway., revised plans by W. Clifford, Jr., 293 Morris Ave., Elizabeth, general contract 3 story, basement, 45 x 100 ft., brick, rein.-con., brick, steel, Oraton St. $40,000. Former bids rejected. Noted Sept. 20.

N. J., West New York — LAMP FACTORY—Brinkerhoff Electric Co., New York, plans by Lockwood Greene Engineers, Inc., archts. and engrs., 100 East 42nd St., New York, 2 story, basement, 70 x 180 ft., brick, timber, 11th St. and Schley Pl. $200,000.

O., Alliance—FACTORY—Morrison Jack Co., F. A. Hailes, pres., soon takes bids addition. $40,000.

O., Cleveland—MACHINE SHOP—Cleveland Cutter & Reamer Co., 7406 Madison Ave., 1 story, 39 x 79 ft., brick, addition. $40,000. Private plans.

Ind., South Bend—FACTORY—Studebaker Corp. plans by Lockhart & Fett, 457 Associates Bldg., 1 story, 62 x 302 ft., brick, steel. $75,000.

Mich., Detroit—FACTORY—Fisher Body Corp., General Motors Bldg., rein.-con., brick, plain found., Beaubien St. Private plans.

Mich., Detroit — PLANT — Briggs Mfg. Co., 11631 Mack Ave., plans by A. Kahn, 1000 Marquette Bldg., 1 story, 80 x 100 ft., concrete, steel top addition, Mack Ave.

Mich., Saginaw — SUB-STATION — Consumers Power Co., Jackson, plans by A. Kahn, Inc., 1000 Marquette Bldg., Detroit, 1 story, basement, 48 x 70 ft., brick, steel, plain found. $220,000.

Buildings—Industrial (Continued)

Neb., Omaha—COLD STORAGE—Jerpe Cold Storage Co., 12th and Douglas Sts., soon takes bids 4 story, 66 x 66 ft., rein.-con., brick, 1116 Douglas St. $50,000. J. T. Allen & N. S. Wallace, Brandeis Theatre Bldg., archts.

Calif., Emeryville — FACTORY — Fisher Body Corp., Genl. Motors Bldg., Detroit, Mich., 1 and 2 story, 63,000 sq.ft. floor space, brick, concrete, Park Ave., $150,000. Private plans. A. Johnson, c/o Apex Mfg. Co., Landregan and Powell Sts., Piedmont, in charge.

Calif., Sacramento—DISTRIBUTING and STORAGE PLANT—Richfield Oil Co., Bartlett Bldg., Los Angeles, distributing and storage plant, Sacramento River frontage, incl. steel storage tanks, warehouses, garages. Two steel boats to be constructed by Bethlehem Shipping Corp., San Francisco, $300,000 each. Total $1,000,000.

Calif., South San Francisco—FACTORY—Pacific Coast Steel Co., 111 Sutter St., San Francisco, 1 story, 160 x 500 ft. steel additions, $600,000 or more. Private plans.

Calif., Trona—RESEARCH LABORATORIES and OFFICE, etc.—American Potash & Chemical Co. plans by Parkinson & Parkinson, Title Insurance Bldg., Los Angeles, 2 story, basement, 50 x 170 ft., steel office and laboratory and 2 story, 128 x 200 ft. community center building.

Bids Desired

Mass., Boston—AUTO SALES and REPAIR GARAGE—Packard Motor Co., A. MacAuley, pres., East Grand Blvd., Detroit, Mich., taking new bids 4 story, 95 x 225 ft., rein.-con., steel, limestone, granite addition, plain found., 1897 Commonwealth Ave. Est. exceeds $40,000. A. Kahn, Inc., Marquette Bldg., Detroit, Mich., archt. Noted Sept. 20.

N. Y., Auburn—LAUNDRY—Oct. 9, by Commissioner Dpt. Mental Hygiene, Albany, laundry, at Auburn Prison; adv. E. N.-R. Sept. 27.

N. Y., Creedmoor (mail Jamaica) — BAKERY, GARAGE and STORAGE—Oct. 11, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, bakery, garage, implement storage at Creedmoore Div. Brooklyn State Hospital; adv. E. N.-R. Sept. 27. Noted June 7.

N. Y., Marcy—BAKERY and LAUNDRY—Oct. 11, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, bakery and laundry, at Marcy Div. Utica State Hospital; adv. E. N.-R. Sept. 27.

N. Y., New York—SERVICE GARAGE and APARTMENT — See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. J., Jersey City — DISTRIBUTION PLANT, WAREHOUSE and GARAGE — See "Contracts Awarded."

N. J., Newark—OIL PLANT—See "Contracts Awarded."

Va., Norfolk—Oct. 1, by C. B. Comstock, archt., 110 West 40th St., New York, 1, 2 and 3 story, 235 x 300 ft., brick, terra cotta, Gazelle Ave., 24th and 25th Sts., for General Baking Co., 420 Lexington Ave., New York. $200,000.

Ind., Indianapolis—FACTORY—Wheeler-Schebler Co., 1302 Barth Ave., taking bids brick, steel factory. $50,000. D. A. Bohlen & Son, 1001 Magestic Bldg., archts.

Mich., Detroit — FACTORY — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., taking bids and open same about Oct. 2, 2 story, basement, 150 x 824 ft., rein.-con., brick addition, plain found., Federal Ave., $125,000, for J. N. Smith Co., 5914 Federal Ave.

Mich., Detroit—FACTORY and OFFICE—Fisher Body Corp., General Motors Bldg., taking bids and open same about Oct. 1, 1 story 100 x 800 ft., factory, 2 story, 40 x 100 ft. office building, 1 story steam power plant, rein.-con., brick, steel, plain found., French Rd. $500,000. Private plans.

Ill., Chicago — FACTORY — Container Corp. of America, 111 West Washington St., bids about Oct. 16, brick addition, 900 Ogden Ave. $400,000. Francisco & Jacobs, 360 North Michigan Ave. and 511-5th Ave., New York, and 360 North Michigan Ave., archts. Noted Aug. 23.

Calif., Los Angeles — WAREHOUSE — Norton & Wallis, archts., Financial Center Bldg., taking bids 4 story, 50 x 140 ft., brick, Santee St., for M. Gottschalk & Son, c/o architects.

Contracts Awarded

Mass., East Boston (sta. Boston) — MANUFACTURING — Bethlehem Shipbuilding Corp., altering and constructing 3 story, brick, timber addition, plain found., 80 Border St., to Wilson & Tomlison, 201 Devonshire St., Boston. Est. $40,000.

Mass., Newton (Ind. br. Boston)—FACTORY—National Packaging Machine Co., 445 Watertown St., Newtonville, 4 story, brick addition, plain found., to F. L. Fox, 101 Milk St., Boston. Est. $40,000.

Mass., North Easton — PLANT — Ames Shovel & Tool Co., Main St., 1 story, 60 x 400 ft., concrete, brick, steel blade manufacturing plant, Main St., to H. S. Littlefield, 94 Myrtle St., Melrose. Est. $100,000.

Mass., Quincy (Ind. br. Boston)—SHOWROOM and REPAIR SHOP—J. Grossman, 19 Glendale Rd., 1 story, basement, 50 x 160 ft., brick, steel, Washington St., to R. R. Jabobucci, 16 Greenwood Ave., West Quincy. Est. $50,000.

Mass., Taunton—REPAIR GARAGE and SERVICE STATION—H. Jones, 93 Hart St., 1 story, basement, 75 x 100 ft., rein.-con., brick, steel, plain found., to L. M. Witherall, 29 Court St. Est. $40,000. Noted July 19.

Conn., Norwalk—SERVICE—Connecticut Light & Power Co., 107-11 West Main St., Waterbury, 1 and 2 story, 122 x 222 ft., brick, steel, Tindal Lane, to United Eng. & Constr. Co., Phila., Pa. Est. $250,000. Noted May 3.

N. Y., Garrison — REPAIR-SHOP and SIGNAL STATION — New York Central R.R. Co., 466 Lexington Ave., New York, 1 and 2 story, concrete, to Walsh Constr. Co., 403 Herald Bldg., Syracuse.

N. Y., Long Island City—GARAGE and FACTORY—Sarkisan Realty Co., 13th St. and East River, 2 story garage and factory, Queens Blvd. and Van Pelt St., to Merola Bros., 2376 1st Ave., New York. Est $75,000.

N. Y., New York—FACTORY—L. A. Bagge & Sons, archts., 157 East 44th St., factory, to J. Langer, 608 Beach Terrace. Est. $100,000. Noted July 12.

N. Y., New York—FACTORY, LOFT and RESTAURANT—J. R. Thompson Co., Inc., 350 North Clark St., Chicago, Ill., 7 story, 27 x 84 ft., brick, timber, to Gillies Campbell Co., Bell Ave., Bayside, est. $50,000. Noted Aug. 30.

N. Y., New York—GARAGE—New York Railways Corp., 123 West 146th St., altering 2 story garage, 100th St. and Lexington Ave., to J. B. Robert, 949 Bway. Est. $90,000.

N. Y., New York—SALES and SERVICE—Packard Motor Car Corp. of New York, B'way and 61st St., 8 story, basement, 200 x 225 ft., rein.-con., steel, brick, terra cotta, 385,000 sq.ft. floor space, 11th Ave. between 54th and 55th Sts., to Turner Constr. Co., 420 Lexington Ave. Noted Mar. 15.

N. Y., New York — SERVICE GARAGE and APARTMENT—I. Sherman, 1136 Fox St., 4 story, 50 x 107 ft., brick, separate contracts. $55,000. Bleich & Gottlieb, 708 East Tremont Ave., archts. Noted Sept. 20.

N. Y., New York—SERVICE GARAGE—Whitlock Westchester Realty Corp., W. J. McCormick, 1050 Whitlock Ave., 1 story, 94 x 166 ft., brick, steel, concrete, separate contracts. $45,000. C. A. Pirice, 419 4th Ave., archt. Noted Sept. 20.

N. Y., New York—SERVICE GARAGE—C. Buckley, 224 Creston Ave., 2 story, 100 x 100 ft., brick, concrete, separate contracts $60,000. J. J. Dunnigan, 2382 Grand Concourse, archt. Noted Sept. 6.

N. Y., New York—SERVICE GARAGE—J. Reitano, Jr., 827 East 226th St., 100 x 100 ft., brick, steel, separate contracts. $600,000. F. J. Ross, 4200 White Plains Ave., archt. Noted Aug. 23.

N. Y., New York—SERVICE GARAGE—Varsity Realty Corp., H. Diamond, pres., 110 East 42nd St., 2 story, 77 x 130 ft., brick, concrete, separate contracts. $40,000. C. S. Clark, 441 East Tremont Ave., archt. Noted Sept. 6.

N. J., Asbury Park—MILK DISTRIBUTION PLANT—Alderney Dairy Co., 26 Bridge St., Newark, general contract 1 story, 65 x 70 ft., brick, steel, to J. Sutherland, 133 South 15th St., Newark. Est. $40,000. Noted Sept. 20.

N. J., Delawanna — MANUFACTURING LOFT and STORAGE — Waldrich Realty Corp., c/o Lockwood Greene Engineers, Inc., 100 East 42nd St., New York, general contract manufacturing loft and storage, to James Mitchell, Inc., 999 Bergen Ave., Jersey City. Est. $125,000.

N. J., Fairview — FACTORY — Bellman Brook Bleachery Co., Fairview Ave., general contract 2 story, basement, brick, steel addition, plain found., to A. A. LaFountain Co., Railroad Ave., Hackensack. Est. $400,000.

N. J., Jersey City — DISTRIBUNTION PLANT, WAREHOUSE and GARAGE — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, 125 x 195 ft., rein.-con., brick, plain found., separate contracts. $250,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archts. Noted Sept 8, 1927.

N. J., Jersey City — TERMINAL — Erie R. R. Co., R. C. Falconer, ch. engr., 50 Church St., New York, terminal building, to A. N. Spooner & Sons, 11 North River, New York. Est. $70,000.

N. J., Newark—OIL PLANT—Trenton Super Fuel Co., 8 Lister St., 2 story, basement, brick, steel, plain found., Lister St., separate contracts. $50,000. Private plans.

N. J., Paterson — SILK FINISHING PLANT—Lafayette Piece Dyeing Wks., 442 22nd St., general contract 2 story, basement, 60 x 100 ft., brick, steel, plain found., 444-50 22nd St., to J. Wesbrela, 444 22nd St. Est. $40,000.

Pa., Chester—PRINTING PLANT—F. C. Watson, archt., Crozer Bldg., 2 story, basement, 100 x 114 ft., rein.-con., brick, steel, plain found., 18th and Sproule Sts., to W. Provost, Crozer Bldg., for Jno. Spencer, Inc., 517 Edgemont St. Noted Sept. 6.

Pa., Phila.—CHEMICAL LABORATORY—Austin Co., engrs., 1015 Chestnut St., 3 story, basement, 30 x 60 ft., rein.-con., brick, plain found., Somerset St., to Farrell-Roth Co., 213 South 46th St., for E. F. Houghton Co., 240 West Somerset St. Noted Aug. 30.

Pa., Phila. — MANUFACTURING—Railway Track Work Co., East Thompson and Clementin Sts., 1 story, mezzanine, basement, 55 x 100 ft., rein.-con., brick, plain found., Tulip and Westmoreland Sts., to J. N. Gill Co., City Center Bldg.

Pa., Phila.—ICE PLANT—American Ice Co., 121 North Broad St. (subsidiary Knickerbocker Ice Co., 41 East 42nd St., New York), 1 story ice plant, Somerdale and Comlly Sts., to Sutton & Stephenson, 1317 Washington Ave. Est. $40,000 or more.

S. C., Columbia—POWER PLANT—General Gas & Electric Corp., 50 Pine St., New York City (subsidiary of M. S. Barstow & Co., Inc., 50 Pine St., New York), 3rd unit 30,000 kw. steam power plant at Parr Shoals, 40 mi. from here. Work to be done by Construction Dpt. W. S. Barstow & Co., 50 Pine St., New York.

Tenn., Dyersburg — COTTON MILL — Dyersburg Cotton Products Co., 3 story, 130 x 700 ft., incl. dye plant, warehouse and boiler plant, to Gauger-Korsmo Co., Fidelity Bank Bldg., Memphis. $400,000.

O., Cleveland — FACTORY, SHIPPING ROOM — Cleveland Wire Spring Co., East 49th and Howard Sts.; 1 story, 120 x 122 ft. and 20 x 42 ft. brick, steel factory addition and shipping room, to Boldt-Rapp Co., 5511 Euclid Ave. Est. $100,000. Noted Sept. 6.

O., Cleveland—GARAGE—Ontario Street Land & Impvt. Co., J. E. Latimer, pres., Union Trust Bldg., 1 and 2 story, 120 x 220 ft., brick, steel, concrete, 1212 Carnegie Ave., to Vokes Co., Union Mortgage Bldg. Est. $75,000.

Mich., Detroit — FACTORY — Long Mfg. Co., 2768 East Grand Blvd., 2 story, rein.-con., brick, steel, plain found., East Grand Blvd., to E. Chase, Penobscot Bldg. Est. $50,000.

Mich., Detroit — WAREHOUSE—Dossin Food Products, 3659 Gratiot Ave., 2 story, basement, 40 x 142 ft., brick, steel, plain found., Gratiot St., to Banbrook-Gowan Co., 4829 Woodward Ave. Est. $50,000.

Mich., Ferndale (br. Detroit)—FACTORY—Steel & Tubes, Inc., W. J. Sampson, Jr., pres., 224 East 131st St., Cleveland, O., 1 story, 210 x 500 ft., brick, steel, concrete, to Cooper-Little Co., 4612 Woodward Ave., Detroit. Est. $400,000. Noted Aug. 30.

Ill., Chicago — FACTORY — Mars Inc. Candy, 2019-59 North Oak Park Ave., masonry contract 1 story, 200 x 644 ft., brick, 2019-39 North Oak Park Ave., to A. S. Law, 510 North Dearborn St. Est. $250,000.

Mo., St. Louis — POWER PLANT — Anheuser-Busch, Inc., 721 Pestalozzi St., remodeling power plant, 9th St., boilers, water walls, superheaters, to Springfield Boiler Co., Springfield, Ill.; water treatment equipment, to Cochrane Constr. Co., 822 1st Natl. Bldg., Lincoln, Neb.; mills and burners to Hardinge Co., York, Pa.; turbines, to Allis-Chalmers Co., West Allis, Wis.; preheaters and dust collectors, to Prat-Daniel Co., 101 Park Ave., New York, general construction work will be supervised by Ophuls & Hill, Inc., engrs., 112-114 West 42nd St., New York. Total $1,000,000. Noted Sept. 6.

Colo., Denver — WAREHOUSE — Pub. Serv. Co., 15th and Champa Sts., masonry warehouse, to F. H. Cowell, Central Savings Bank Bldg., $120,000.

Buildings—Commercial

Proposed Work

N. Y., New York — APARTMENT — Bricken Constr. Corp., 1385 Bway., plans by Schwartz & Gross, 347 5th Ave., 15 story, 201 x 244 ft., brick, steel, 101 East 93rd St. $4,500,000.

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Buildings—Commercial (Continued)

N. J., Orange—APARTMENT—H. C. Cassam, c/o A. P. Nucciarone, archt., 206 Central Ave., 5 story, 120 x 145 ft., brick, steel, plain found., 280 Central Ave. $175,000. Noted Sept. 20.

N. J., Orange—APARTMENT—Lillien & Lillien, archts., 155 West 72nd St., New York, rejected bids 5 story, basement, brick, steel, plain found., Oxford Pl. and South Center St., for J. J. Kelley, 24 Branford Pl., Newark. $250,000. Project abandoned. Noted Sept. 13.

O., Cincinnati—THEATRE and HOTEL—Corporation, c/o W. H. Ahlschlager, archt., 65 East Huron St., Chicago, Ill., and 565 5th Ave., New York, theatre and hotel. $7,000,000.

Mich., Detroit — APARTMENT — J. L. Baker, 344 Penobscot Bldg., sketches 12 story, rein.-con., brick, steel, plain found., Six Mile Rd. and Stoepel St. $1,000,000.

Ill., Evergreen Park—HOSPITAL—Sisters of Little Company of Mary, 4130 Indiana Ave., sketches by J. W. McCarthy, 139 North Clark St., Chicago, 5 story, basement, 93rd St. and California Ave. $1,000,000.

Mo., St. Louis — APARTMENT — Local Syndicate, c/o W. J. Abbott, 806 Chestnut St., soon takes bids 25 story, basement, 140 x 200 ft., rein.-con., brick, stone, steel, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000. J. L. Bowling & D. L. Frank, Arcade Bldg., archts.

Bids Desired

N. H., East Jaffrey—STORE, OFFICE, EXCHANGE, POST OFFICE—Owner, c/o A. E. Rosenstein, archt., 220 Devonshire St., Boston, Mass., taking bids 2 story, basement, 85 x 150 ft., brick, stone, plain found., Main St. and Railroad Ave. $150,000.

N. Y., Binghamton—BANK and STORE—First Natl. Bank bids about Dec. 1, bank and store building. $500,000. Halsey, McCormick & Helmer, 286 5th Ave., New York, archts.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York — APARTMENTS — Fifty-Five Avenue A Corp., 26 Court St., Brooklyn, taking bids on separate contracts 12 story, 96 x 114 ft., 43 Avenue A, and 12 story, 95 x 115 ft., 51-87 Avenue A, both brick, steel. $900,000 each. Shampan & Shampan, 26 Court St., Brooklyn, archts. Noted Sept. 6 and 20.

N. Y., New York — HOTEL — See "Contracts Awarded."

N. Y., New York — THEATRE — Highbridge Realty Corp., H. Schenck, pres., 1540 Bway., and T. W. Lamb, archt., 644 8th Ave., bids about Oct. 8, 199 x 205 ft., brick, steel, 4140 Bway. $1,250,000. Noted July 16.

N. Y., Rochester—STAFF—Oct. 17 (extended date), by Commissioner Dpt. Mental Hygiene, Albany, staff and employees accommodations at Rochester State Hospital; adv. E. N.-R. Sept. 27. Noted Aug. 30.

N. J., Asbury Park — APARTMENT — See "Contracts Awarded."

N. J., Fairview — APARTMENT — See "Contracts Awarded."

N. J., Haddonfield—APARTMENT—See "Contracts Awarded."

N. J., Hasbrouck Heights — APARTMENT — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Lyndhurst (br. Rutherford) — STORE and OFFICE — F. P. Friedman, archt., 395 Springfield Ave., Newark, taking bids general contract 2 story, basement, 50 x 200 ft., brick, steel, plain found., Stuyvesant Ave. and Court extension, for L. Hillhouse, c/o architect. $150,000. Noted Sept. 6.

N. J., Montclair — APARTMENT and STORE—See "Contracts Awarded."

N. J., Newark — APARTMENT — Town Holding Co., c/o Lilien & Lilien, archts., 155 West 72nd St., New York, bids about Nov. 1, general contract 5 story, basement, brick, steel, 57-63 Osborne Terrace. $200,000.

N. J., Paterson — HALL OF RECORDS and JAIL—Bd. Freeholders Passaic Co., City Hall, bids about Oct. 15, 8 story, basement, 125 x 150 ft., rein.-con., brick, steel, plain found., Grand and Spring Sts. $500,000. H. B. Crosby, 125 Ellison St., archt. Noted Sept. 13.

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Md., Sykesville—INFIRMARY—Sept. 28, by H. P. Hopkins, archt., 347 North Charles St., Baltimore, 2 story, 98 x 120 ft., rein.-con., brick, steel, stone, for Springfield State Hospital. $150,000.

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D. C., Wash. — HOTEL and APARTMENT—Cafritz Co., 1016 14th St. N. W., bids about Nov. 1, hotel and apartment, 19th and F Sts. $2,000,000. H. H. Warwick, 116 Vermont Ave. N. W., archt.

D. C., Wash.—OFFICE—Oct. 18, by W. B. Wood, archt., 16 Jackson Pl. N. W., office building, 15th and K Sts., for Southern Railway Co., 13th and Penn. Ave., B. Herman, ch. engr. Noted Aug. 9.

La., Shreveport—HOSPITAL—Oct. 16, by Charity Hospital, c/o Secretary of Bd., remodeling and constructing 1 story, brick, concrete addition. $150,000. Former bids rejected. S. Van Os, Merchants Bldg., archt. Noted Sept. 20.

Tenn., Memphis—BANK—Oct. 1, at office Hanker & Cairns, archts., 123 South Court St., 3 story, basement, 150 x 150 ft., granite, South 2nd St. and Monroe Ave., for Bank of Commerce & Trust Co., Bank of Commerce Bldg. $1,000,000.

O., Columbus—POLICE STATION—Oct. 4, by City, 5 story, basement, concrete, brick, steel, water and Gay Sts. $750,000. Allied Architects Assn., A. I. U. Bldg., archts.

Ind., Peru — HOSPITAL — Oct. 20, by Miami Co. Hospital, rein.-con., brick, stone hospital, known as Aaron Dukes Memorial. $150,000. R. Lenoard, 309 Peoples Life Bldg., Frankfort, archt.

Ill., Chicago — APARTMENT — Betts & Holcomb, archts., 32 West Randolph St., taking bids 7 story, basement, rein.-con., brick, 3019 East 78th St., for Syndicate, c/o architects. $300,000.

Ill., Chicago — APARTMENT — Jillson & Pierce, archts., 35 East Wacker Dr., bids about Oct. 20, 6 story, basement, 50 x 150 ft., rein.-con., brick, 1412 Chase Ave., for Chase Avenue Building Corp., c/o architects. $250,000.

Ill., Chicago—APARTMENT—Oct. 5, by Schmidt, Gardner & Erickson, archts., 104 South Michigan Ave., 19 story, basement, 31 x 65 ft., rein.-con., brick, steel, terra cotta, concrete pile found., 65 East Walton Pl., for Huguelet Bros., 908 Huguelet Pl. $1,500,000. Noted June 14.

Ill., Highland Park — HOTEL — W. D. Mann, archt., 32 West Randolph St., Chicago, taking bids 3 story, basement, irregular shaped brick addition, Main St. and Sheridan Rd., for Moraine Hotel Co. $250,000.

Neb., Omaha—APARTMENT—See "Contracts Awarded."

Wash., Seattle — HOTEL — Oct. 5, by V. W. Voorhees, archt., Lloyd Bldg., 14 story, basement, concrete, steel, brick, 3rd and Union Sts., for Union Leashold Co., c/o architect. $900,000.

Calif., Santa Monica—APARTMENT—See "Contracts Awarded."

Contracts Awarded

Mass., Boston—STORE and OFFICE—F. W. Woolworth Co., Park Sq. Bldg., 6 story, basement, 70 x 125 ft., brick, stone, granite, plain found., to Casper-Ranger Constr. Co., 129 Newbury St. Est. exceeds $150,000. Noted Sept. 6.

Mass., Framingham—BANK—J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, altering and constructing 1 story, basement, rein.-con., brick, steel, stone addition, plain found., to J. J. Prindiville Co., Prindiville Bldg., for Framingham Trust Co., C. H. Bigelow, pres., Concord St. Est. $150,000. Noted Sept. 13.

Mass., Newton (Ind. br. Boston) — STORE and OFFICE — Stuart-Marshall Realty Co., 280 Centre St., 2 story, basement, 100 x 125 ft., brick, stone, concrete found., Newton Centre, to Rugo Constr. Co., 80 Boylston St., Boston. Est. $150,000. Noted July 12.

Mass., Salem — EXCHANGE — W. H. Koen, 159 Federal St., Boston, 3 story, basement, brick, plain found., to T. W. Fitzgerald, 22 Clifton Ave. Est. $150,000. Noted Sept. 6.

Mass., Scituate—MASONIC TEMPLE—Scituate Lodge of Masons, J. Severance, chn. building com., 1 and 2 story, basement, brick, stone, plain found., to B. B. Taylor, 300 East Squantum St., Quincy. Est. $150,000 or more. Noted July 19.

N. Y., Brooklyn—APARTMENT—Harry Koeppel Corp., 26 Court St., 6 story, 95 x 103 ft., brick, timber, separate contracts. $150,000. Malkind & Weinstein, 93 Court St., archts. Noted Sept. 13.

N. Y., Brooklyn — APARTMENT — Jack Carner, Inc., 16 Court St., 6 story, apartment, Ditmars Ave. and East 22nd St., separate contracts. $325,000. M. Rothstein, 186 Joralemon St., archt.

N. Y., Brooklyn—APARTMENTS—Modern Six Family Corp., 1054 Eastern Parkway, ten 3 story, 75 x 82 ft., brick, steel, separate contracts. $150,000. A. Adamo, 1222 70th St., archt. Noted Sept. 13.

N. Y., Brooklyn — APARTMENT — R. Rockoff, 945 East 10th St., 4 story, Ocean Ave. and Avenue Y, separate contracts. $250,000. Seelig & Finkelstein, 66 Court St., archts.

N. Y., Brooklyn — APARTMENT — Radmore Realty Corp., M. L. Levine, pres., 32 Court St., 6 story, 120 x 173 ft., brick, steel, separate contracts, $400,000. Cohn Bros., 361 Stone Ave., archts. Noted Sept. 13.

N. Y., Brooklyn—APARTMENT—Roche & Cardes, 1586 Flatbush Ave., brick, timber, separate contracts, $190,000. R. T. Schaefer, 1543 Flatbush Ave., archt. Noted Sept. 13.

N. Y., Brooklyn — APARTMENTS — L. Shadorofsky, 1553 Elmore Ave., 99 x 120 ft., East 46th St. and Church Ave., separate contracts, $225,000. Cohn Bros., 361 Stone Ave., archts.

N. Y., Brooklyn — APARTMENT—Three Hundred Forty-Seven 86th St. Corp., J. W. Lake, Treas., 9221 3rd Ave., 6 story, 130 x 140 ft., brick, timber, separate contracts, $400,000. Ricca & Ungarleider, 186 Remsen St., archts. Noted Sept. 20.

N. Y., Brooklyn — SANITORIUM — Midwood Sanitorium, B. D. Harrington, 19 Winthrop St., and M. Erickson, archt., 885 Flatbush Ave., 4 story sanitorium, to W. Kidde & Co., 140 Cedar St., New York. Est. $150,000. Noted Aug. 30.

N. Y., Flushing—APARTMENT—W. Benton, 324 Grand Ave., Astoria, 6 story, 89 x 120 ft., brick, timber, separate contracts. $200,000. B. Braunstein, 163-18 Jamaica Ave., archt. Noted Sept. 20.

N. Y., Flushing—APARTMENT—Keen Holding Corp., 570 7th Ave., 6 story, 122 x 176 ft., brick, timber, separate contracts. $350,000. Gronenberg & Leuchtag, 1385 Bway., archts. Noted Sept. 20.

N. Y., Jamaica — APARTMENT and STORE—Benens Realty Corp., 26 Court St., Brooklyn, 6 story, 130 x 135 ft., brick, timber, Rector St. and Jamaica Ave., separate contracts. $300,000. Kavy & Kavovitt, 350 Stone Ave., Brooklyn, archts. Noted Sept. 20.

N. Y., New York—APARTMENT—Carmine Cioffi, Inc., 1695 Boston Rd., 5 story, 95 x 105 ft., brick, timber, separate contracts. $150,000. G. W. Swiller, 4215 3rd Ave., archt. Noted Sept. 20.

N. Y., New York—APARTMENT—Garlock Realty Corp., S. Gordon, pres., 56 West 45th St., 6 story, separate contracts. $200,000. C. B. Meyers, 31 Union St., archt. Noted Sept. 20.

N. Y., New York—APARTMENT—Hildorn Realty Corp., M. Fein, pres., 1026 East 179th St., 6 story, 100 x 150 ft., brick, timber, separate contracts. $250,000. Lang & Rosenberg, 1440 B'way, archts. Noted Sept. 20.

N. Y., New York—APARTMENT—Kingsbridge Impvt. Corp., S. Kinskoff, pres., 2353 Grand Concourse, 19 story, brick, steel, 480 Park Ave., separate contracts. $3,000,000. E. Roth, 1440 Bway., archt. Noted Aug. 16.

N. Y., New York—APARTMENT—Minsam Realty Corp., C. W. Mack, pres., 255 Avon Ave., 6 story, 100 x 175 ft., brick, timber, separate contracts. $300,000. L. Pisciotta, 1912 Arthur Ave., archt. Noted Sept. 20.

N. Y., New York—APARTMENT and STORE—Up to Date Development Corp., 2030 Watson Ave., 6 story, 82 x 125 ft., brick, timber, separate contracts. $200,000. Springsteen & Goldhammer, 40 East 49th St., archts. Noted Sept. 20.

N. Y., New York—HOTEL—Club Hotel Corp. of New York, H. Barth, pres., 116 West 72nd St., 16 story hotel, 140 East 24th St., separate contracts. F. M. Andrews, c/o owner, archt.

N. Y., New York — THEATRE — Loews Enterprises, 1540 B'way, 3 story, 175 x 225 ft. theatre, to M. Mason & Son, 26 Court St., Brooklyn. Est. $1,800,000. Noted Dec. 1.

N. Y., Pleasantville—BANK and OFFICE—First National Bank of Pleasantville, A. C. Hoyt, in charge, c/o John Mansville, Inc., 41st St. and Madison Ave., New York, bank and office building, to W. B. Keihme Constr. Co., Est. $150,000.

N. Y., Rochester — BANK — Rochester Trust & Safe Deposit Co., 1 Main St. W., 6 story, granite, marble addition, 1 Exchange St., to Stewart & Bennett, 125 North Water St. Est. $300,000. Noted July 12.

N. J., Asbury Park—APARTMENT—I. Traub, 4 story, basement, brick, steel, plain found., Emory St., Lake Dr., 8th and Deal Aves., separate contracts. $150,000. P. Freshman, 50 Court St., Brooklyn, N. Y., archt.

N. J., Camden—APARTMENT—Haddenfield Manor Apartments, c/o Edwards & Green, archts., 548 Federal St., 4 story, basement, 65 x 206 ft., brick, steel, plain found., Kings Highway and Linden Ave., to Costanza Bros., 1540 Mt. Ephraim Ave. Est. $350,000.

N. J., Camden—BANK and OFFICE—Rankin & Kellog, archts., 1805 Walnut St., Phila., Pa., 5 story, 70 x 120 ft., rein.-con., brick, steel, plain found., Bway. and Market St., to Ketcham & McQuade, 1029

Buildings—Commercial (Continued)

Brown St., Phila., Pa., for Camden Safe Deposit & Trust Co., 224 Federal St. Noted Aug. 16.

N. J., Fairview—APARTMENT—R. Perrone, 106 18th St., West New York, 3 story, basement, 75 x 125 ft., brick, plain found., Anderson and Jersey Aves., separate contracts. $150,000. A. DePaola, 106 18th St., West New York, archt.

N. J., Haddonfield — APARTMENT — Colonial Arms, Inc., c/o Edwards & Green, archts., 548 Federal St., Camden, 6 story, basement, brick, steel, plain found., separate contracts. $175,000. Noted Sept. 6.

N. J., Hasbrouck Heights — APARTMENT — Owner, c/o H. O. Hamilton, archt., 369 Lexington Ave., New York, 5 story, basement, 85 x 120 ft., brick, steel, plain found., separate contracts. $150,000.

N. J., Irvington (br. Newark)—APARTMENT — M. Kochan, 476 Union Ave., 3 story, basement, 55 x 120 ft., brick, steel, plain found., 480 Union Ave., separate contracts. $150,000. S. Cohen, 130 Branford Pl., Newark, archts.

N. J., Jersey Cty — APARTMENT — H. Goldowsky, 23 Warner Ave., 5 story, basement, 100 x 125 ft., brick, steel, plain found., Jewett Ave., separate contracts. $250,000. M. Kraut, 3010 Hudson Blvd., archt. Noted Sept. 20.

N. J., Montclair — APARTMENT and STORE—J. G. Aiello, Park St., 6 story, basement, 130 x 152 ft., brick, steel, Church and South Park Sts., separate contracts. $500,000. Private plans.

Pa., Oil City—HOSPITAL—Oil City General Hospital, and E. E. Bailey, archt., Oil City, general contract 3 story, basement hospitol, to L. O. Bouquin, Oil City. Est. $200,000.

Pa., Phila.—APARTMENT—N. Litman, 45th and Pine Sts., 4 story, basement, 78 x 160 ft., brick, steel, plain found., 506 North 41st St., separate contracts. $275,000. R. N. Litman, 45th and Pine Sts., archt.

Pa., Phila. — THEATRE — Hoffman-Henon Co., archts., Finance Bldg., 1 story, balcony, basement, 121 x 243 ft., rein.-con., brick, steel, plain found., Frankford Ave. and Overington St., to Day & Zimmerman, 112 North Broad St., for Mercantile & Theatre Properties, Inc., c/o J. Bernhard, 130 Chestnut St. Noted Aug. 30.

Del., Wilmington — Brown & Whiteside, archts., Du Pont Bldg., 5 story, basement, 162 x 167 ft., brick, steel, plain found., to W. M. Francis, Du Pont Bldg., for Y. M. C. A., c/o architects. $619,950. Noted Aug. 23.

Ala., Huntsville — HOTEL — Huntsville Hotel Co., general contract 12 story, basement, roof garden, 100 x 150 ft., brick, steel, to E. G. Holliday & Co., 151-4th Ave., N., Nashville, Tenn., $500,000; plumbing, heating, wiring and ventilating, to Hutchens Co., Huntsville; elevator to Otis Elevator Co., Court and Walnut Sts., Cincinnati, O. Noted Aug. 2.

O., Cleveland — WAREHOUSE — Brandt Co., H. W. Brandt, pres., Sheriff St. Market, 2 story, basement, 160 x 475 ft., rein.-con., brick, East 37th and Orange Sts., to S. W. Emerson Co., 1836 Euclid Ave. Est. $1,000,000.

Ind., Frankfort — ARMORY — Indiana Natl. Guard, State House, Indianapolis, general contract rein.-con., brick, to Ostrom Realty & Constr. Co., Peoples Bank Bldg., Indianapolis. Est. $150,000.

Ind., Noblesville — ARMORY — Indiana Natl. Guard, State House, Indianapolis, general contract rein.-con., brick, steel, to Ostrom Realty & Constr. Co., Peoples Bank Bldg., Indianapolis. Est. $150,000.

Ind., South Bend—ARMORY—Indiana Natl. Guard, State House, Indianapolis, general contract 3 story, basement, 80 x 149 ft. rein.-con., brick, incl. 3 guard units, drill hall, rifle range, to Ostrom Realty & Constr. Co., Peoples Bank Bldg., Indianapolis. Est. $150,000.

Ill., Chicago—CLUB—Granger & Bollenbachar, archts., 333 North Michigan Ave., rebuilding 8 story, 80 x 85 ft. club, South Michigan Ave. and Van Buren St., to E. L. Scheidenhelm Co., 333 North Michigan Ave., for Chicago Club, Van Buren and South Michigan Aves.

Ill., Chicago—GROCERY STORE—A. S. Alschuler, archt., 28 East Jackson Blvd., substructure 6 story, basement, 100 x 125 ft., brick, stone, rein.-con., brick, Illinois and Orleans Sts., to A. Brundage Co., 104 South Dearborn St., for J. Sexton & Co., Illinois and Orleans Sts. Est. $350,000.

Ill., Chicago—OFFICE and STORE—V. C. Carlson, 636 Church St., Evanston, general contract 6 story (ultimately 12 story), basement, 79 x 154 ft., face brick, Bedford stone, Howard and Clark St., to V. C. C. Constr. Co., 636 Church St., Evanston. Est. $1,000,000.

Ill., Chicago — RETAIL STORE—Leichenko & Esser, archts., 38 South Dearborn St., general contract, 7 story, basement, 48 x 120 ft., to Avery Brundage Co., 110 South Dearborn St., for S. H. Goldberg, 1918 Prairie Ave. $300,000. Noted July 19.

Neb., Omaha—APARTMENT—A. Knutson, 523 Forest Dr., 6 or 8 story, rein.-con., brick, day labor. $150,000. Private plans.

Okla., Blackwell — OFFICE and THEATRE — Kennedy Bros. & Hayes, archts., general contract 4 story, basement, 50 x 140 ft., rein.-con., brick, steel, plain found., to W. R. Grimshaw Constr. Co., 401 Kennedy Bldg., $170,000; heating and plumbing, to Winfield Heating & Plumbing Co., Winfield, Kan., $30,000. Noted May 19, 1927.

Calif., Los Angeles—APARTMENT—N. A. Leech, 4452 Price St., 27 story, 90 x 150 ft., rein.-con., steel, 8235 Sunset Blvd., separate contracts and soon takes sub-bids on same. To exceed $1,000,000. Noted Sept. 20.

Calif., Los Angeles—APARTMENT—H. H. Belden, c/o J. M. Cooper, archt., 315 Rives Strong Bldg., 13 story, basement, 100 x 200 ft., Class "A," incl. 65 car garage in basement, to J. M. Cooper, 315 Rives Strong Bldg. $600,000. Noted Sept. 13.

Calif., Los Angeles—BANK and OFFICE—Hollywood Central Building Corp., 6331 Hollywood Blvd., 12 story, basement, 42 x 90 ft., rein.-con., to Scofield-Twaits Co., Pacific Finance Bldg., $350,000. Noted Sept. 13.

Calif., Los Angeles — HOSPITAL — Los Angeles Co., general contract 11 story, steel, to Weymouth Crowell Co., 2104 East 15th St., $3,017,000; plumbing and heating, to Howe Bros., 198 South San Pedro St., $856,915 and $345,285 respectively; ventilating, to T. Haverty Co., 800 South Maple Ave., $178,182; electrical work, to Newbery Electrc Corp., 726 South Olive St., $719,491; elevators, to Otis Elevator Co., 300 East 8th St., $448,871. Grand total $5,565,744. Noted Jan. 26.

Calif., San Francisco — APARTMENT — M. I. Schwartz (owner and archt.), 110 Sutter St., 3 story, basement, brick, stucco, Diamond and Market Sts., day labor and sub-contracts. $150,000.

Calif., San Francisco—APARTMENTS—I. Epp & Son, 4745 Geary St., three 3 story, basement, stucco, Golden Gate Ave. near Steiner St., day labor and sub-contracts. $75,000 each. J. C. Hladik, Monadnock Bldg., archt.

Calif., San Mateo—APARTMENT—Baywood Apartments, Inc., c/o E. L. and J. E. Norberg, archts., 580 Market St., San Francisco, 6 story, basement, rein.-con., steel, to Miner Co., 243 Hamilton Ave., Palo Alto, $150,000.

Calif., Santa Monica—APARTMENT—S. Klitnick 4 story, basement, 100 x 100 ft., brick, tile, California and 4th Sts. $150,000. Owner builds. L. Weiner, 316 Spring Arcade Bldg., Los Angeles, archt.

Buildings—Educational, Religious

Proposed Work

Mass., Longmeadow (mail Springfield)—SCHOOL—Town, H. Dudley, 73 Colton Pl., rejected bids Sept. 7, 2 story, basement, 130 x 135 ft., brick, stone, plain found., Longmeadow St. $150,000 or more. Will readvertise. M. B. Harding, 6 Main St., Westfield, archt. Noted Aug. 30.

Mass., Roxbury (sta. Boston)—NURSES' HOME, LAUNDRY, etc.—Children's Hospital, 1300 Longwood Ave., plans by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, nurses' home, laundry and emergency contagious ward, brick, plain found., Longwood Ave. $1,000,000. Noted May 31.

Mass., Winchester — HIGH SCHOOL — Town, Superintendent Schools, 83 Church St., plans by Kilham, Hopkins & Greeley, 9 Park St., Boston, altering and constructing 2 story, basement, brick, stone addition to Noonan School, plain found., Hemingway St. $150,000. Noted Mar. 15.

Conn., Waterbury—SCHOOL—City, Bd. Educ., revised plans by T. M. Freney, 51 Leavenworth St., 2 story, basement, 70 x 135 ft., brick, limestone, plain found., Birch and Wall Sts. $150,000. Noted Mar. 1.

Conn., Waterbury — SYNAGOGUE — Temple Beth El plans by Myers, Bigelow & Shanley, 24 Walnut St., Newark, N. J., 3 story, basement, brick, steel, plain found. Est. $200,000. Noted June 7.

N. Y., Nanuet—SCHOOL—School Dist. 8, Clarkson and Orangetown Twps. sketches by Tooker & Marsh, 101 Park Ave., New York, school, Highwood Ave. $150,000.

N. Y., New York—LIBRARY—Bd. Trustees, New York Pub. Library, 42nd St. and 5th Ave., sketches by Carrere & Hastings, 52 Vanderbilt Ave., 3 story, brick, steel addition. $2,000,000.

N. J., Blairstown—HIGH and GRADE SCHOOL—Bd. Educ. plans by J. Vreeland, 16 West Blackwell St., Dover, 2 story, basement, brick, steel, plain found., $150,000.

N. J., Ventnor (br. Atlantic City) — SCHOOL — Bd. Educ., M. Mantick, secy., Troy Ave., plans by H. A. Stout, Guarantee Trust Bldg., Atlantic City, 2 story, basement, 150 x 172 ft., rein.-con., brick, plain found. $275,000.

N. J., West Grantwood—SCHOOL—Bd. Educ., Boro Hall, Cliffside, plans by Cadien & Pierson, 545 Gorge Rd., Grantwood, 2 story, basement, brick, steel, plain found.

N. J., Wyckoff — SCHOOL — Bd. Educ., C. C. Vanderhoff, Twp. Hall, sketches by Tooker & March, 101 Park Ave., New York, 2 story, basement, brick, steel, plain found., Grand View Ave. $150,000.

Pa., Sewickley — ACADEMY — Sewickley Academy, Sewickley, and W. G. Eckles Co., archts., Lawrence Bd. of Trade Bldg., New Castle, soon lets contract 3 story, basement, brick, steel, Academy Ave. $350,000. Noted June 28.

O., Columbus—FINE ARTS—Columbus Gallery of Fine Arts plans by C. A. Platt, 101 Park Ave., New York, 2 story, limestone, marble, 478 East Broad St. To exceed $150,000.

Mo., Normandy—CONVENT—Convent of Incarnate Word, 4 story, basement, 133 x 43 x 61 x 87 x 45 ft., rein.-con., brick, granite, Normandy Ave., to Hercules Contg. Co., Wainright Bldg., St. Louis. Est. $150,000.

Tex., San Antonio—CHAPEL and DORMITORY — St. Joseph's Orphanage, c/o Catholic Diocese, St. Mary's St., soon takes bids 3 story, 66 x 166 ft. dormitory, 2 story, 60 x 100 ft. chapel, brick, stone, tile, rein.-con., Conception Rd. near Mitchell St. $160,000. L. M. J. Dielmann, 306 East Commerce St., archt.

Bids Desired

Mass., Framingham — SCHOOL — Town, C. A. Potter, chn. School Comn., Beaumont Bldg., taking new bids 2 story, basement, brick, stone, plain found., Beacon and Leland Sts. $150,000. Former bids rejected. E. I. Wilson, 109 State St., Boston, archt. Noted Aug. 23.

Mass., Nantucket — HIGH SCHOOL — Oct. 1, by Little & Russell, archts., 20 Newbury St., Boston, 2 story, basement, rein.-con., brick, stone, plain found., Academy Hill, for Town, Bd. Selectmen. $180,000. Noted Aug. 23.

Conn., East Hartford (br. Hartford)—SCHOOL—Oct. 9, by Town, R. R. Powers, chn. com., 2 story, basement, brick, steel addition, incl. gymnasium and auditorium. $200,000. Whiton & McMahon, 805 Main St., Hartford, archts.

N. Y., Elmsford—SCHOOL—Oct. 5, by Bd. Educ., Dist. 9, Town of Greenburgh, 2 story, school. $250,000. Knappe & Morris, 171 Madison Ave., New York, archts. Noted Sept. 6.

N. Y., New York—SCHOOL—Oct. 9, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 96, Waring Ave. from Olinville to Barker Aves., for Bd. Educ., 500 Park Ave.

N. J., Glen Ridge—SCHOOL—Bd. Educ., 235 Ridgewood Ave., bids about Oct. 1, general contract 2 story, basement, brick, steel, plain found., Forrest Ave. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts.

Pa., Phila.—SCHOOL—Oct. 2, by Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., 2 story, basement, 44 x 140 ft., rein.-con., brick, plain found., Byberry Rd. and Stevens St. I. T. Catharine 19th and Chestnut Sts., archt.

La., Independence — HIGH SCHOOL — Tangipahoa Parish School, c/o W. J. Dunn, supt., Amite, bids about Oct. 7, 2 story, rein.-con., brick, stone high school. $150,000. R. H. Goodman, Bank of Baton Rouge Bldg., Baton Rouge, archt. Noted July 26 under "Amite."

Ky., Bowling Green—HIGH SCHOOL—Oct. 2, by Bd. Educ. at office superintendent, Junior High School, 3 story, fireproof, incl. gymnasium. Marr & Holman, 702 Stahlman Bldg., Nashville, Tenn., archts.

Mich., Eloise—HOME—Oct. 3, by H. H. Prenzlauer, secy. Wayne Co. Superintendents of Poor, City Service Bldg., Detroit, 3 story, basement, concrete, brick, steel, stone addition to terrace building, Michigan Ave. $150,000.

Mich., Detroit—SCHOOL—Oct. 1, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, 63 x 75 ft., rein.-con., brick, steel, stone, plain found., Pembroke Ave. $175,000. A. A. Howe, 120 Madison Ave., archt.

Ill., Calumet City—HIGH SCHOOL—Bd. Educ. bids about Oct. 5, 2 story, 125 x 150

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Buildings—Education, Religious

ft., brick, stone addition. $200,000. H. F. Beck, 159 East Ontarion St., Chicago, archt.

Kan., Junction City—SCHOOLS—Oct. 8, (extended date), by Secretary-Treasurer Bd. Educ., for Washington School, 2 story, basement, 85 x 133 ft., Franklin School, 2 story, basement, 86 x 133 ft., Senior High School, 3 story, basement, 157 x 173 ft., all brick, rein.-con., stone. Felt, Dunham & Kriehn, 300 West 47th St., Kansas City, Mo., archts. Noted Sept. 20.

N. D., Minot—SCHOOL—Oct. 9, by Bd. Educ., J. C. Lund, clk., 3 story, basement, rein.-con., brick, Bedford stone school. $200,000. Bugenhagen & Molander, Minot, archts. Croft & Boerner, 1004 Marquette Ave., Minneapolis, associated archts. Noted May 17.

Tex., Amarillo — CHURCH — Oct. 4, by Ferrano & Fitch, archts., 6188 Delmar Blvd., St. Louis, Mo., and G. A. Carlander, associated archt., 1015 Fisk Medical & Professional Bldg., 4 story, basement, 140 x 204 ft., brick, stone, steel, rein.-con., Tyler and 13th Sts., for First Baptist Congregation, 9th and Polk Sts. $400,000.

Contracts Awarded

Mass., Everett (br. Boston)—SCHOOL—City, D. W. Murdock, chn. School Building Com., and McLaughlin & Burr, archts., 88 Tremont St., Boston, 2 story, basement, 140 x 160 ft., brick, stone, plain found., to Bond Bros., 79 Ferry St. Est. $160,000. Noted Aug. 30.

Mass., Quincy — (Ind. br. Boston) — SCHOOLS—City, Pub. Building Dpt., two 2 story, basement, rein.-con., brick, steel to Franklin Bros. Co., Inc., 30 Mystic Ave., Medford, $279,500. Est. $300,000. Noted Sept. 6.

Mass., Winchester — CHURCH and PARISH HOUSE—First Baptist Church, B. F. Brown, chn. building com., 2 story, basement, 110 x 170 ft., brick, granite, plain found., Washington and Mt. Vernon Sts., to L. W. Oakes, Inc., 193 Pilgrim Rd., Boston. Est. $150,000 or more.

Conn., Ansonia — CHURCH — Immanuel Church, T. J Shannon, pastor, 1 story, basement, Jackson St., to Chas. Smith & Sons, Inc., 254 Main St., Derby. Est. $150,000.

Conn., Torrington — CHURCH — St. Maron's Church, P. Risk, pastor, 1 story, basement, 45 x 150 ft., brick, stone, steel, to C. Longhi & Son, 180 Hoffman St. Est. $150,000. Noted Dec. 22.

N. Y., Brooklyn — COMMUNITY CENTER—G. W. Iser, archt., 56 West 45th St., New York, community center, to Fredburn Constr. Corp., 7 East 44th St., New York, for East Flatbush Center, c/o M. Weingrad, 11 Linden Blvd. Est. $250,000. Noted Mar. 29.

N. Y., Garden City — SCHOOL — Bd. Educ., F. Lambeer, pres., 2 story, altering and constructing school, addition to J. J. Dixon, Roosevelt. Est. $150,000. Noted Apr. 24, 1924.

N. Y., New York—MEDICAL LABORATORY—Rockefeller Institute, Medical Research, 4 story, brick, steel, Exterior St. and Avenue A, to Marc Eidlitz & Son, 41 East 42nd St. Est. $250,000.

N. Y., New York—SCHOOL—Church of Holy Family, U. C. Nageleisen, rector, Blackrock and Castle Hill Ave., general contract school, to Thomas J. Waters Co., 415 Lexington Ave., $400,000. Noted Aug. 23.

N. Y., Port Chester — SYNAGOGUE — Keneseth Tifereth Israel Congregation, brick, rein.-con., stone, to Mertz Co., 145 Horton Ave. Est. $160,000. Noted May 17.

N. Y., Ticonderoga—SCHOOL—Bd. Union Free School Dist. 5, W. W. Jeffers, pres., general contract school, to Cuplex Constr. Co., Bolton. Est. $300,000. Noted July 12.

N. Y., Valhalla—SCHOOL—Bd. Educ., Mt. Pleasant, North Castle and Greenburgh, school, to T. A. Miller, 4 Highland Ave Est. $180,000.

N. J., Bordentown—DORMITORY—State Bd. Educ., Trenton, 3 story, basement, 65 x 161 ft., brick, steel, to G. H. Evans, Inc., 1416 Vine St., Phila., Pa. Est. $150,000. Noted Aug. 23. Plumbing, heating and ventilating, to S. W. Peters, Woodbury; electrical work, to Standard Electrical Co., Trenton.

N. J., Hightstown — HALL — Peddie School, general contract Austin Colgate Hall, 3 story, basement, brick, steel, plain found., to Matthews Constr. Co., Princeton. Est. $150,000.

N. J., Oradell — HIGH SCHOOL — Bd. Educ., Pub. School Kinderkomalk, general contract Junior High School, to L. Infante, 2222 Westervelt Pl., Lodi, $227,775. Noted Aug. 30.

Pa., Coudersport — CONSISTORY CATHEDRAL — Coudersport Consistory, J. G. Convey, East 2nd St., general contract 1 and 2 story, 130 x 176 ft., brick, steel, to Benz Eng. Corp., Salamanca, N. Y. Est. $150,000. Noted Mar. 15.

Pa., Erie—HIGH SCHOOL—Bd. Educ., R. S. Scobell, secy. and bus. mgr., general contract West High School, 2 story, 131 x 389 ft., brick, steel, concrete, to Upton & Lang, Erie, $848,113; heating, to A. B. Garvey, Erie, $112,000.

Pa., McKeesport—SCHOOL—Bd. Educ., general contract 2 story, basement, brick, steel, Sumac St., to E. H. Canon, Jenkins Arcade, Pittsburgh. Est. $300,000. Noted July 9.

Pa., Meadville — DORMITORY — Allegheny College, general contract 3 story, basement dormitory, to Sessinghaus & Ostergard, Erie. Est. $200,000.

Pa., Monessen — SCHOOL — Bd. Educ., general contract 2 story, basement, brick, steel school, to Dick Constr. Co., Clairton, $115,700. Noted Aug. 9.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., general contract 4 story, basement, 75 x 115 ft., rein.-con., brick, plain found., Huntingdon and Edgemont Aves., to P. H. Kelly 1713 Sansom St., $192,000.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., general contract 3 story, basement, 132 x 164 ft., rein.-con., brick, plain found., Ridge and Monastry Sts., to R. S. Herzog, 10 South 18th St., $328,530; heating, to Mechanical Equipment Co., 214 South 12th St., $36,494.

Ky., Louisville—CHURCH—Holy Trinity Church, Kentucky and Schiller Aves., A. C. Zoller, pastor, general contract dome shaped 81 x 134 ft., rein.-con., cut stone, brick, to Natl. Concrete Constr. Co., Bd. of Trade Bldg., $138,000; electrical work, to T. Jansen Co., 511 West Main St., and plumbing & Heating, to L. E. De Runtz, 1436 Rufer Ave., totalling $60,000. Noted Nov. 17, 1927.

Tex., Huntsville — LIBRARY — Texas Teachers College, c/o Bd. of Regents, M. O. Flowers, chn., Lockhart, 3 story, brick, tile, rein.-con., to Jopling Constr. Co., Fidelity Union Bldg., Dallas, $160,000.

Federal Government Work

Proposed Work

N. J., Raritan—QUARTERS and HOSPITAL—Constructing Quartermaster, Raritan Arsenal, sketches non-commissioned officers' quarters and hospital, Raritan Arsenal.

D. C., Wash. — SEAWALL FOUNDATIONS — U. S. Engineer Office, rip rap seawall foundations for Anacostia Park, Rock Creek and Potomac Parkway.

Wyoming—ROAD—Bureau Pub. Rds., Custom House, Denver, Colo., bids early in 1929, grading, surfacing 4.5 mi. Sect. 1-B, Norris Junction-Madison Junction Natl. Park Hy., Yellowstone Natl. Park. J. W. Johnson, Denver, Colo., dist. engr.

Bids Desired

Me., Rumford—WATER PIPING—Oct. 8, by Treas. Dpt., at office Supervising Archt., Wash., D. C., at U. S. Post Office.

Pa., Phila.—GRADING, etc.—Oct. 1, by Constructing Quartermaster Depot, 21st St. and Oregon Ave., grading, drainage, concrete paving portion roadway in Philadelphia Natl. Cemetery, Haines St. and Limekiln Pike, Germantown.

Delaware—RADIO MASTS—Spec. 5141—Oct. 3, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., radio masts at Cape Henlopen and Bethany Beach. Noted Sept. 13.

Delaware and Maryland—DREDGING—Oct. 8, by U. S. Engineer Office, Wilmington, Del., 131,000 cu.yd. in Reery Point, Del., entrance to Island Waterway from Delaware River to Chesapeake Bay, (Chesapeake and Delaware Canal); adv. E. N.-R. Sept. 27.

Md., Baltimore—DREDGING—Oct. 24, by U. S. Engineer Office, 300 Custom House, 210,000 cu.yd. Baltimore Harbor and channels; adv. E. N.-R. Sept. 27. Noted Aug. 23.

D. C., Wash.—MARINE ENGINE—Oct. 1, by Commissioner Fisheries, Dpt. Commerce, 150 hp. full diesel Marine engine.

Va., Elko—KITCHEN—Oct. 1, by Quartermaster Supply Officer, Wash., D. C., kitchen addition, at Superintendents Lodge, Glendale Natl. Cemetery.

W. Va., Huntington — HORSES and PROPS—Oct. 24, by U. S. Engineer Office, steel horses and props; adv. E. N.-R. Sept. 27.

North Carolina—DREDGING—Oct. 22, by U. S. Engineer Office, Wilmington, 151,700 cu.yd. sand and mud in Neuse and Trent Rivers; adv. E. N.-R. Sept. 27.

N. C., Wilmington—BARGES—Oct. 22, by U. S. Engineer Office, constructing 3 steel barges; adv. E. N.-R. Sept. 27. Noted June 28.

La., Arabi—LODGE—Oct. 5, by Quartermaster, Jeffersonville, Ind., brick lodge at Calmette Natl. Cemetery.

Illinois—RAILROAD—Oct. 20, at office Constructing Quartermaster, Savanna Ordnance Depot, Savanna, approximately 1,350 lin.ft. standard gage railroad track; adv. E. N.-R. Sept. 27.

Ill., Milan—AQUEDUCT, etc.—Oct. 17, by U. S. Engineer Office, Federal Bldg., Rock Island, aqueduct with emergency valves, levees with culverts, raising, extending highway bridge, all in connection with proposed diversion of Mill Creek, under I & M Canal into Rock River; adv. E. N.-R. Sept. 27.

Wyoming — ROAD — Oct. 9, by Bureau Pub. Rds., Custom House, Denver, Colo., grading 3.91 mi. Sect. B, Granite Creek-Shell Natl. Forest Hy. Project, Big Horn Co. J. W. Johnson, Custom Bldg., Denver, Colo., dist. engr.

Tex., Houston—DREDGING—Oct. 17, by U. S. Engineer Office, Galveston, Buffalo Bayou between Houston Ship Channel turning basin and mouth White Oak Bayou; adv. E. N.-R. Sept. 27.

Tex., San Antonio—WELL—Constructing Quartermaster taking bids drilling 12 in. water well, at Randolph Flying Field.

N. Mex., Fort Stanton—RESERVOIR—Oct. 16, by Treas. Dpt., at office Supervising Archt., Wash., D. C., at U. S. Marine Hospital.

Ariz., Nogales — PAVING — Oct. 10, by Treas. Dpt., at office Supervising Archt., Wash., D. C., paving.

Oregon—ROAD—May 1, by Bureau P. Rds., Dpt. Interior, Natl. Forest Park Service, 316 New Post Office Bldg., Portland, grading, improving 12 mi. Babb-Many Glacier Surfacing, and 7 mi. Sun Camp-St. Mary's Junction Project, both Glacier Natl. Park.

Bids Received

Pa., Phila.—GENERATOR—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 18, motor generator for U. S. Mint, from Strang Electric Co., 214 South 7th St., $23,850. Noted Aug. 30.

Fla., Fort Barrancas—PAVING—Quartermaster Depot, Jeffersonville, Ind., 3,600 sq.yd. bituminous concrete paving approach roadway at Barrancas Natl. Cemetery, from E. M. Chadbourne, Pensacola, repairing base and constructing surface at $1.30 per cu.yd., stone or gravel in excess 50 cu.yd. $2.25 (45 days).

Mich., Detroit—HOSPITAL—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 13, main building and garage at U. S. Marine Hospital, from Ring Constr. Co., 95 South 11th St., Minneapolis, Minn., $395,380; mechanical equipment, from Pittelkow Heating & Eng. Co., 2340 West Lafayette St., $132,990. Noted Aug. 23.

Neb., Omaha—WATER PIPING—Treas. Dpt. at office Supervising Archt., Wash., D. C., Sept. 18, water supply piping in U. S. Post Office, Court and Custom House, from J. L. Powers, Bennettsville, S. C., $4,300. Noted Sept. 13.

Tex., Corsicana—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash. D. C., Sept. 14, extending and remodeling U. S. Post Office, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $71,488. Noted Aug. 23.

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 461 Market St., San Francisco, Sept. 11, grading 12.1 mi. Sects. A and B, Route 23, Blairsden-Quincy Natl. Forest Hy., Plumas Co., from A. Milne, Portland, Ore., $61,966 est. $67,960.

Contracts Awarded

R. I., Providence—DREDGING—U. S. Engineer Office, 183,000 cu.yd. Pawtucket River, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., $47,420. Noted Aug. 2.

N. Y., Governors Island (br. New York)—BARRACKS—Constructing Quartermaster, 1 barracks building at Fort Jay, to James McWilliams, Inc., 55 West 42nd St., New York, $1,186,520. Noted Sept. 20.

N. Y., Patchogue — DREDGING — U. S. Engineer Office, 1st Dist., Army Bldg., Whitehall St., New York, channel in Great South Bay (Patchogue River), to W. H. Gahagan Realty Co., Inc., 147 Remsen St., Brooklyn, $10,535. Noted Aug. 30.

Pa., McKeesport — DREDGING — U. S. Engineer Office, Pittsburgh, channel in Youghiagheny River, to Monongahela & Ohio Dredging Co., Oliver Bldg., Pittsburgh, $36,115. Noted Aug. 2.

Pa., Pittsburgh—WARDS—Treas. Dpt. at office Supervising Archt., Wash., D. C., additional wards at U. S. Marine Hospital,

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Federal Government Work (Continued)

to Theriault Constr. Co., 534 East Johnson St., Phila., Pa., $4,734. Noted Sept. 13.

Pa., Sayre—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Post Office, to A. C. Samford, 301 Washington St., Montgomery, Ala., $70,680. Noted Sept. 13.

Tenn., Memphis—LEVEE WORK—U. S. Engineer Office, 212,000 cu.yd. levee work, to Bunnell & Mack, Paragould, Tenn.; Piece 1 $3,360, Piece 2 $4,320, Piece 6 $6,975; to Keel & Keel, Newport, Ark., Piece 3, $13,500; to Brown, Denison Contract Co., Piece 4, $2,300; to F. D. Harvey, 688 South Bellvue St., Piece 5, $6,728; to O. M. New Co., Conway, Ark., Piece 7, $10,440, Piece 8, $3,200, Piece 9 $13,500. Grand total $64,323.

Tenn., Memphis—STEEL BARGES—U. S. Engineer Office, 1st and 2nd Mississippi River Dists., to American Bridge Co., Frick Bldg., Pittsburgh, Pa., $313,200; to Riter Conley Co., Oliver Bldg., Pittsburgh, Pa., $317,857; to Dravo Constr. Co., Neville Island, Pittsburgh, Pa., $326,400. Grand total $957,457. Noted Aug. 16.

Ind., Jeffersonville — WALL—Constructing Quartermaster, stone wall at Zachary Taylor Natl. Cemetery, to E. L. Williams, Anchorage, Ky., $9,965. Noted Aug. 2.

Ill., Chicago—DREDGING—U. S. Engineer Office, in Calumet Harbor and River, to Fitz Simmons & Connel Dredge & Dock Co., 10 South La Salle St., $36,513. Noted Aug. 16.

Texas—DREDGING—U. S. Engineer Office, Galveston, channel from Galveston Harbor to Texas City, to Orleans Dredging Co., 323 Guaranty Bldg., Galveston, $70,625. Noted Aug. 2.

Colorado — ROADS — Bureau P. Rds., Custom House, Denver, grading roads in Montezuma Co. ,to Salle Constr. Co., Rico, $68,458; in Larimer Co., to W. F. Pigg & Son, Inc., 420 Commercial Bldg., Denver, $25,453. Noted July 26 and Aug. 16.

C. Z., Coco Solo—SEAPLANE HANGARS—Spec. 5661—Bureau Yards & Docks, Navy Dpt., Wash., D. C., seaplane hangars to Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., $178,750 (330 days). Noted Sept. 20.

Unclassified

Proposed Work

HANGAR and ASSEMBLY PLANT — **Provincetown, Mass.**—American Motorless Aviation Co., Cornhill, Box 411, or J. C. Penney, Jr., 330 West 34th St., New York, hangar and assembly plant. Private plans.

DOCKS, BULKHEAD and WALLS — **Brooklyn, N. Y.**—Waterfront Serv. Corp., 26 Court St., docks, bulkhead and walls. $750,000. Moore & Dunford, 110 East 42nd St., New York, engrs.

DOCKS and WHARVES — **Brooklyn, N. Y.**—Brooklyn Terminal Stores, Inc., c/o C. M. Rechenberg, 225 West 34th St., New York, docks and wharves. $200,000. Engineer not selected.

LOADING PLATFORMS and STORAGE —**New York, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., 1 story, 33 x 150 ft. loading platforms, storage, 161st St. and Morris Ave. $30,000.

BARGE TERMINAL—**Stillwater, Minn.**—City, C. A. Lammers, clk., preliminary plans barge terminal, incl. 372 ft. pile, timber trestle, on St. Croix River. $32,000. J. Abercrombie, city engr.

GAS PIPE LINE—**Wyoming and Utah**—Prairie Oil & Gas Co. (subsidiary Standard Oil Co. of New Jersey, 26 Bway., New York) and Ohio Oil Co. (subsidiary Standard Oil Co. of Louisiana, 2134 St. Charles Ave., New Orleans, La.), plan 350 mi. 12- to 22-in. pipe line between Hiawatha Dome, Wyo. and Salt Lake City, Utah. $20,000,000. Ford, Bacon & Davis, 39 Bway, New York, engrs. for survey.

AIRPORT—**Bristow, Okla.**—City airport. $50,000. W. J. McKenzie, Bristow, engr.

GAS SYSTEM—**Cheyenne, Okla.**—Taylor-Easterling Co., Kennedy Bldg., Tulsa, preliminary plans natural gas system. $25,000.

GAS SYSTEM—**Chickasha, Okla.**—J. B. Nichols, Chickasha, preliminary plans natural gas system, distribution system. $100,000. Private plans.

GAS SYSTEM—**Mt. Park, Okla.**—Taylor-Easterling Co., Kennedy Bldg., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

GAS SYSTEM—**Olustee, Okla.**—Lone Star Gas Co., 1915 Wood St., Dallas, Tex., preliminary plans natural gas system. $25,000. Private plans.

STREET LIGHTING—**Seattle, Wash.**—Bd. P. Wks. received no bids Sept. 14, street lighting system on 1st Ave. S. $68,479. Will readvertise. W. D. Barkhuff, city engr.

OVERHEAD CROSSING — **California** — State Hy. Dept., Sacramento, 2 rein.-con. overhead crossings, one over North Western Pacific Ry., near Orick and Mad River, Humboldt Co., $75,000; other over Southern Pacific Ry., near Woodland, Yolo Co., $105,000. C. H. Purcell, state hy. engr.

SUBWAY—**Fresno, Calif.**—City, Belmont subway. $300,000. A. M. Jensen, city engr.

TUNNEL—**Los Angeles, Calif.** — City, Sepulveda Blvd. Tunnel under Mulholland Hy. $1,565,000.

WHARF, etc.—**Redwood City, Calif.**—City, 300 ft. wharf, 40 x 100 ft. corrugated iron warehouse. $102,900. C. L. Dimmitt, city engr.

STORAGE TANKS—**Sacramento, Calif.**—See "Buildings-Industrial."

WATER POWER DEVELOPMENT — **Sacramento, Calif.**—Pacific Gas & Electric Co., 245 Market St., San Francisco, developing 48,068 hp. from Bear Creek and Mokelumne River, Amador Co. $7,000,000. Private plans.

BEACH TUNNEL—**San Francisco, Calif.**—City and San Francisco Co., North Beach Tunnel connecting North Beach and Marina sections. $1,520,000. M. O'Shaughnessy, city engr.

GUNITE LINING — **Ventura, Calif.** — Ventura Co. gunite lining 211,242 sq.ft. ditch. C. W. Petit, co. surv.

Bids Desired

STANDPIPE—**Comstock, N. Y.**—Oct. 11, by Dpt. Correction, Home Savings Bank Bldg., Albany, standpipe, incidental work at Great Meadow Prison, Washington Co.; adv. E. N.-R. Sept. 27.

WALLS, etc.—**New York, N. Y.**—Oct. 3, by Comrs. Dpt. Mental Hygiene, Capitol, Albany, constructing walls supporting driveway approaches and coal bunker, at Psychiatric Institute and hospital; adv. E. N.-R. Sept. 27.

REROOFING—**Raybrook, N. Y.**—Oct. 18, by Superintendent Standards & Purchase, Executive Dpt., Capitol, Albany, new roof on Employees Dining Room and Kitchen at State Hospital for Treatment Incipient Pulmonary Tuberculosis; adv. E. N.-R. Sept. 27.

BORINGS—**New Jersey**—Oct. 8, by State Hy. Comn., Trenton, borings on Route 1 Extension, Sects. 5 to 10, Contr. 19, from Bway., Jersey City, Hudson Co. to Lincoln Hy., Newark, Essex Co. A. L. Grover, ch. clk.; adv. E. N.-R. Sept. 27.

LIGHTING SYSTEM—**Long Branch, N. J.**—Oct. 2, by Bd. City Comrs., City Hall, ornamental lighting system on Cedar Ave. from Westwood to Ocean Aves. O. R. Seaman, city engr.; adv. E. N.-R. Sept. 17.

BULKHEAD—**Baton Rouge, La.**—Oct. 9, by State Hy. Comn., 480 ft. creosoted timber south bulkhead for Rigolets Bridge, on Chef Menteur Hy., Orleans Parish.

STREET LIGHTING SYSTEM—**Sacramento, Calif.**—H. G. Denton, city clk., taking bids ornamental lighting system incl. underground system portions Curtis and Montgomery Ways, 8th, 9th Aves. $25,000 or more. S. J. Hart, city engr. Noted June 14.

STEEL ROLLING DOORS—**San Francisco, Calif.**—Oct. 10, by M. H. Gates, secy., State Harbor Comn., Ferry Bldg., 115 or more steel rolling doors for Pier 45. F. G. White, c/o owner, ch. engr.

LIGHTING SYSTEM — **Beverly Hills, Calif.**—See "Streets and Roads."

WHARVES—**Quebec**—Oct. 2, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing wharf, Montmagny, $30,000; extending wharf, St. Etienne de Malbaie, $20,000.

WHARF — **Les Escoumains, Que.** — Oct. 10, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., reconstructing wharf. $30,000.

PIER—**Port Maitland, Ont.**—Oct. 3, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, repairing head block, face timbers west pier. $25,000.

Contracts Awarded

UNDERGROUND CABLES—**Cambridge (br. Boston), Mass.** — New England Telegraph & Telephone Co., Milk St., Boston, underground telephone cables in Bway., Massachusetts Ave., Wendell St. and Upland Rd. $25,600. Owner builds. Private plans.

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5, Route 107, under Schermerhorn St. from Court to Bond St., to Necaro Constr. Co., Avenue C and East 11th St., New York, $5,612,034. Noted Sept. 6.

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Sect. 1, Route 108, Rapid Transit R.R. along and under Jackson Ave. and Northern Blvd., to G. W. T. Constr. Co., Inc., 247 Park Ave., New York, $6,974,731. Noted Sept. 13.

BULKHEAD — **New York, N. Y.** — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bulkhead and foundations, piles and oil storage in connection with extension and addition to Bronx Boro Asphalt Plant, Edgewater Rd., to Riverside Contg. Co., Casanova and Bay Aves., $18,873. Noted Aug. 30.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish in 155th, 163rd, 168th St. Stations, on Washington Heights Line, to Woodcrest Constr. Co., 100 East 45th S., $373,014. Noted May 21.

AIRPORT PASSENGER TERMINAL — **Miami, Fla.**—Pan-American Airways, Inc., 36th and Seaboard Sts., general contract rein.-con., steel, to Sandquist & Snow, Inc., Calumet Bldg., $39,447.

TUNNELS—**Cleveland, O.**—Peerless Motor Car Corp., E. Ver Linden, pres.-genl. mgr., East 93rd St. and Quincy Ave., 200 ft. 5½ x 6 ft. tunnels, to Marsh-Hart Co., 11501 Mayfield Rd. Est. $40,000.

ROCK QUARRY — **Del Rio, Tex.** — Del Rio Stone Co., c/o W. F. Schrader, Del Rio, rock quarry, 3 car per day capacity. $60,000. Owner builds. Private plans.

STREET LIGHTS — **Seattle, Wash.** — Bd. P. Wks., street lights on Fremont Ave., to Kuhns & Devore, 5207 16th Ave. N. E., $27,767; 12th Ave. S., to H. C. Moss, Melhorn Bldg., $71,767.

PLEASURE PIER, etc.—**Long Beach, Calif.**—City, pleasure pier, auditorium fill and appurtenant work, to Hauser Constr. Co., Security Bldg., $959,960. Noted Aug. 16.

Materials

Bids Desired

SAND GRIT, etc.—**New York, N. Y.**—Oct. 2, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sand grit and 1½ in. waterbound macadam stone, broken stone screening.

PUMP and BOILER—**Port Gibson, Miss.**—Oct. 1, by W. L. Allen, city clk., condensation pump, 4,000 ft. radiation, electric type, 25 hp. open bottom locomotive boiler, 125 lb. working pressure of box steel.

SNOW FENCE and POSTS—**Grundy Center, Ia.**—Oct. 1, at office Auditor Grundy Co., 20,000 ft. snow fence, 2,000 fence posts. C. R. Rudisill, Grundy Center, co. engr.

BRIDGE LUMBER, etc.—**Harlan, Ia.**—Oct. 4, at office Auditor Shelby Co., 297,800 ft. untreated Douglas fir bridge lumber, 13,960 ft. creosoted yellow pine piling, 15,000 ft. creosoted southern pine lumber, 2,800 ft. corrugated culvert material, paint. J. P. Camery, Harlan, co. engr.

WATER METERS—**Lone Wolf, Okla.**—City in market fifty ⅝ in. water meters. R. P. Coon, mayor.

WATER METERS — **Weatherford, Okla.**—City in market one hundred ⅝ in. water meters. H. H. Clark, supt. Water Dpt.

PINE PILES—**Los Angeles, Calif.**—Oct. 8, by Supervs. Los Angeles Co., 7,500 untreated Oregon pine piles.

PIPE—**Oxnard, Calif.**—F. B. Pettis, city clk., taking bids 200 ft. 14 in., 500 ft. 12 in., 2,400 ft. 10 in., 600 ft. 6 in., 2,200 ft. 4 in. de Lavauud, mono-cast or other centrifugally c.i. pipe, 12 or 16 ft. lengths, trench-side, Oxnard together with fittings.

Bids Received

PORTLAND CEMENT — **Long Island City, N. Y.** — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Sept. 19, 4,000 bags portland cement, from Hunterspoint Lumber & Supply Co., Anable Ave., $2,600; 60,000 gal. asphaltic macadam binder, from Sun Oil Co., 53-02 11th St., $3,750. Noted Sept. 13.

Contracts Awarded

SNOW FENCE and IRON POSTS — **Hastings, Minn.** — J. M. Langenfeld, aud. Dakota Co. 84,000 lin.ft. slat snow fence, to E. S. Gaynor Lumber Co., 1819 East 3rd St., Sioux City, Ia. at $0.0599 per ft.; eight thousand four hundred 6.5 ft. angle iron posts with anchors, to Lyle Culvert & Road Equipment Co., 171 27th Ave. S., $0.2475 each. Noted Aug. 16.

Foreign

Mexico, Auga Caliente—American Building & Investment Co., 2 story, 120 room addition, 13 bungalow hotel units, bath house, to Wurster Constr. Co., National City Bank Bldg., Los Angeles, Calif. $650,000.

See proposal advertising on page 118

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UNIT PRICES

Bridge—Brenham, Tex.

State Highway Commission, Austin, opened bids Mar. 20, Chapel Hill Brazos River Highway Bridge across Brazos River on State Highway No. 20, Washington Co., Federal Aid Project 513 B. Consists of one 320 ft. and two 126 ft. steel spans on concrete piers, open and pneumatic types, and two 342.5 ft. timber trestles. Includes 1,000,000 lb. structural steel, 100,000 lb. reinforcing steel, 3,000 cu.yd. concrete, 110,000 ft. lumber and 8,000 ft. timber piling. Bidders on Unit I, superstructure and timber approach trestles, are: (A) Kansas City Bridge Co., 1012 Baltimore Ave., Kansas City, Mo.; (B) Austin Bridge Co., Box 1094, Dallas; (C) Wisconsin Bridge Co., North Milwaukee, Wis.; (D) L. E. Meyers & Co., Dallas, Tex., and Chicago, Ill., (awarded contract H-1); (E) Vincennes Bridge Co., Vincennes, Ind. Unit II, substructure, piers 1 and 4 and 2 and 3, Type Z, Design C, rectangular open cofferdam type, (A) L. E. Meyers & Co., (awarded contract); Design B, main piers 2 and 3, pneumatic caisson, base elevation 72 ft., small land piers, elevation bottom of base with concrete foundation piling, (B) Kansas City Bridge Co. Complete unit prices follow. G. G. Wickline, Austin, bridge engineer.

SUPERSTRUCTURE AND TIMBER APPROACH TRESTLES

	A	B	C	D	E
60 236 M ft. B.M. long leaf or short leaf yellow pine	$125.00	$130.00	$130.00	$135.00	$123.00
64 124 M ft. B.M. 12 lb. treated timber flooring and floor details	125.00	130.00	125.00	130.00	123.00
3 948 M ft. B.M. untreated painted timber	105.00	78.00	160.00	190.00	92.00
6,808 lin.ft. 16 lb. treated timber piling	1.40	1.08	1.50	1.43	1.20
282.76 cu.yd. Class D conc. in truss floors	28.00	26.00	30.00	30.00	23.00
43,590 lb. rein. steel in truss floors	.05	.041	.05	.045	.05
980,000 lb. structural steel 1—320 ft. and 2—126 ft. trusses	.0825	.0835	.068	.078	.075
1,200 lb. "lead plates"	.25	.26	.25	.18	.12
1522.2 sq.yd. "bituminous concrete pavement" 2 in. average thickness H-1	2.50	3.00	2.50	1.85	2.25
Alternates					
1522.2 sq.yd. "Amiesite Pavement" H-2	2.00	1.80	2.20	2.00	2.00
1522.2 sq.yd. cold rolled rock asphalt H-3	2.00	1.80	2.10	2.00	2.00
Totals H-1	$120,583	$119,685	$125,788	$116,970	$109,611
Totals H-2	119,821	117,858	125,331	117,198	109,230
Totals H-3	.....	.....	125,178	.....	.....

SUBSTRUCTURE

	A Open Cofferdam	B Pneumatic Caisson
363.8 cu.yd. Class "A" struct. excav. piers 1 and 4 above elevation 120 ft.	$4.00	$3.50
152.72 cu.yd. Class "A" conc., piers 1 and 4	32.00	40.00
51.60 cu.yd. Class "B" conc., piers 1 and 4	24.50	40.00
605.8 cu.yd. Class "B" conc. above elev. 110 ft., piers 2 and 3	23.60	35.00
1,797 cu.yd. pneumatic base conc. below elevation 110 ft., piers 2 and 3	.....	76.00
39,108 lb. reinf. steel all piers	.052	.05
3,360 lin.ft. steel H columns foundation piling, piers 2 and 3	.....	4.00
1,792 lin.ft. precast conc. piling, piers 1 and 4	8.00	6.50
1,782 cu.yd. conc. in base, main piers 2 and 3, below elevation 110 ft	70.00	.....
Totals	$193,557	$194,265

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Highway—Arizona

State Highway Dept., Phoenix, opened bids July 30, Globe-Safford Highway, Federal Aid Project 87-C Lowest three and highest bidders are: (A) Lee Moor Contracting Co., El Paso, Tex., (awarded contract); (B) R. S. Black, Clifton; (C) J. Mulligan, El Paso; (D) Whiting Bros., Tanner & Packard, St. Johns.

	A	B	C	D
34,615 cu.yd. excav. roadway (unclass)	$0.23	$0.45	$0.47	$0.60
7,725 cu.yd. excav. borrow (unclass.)	.23	.30	.47	.37
1,434 cu.yd. excav. structures (unclass.)	1.00	1.00	1.50	1.25
1,818 cu.yd. excav. ditches and ch. (unclass.)	.26	.45	.47	.55
715 cu.yd. dykes	.26	.45	.47	.40
2,807 sta.yd. earthwork overhaul	.04	.04	.02	.05
458 cu.yd. class "A" conc. (C.F.C.)	22.50	24.50	23.50	25.00
105 cu.yd. class "B" conc. (C.F.C.)	22.00	23.00	23.00	24.00
129 cu.yd. plain rip rap (C.F.C.)	3.00	6.00	2.50	2.50
2 cattle guards (C.F.C.)	350.00	350.00	225.00	250.00
396 lin.ft. 24 in. C.M. pipe (C.F.C.)	2.30	2.90	2.50	3.00
28 lin.ft. 30 in. C.M. pipe (C.F.C.)	3.20	3.50	3.00	3.50
186 lin.ft. 36 in. C.M. pipe (C.F.C.)	3.70	4.30	3.80	4.50
960 lin.ft. mesh guard fence (C.F.C.)	1.00	1.25	1.00	1.00
32,055 lb. rein. steel (C.F.C.)	.06	.08	.065	.07
7 cu.yd. conc. removed	5.00	3.00	10.00	10.00
Remove 2 span conc. bridge	300.00	300.00	350.00	500.00
Remove conc. box	150.00	75.00	150.00	250.00
Remove conc. box	150.00	75.00	150.00	150.00
Structures Over 20-Ft. Clear Span				
367 cu.yd. excav. (unclass)	1.00	1.00	1.50	1.25
160 cu.yd. class "A" conc. (C.F.C.)	22.50	24.50	23.50	25.00
10,615 lb. rein. steel (C.I.P.)	.06	.08	.065	.07
Totals	$35,456	$47,108	$47,793	$53,137

Engineering News-Record, Issue of September 27, 1928

Dock Wall—Albany, N. Y.

Eight bids were opened by Albany Port District Comn., Aug. 31, concrete and block dock wall at Westerlo Island, Contr. No. 13, difference between lowest and average, 14 per cent. Lowest three and highest bidders are (A) W. S. Rae, 439 Oliver Bldg., Pittsburgh, (awarded contract); (B) S. J. Grove & Co., White Plains; (C) Scott Bros. Constr. Co., Rome; (D) J. J. Finn & Sons, Albany. Arnold G. Chapman, engineer. Ernest P. Goodrich, consulting engineer.

	A	B	C	D
270,000 hundred untreated cement blocks	$14.00	$20.00	$21.00	$20.00
139,000 hundred treated cement blocks	22.00	24.00	27.00	23.00
3,400 sq.ft. gunite facing	.45	.75	.85	.92
8,200 bbl. portland cement	2.65	2.40	2.35	3.36
1,450 cu.yd. precast conc. blocks	16.25	9.00	11.50	39.74
2,800 cu.yd. Class "A" conc.	14.50	16.00	13.00	17.83
100 cu.yd. Class "B" conc.	12.00	16.00	10.00	17.95
35,000 lb. bar reinforcement	.05	.07	.06	.05
29 ballards, installed complete	48.00	35.00	35.00	64.50
56 cleats, installed complete	22.00	15.00	17.50	16.83
2 48-in. sewer check valves	485.00	250.00	450.00	231.00
1 36-in. sewer check valve	275.00	125.00	350.00	275.00
2 screens for 48 in. sewer outlet	52.50	50.00	75.00	149.00
1 screen for 36 in. sewer outlet	43.50	40.00	65.00	124.00
300 lin.ft. 48 in. sewer installation	4.50	5.00	4.25	7.62
152 lin.ft. 36 in. sewer installation	4.00	4.00	3.50	6.35
335 fender piles	40.00	40.00	35.00	77.50
9 M. ft. B.M. douglas fir	112.00	90.00	125.00	120.65
120 M.ft. B.M. long leaf yellow pine timber	163.00	85.00	175.00	160.00
3 manholes complete	450.00	150.00	150.00	160.00
Totals	$200,046	$201,078	$212,132	$282,694

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Rayon plant, Asheville, N. C., American Enka Corp., plans, $10,000,000.

Street improvement, Portland, Ore., election Nov. 6, $6,209,920.

Education, Harrisburg, Pa., Dpt. Property & Supplies, sketches, $5,000,000.

Apartment, New York, N. Y., Central Park Properties, Inc., plans, $4,000,000.

Stores and office, New York, N. Y., Two Hundred Seventy B'way Corp., plans, $2,500,000.

Grade crossing elimination, Cincinnati, O., election in November, $2,000,000.

Roads, Gainesville, Tex., Cooke Co., defeated, $2,000,000.

Schools, Brooklyn, N. Y., Bd. Educ., New York, plan, $1,835,000.

Schools, Tulsa, Okla., voted $1,750,000.

Apartment, Phila., Pa., S. S. Eveland, takes bids in 6 weeks general contract, $1,500,000.

Power plant and garage, Phila., Pa., Morris Wheeler Co., $1,500,000.

Apartment, New York, N. Y., Ashwood Realty Corp., $1,150,000.

Apartment, New York, N. Y., Three Hundred Thirty Nine Central Park West, Inc., est., $1,000,000.

Cement plant, Pownal, Vt., Commonwealth Portland Cement Co., $1,000,000.

Apartments, Jersey City, N. J., Greater New York Housing Corp., $1,000,000.

Theater, etc., Cleveland, O., A. E. Meade, sketches, $1,000,000.

Bridge, Cincinnati, O., election in November, $1,000,000.

Roads, Cincinnati, O., election in November, $1,000,000.

Bids Desired

Office, Cincinnati, O., Oct. 10 by Garber & Woodward, archts., for owner, $1,500,000.

Bids Received

Waterworks, New York, N. Y., Bd. Water Supply, water tunnel contract 224 from Carleton Co., Inc., $10,582,000; Contr. 225 from Del Balso Constr., $10,900,000; Contracts 226 and 227 from Patrick McGovern Inc., $10,473,000 and $11,439,000.

High school, New York, N. Y., W. C. Martin, archt. & supt., general contract from J. T. Brady & Co., and others totalling $2,856,146.

Theater, etc., Asbury Park, N. J., Bd. City Comrs. from Turner Constr. Co., New York, and others totalling $1,584,250.

Foundations, Wash., D. C., Treas. Dpt., from Consolidated Eng. Co., Baltimore, Md., $1,159,700.

Contracts Awarded

Hydro-electric plant, Augusta, Ga., Savannah River Electric Co., subsidiary Southeastern Power & Light Co., New York, owners build., $20,000,000.

Hospital, etc., Cleveland, O., University of Cleveland, to J. Gill & Sons, $5,650,000.

Office, Kansas City, Mo., C. H. Getchell, to Fridstein & Co., Chicago, Ill., est. $1,500,000.

Office, Minneapolis, Minn., Biglow Building Co. to Wells Bros. Constr. Co., Chicago, Ill., est. $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 184.

Construction News of the Week

Waterworks

Proposed Work

Mass., Boston—City, c/o H. J. Stephens, engr., 152 Market St., Paterson, N. J., waterworks, incl. 1,200 lin.ft. 8 in. c.i. pipe, 5 hydrants, 100,000 gal. storage tank, 35 ft. high, rein.-con. base. $20,000.

N. J., Salem—Mayor and Council water pipe line, pilings from Bway. to Grand St. $16,000. H. C. Keasbey, Salem, engr.

Va., Garden City — Garden City Water Corp., Roanoke, R. R. Fairfax, pres., water supply. $100,000.

La., Winnfield—Surveys purchasing or constructing water and light plants. $100,000. Swanson & McGraw, Balter Bldg., New Orleans, engrs.

O., Seven Hills (br. Cleveland)—Village, watermains. To exceed $15,000. W. H. Evers Eng. Co., Engineers Bldg., Cleveland, engrs.

Mich., Fordson—Extending 8- to 16-in. mains in 8 avenues. $100,000. A. Roth, 2640 Buhl Bldg., Detroit, engr.

Ill., Waterloo — Preliminary plans extensive waterworks improvements, distribution system. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs.

Minn., Baudette—Water and light plant, incl. Diesel engine. $25,000. R. J. Flynn, village recdr.

Tex., San Antonio—For 2½ mi. mains in Palm Heights Sect., for V. W. Mills. The Tracy, Phila., Pa., or c/o City of San Antonio, City Water Bd., $15,000, mostly pipe. Address I. Ewig, city engr. Noted Feb. 16.

Okla., Barnsdall—Barnsdall Oil Co. electric driven water plant on Bird Creek, near here. $60,000. Private plans.

Okla., Duncan — Preliminary plans extending 14,000 ft. 6 in. mains in Lancaster Addition. $17,000. H. Sullivan, Temple, engr.

Calif., Sacramento—Soon takes bids 60 in. by-pass line at city filtration plant between filter basin and high lift pumps. $37,500. S. J. Hart, city engr.

Bids Desired

Mass., Springfield—Oct. 24, at office Winston & Co., 277 Fair St., Kingston, N. Y., clearing 1,150 acres of which 320 acres shall be grubbed in connection and accordance with provisions of Contr. 11 with City of Springfield, for construction Cobble Mountain Reservoir, near Woronoco. J. H. Craig, secy.; adv. E. N.-R. Oct. 4.

R. I., Slatersville—Slatersville Finishing Co. taking bids filter plant. $15,000. C. T. Main, 201 Devonshire St., Boston, Mass., archt.

N. Y., Long Island City—Oct. 5, by J. J. Dietz, comr. Water Supply, City Hall, New York, mains in Bridge Plaza North, 58th, 62nd and 64th Rds., 50th Ave., 11th, 22nd, 59th, 69th, 74th, 80th, 90th Sts.

N. Y., New York—Oct. 5, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains Pelham Parkway South, Featherbed Lane, Edgewater, Boston and Post Rds., DeReimer, Hobart, Nereid, Oxford, Riverdale, Valles, Colonial, Gerard, Mayflflower, Morrison, Underhill, Watson and White Plains Aves., Jarret and Moran Places, East 149th, East 172nd, West 232nd, West 256th, East 156th, East 196th and East 219th Sts.

N. Y., Wanakena—Oct. 16, by Dpt. Educ., Education Bldg., Albany, water supply, at State School of Forestry, St. Lawrence Co. $32,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Md., Baltimore — Bd. Awards, mains in Stevenson Lane, to Ligon & Ligon, 3110 Ridgewood Ave., $115,582; in York Rd., to M. & J. B. McHugh, Citizens Natl. Bank Bldg., $113,520. Noted Sept. 13.

W. Va., Bluefield — See "Contracts Awarded."

Fla., Palmetto—Oct. 22, by City Comrs., pumping plant building, piping, valves, Main Eng. Co. Inc., 112 Baker St., Daytona Beach, engrs.

Miss., Calhoun—Oct. 16, by Mayor and Bd. Aldermen, 28,830 ft. 2 and 6 in. c.i. mains, 15 fire plugs. Morgan & Co., Edwards Hotel Bldg., Jackson, engrs.

Miss., Decatur—Oct. 15, by Mayor and Bd. Aldermen, complete waterworks, distribution system, sanitary sewerage system. $45,000. Morgan & Co., Edwards Hotel Bldg., Jackson, engrs.

Miss., Jackson—Oct. 11, by W. C. Trotter, secy. State Building Comn., reservoir, pump house, deep well, pipe connections for Agricultural & Mechanical College. C. H. Lindsley, Lamar Life Bldg., archt.

Ind., Tipton—Oct. 5, by Common Council, at office N. D. Smith, city clk., motor driven 2 stage air compressor, air and water pipe fittings, electrical wiring, conduit and switches installed for operation.

Mich., Detroit—Oct. 10, by Dpt. Water Supply, 73,000 cu.yd. excav., 10,000 cu.yd. embankment for power structures at Springwells Pumping Station. G. H. Fenkell, Water Bd. Bldg., engr.

Mich., Detroit—Oct. 17, by Bd. Water Comrs., 10,000 g.p.m. electric motor driven centrifugal pumping unit with auxiliary equipment; G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Oct. 4.

Mich., Detroit — Oct. 24, by Bd. Water Comrs., 6,487 ft. Sect. 5, Springwells Tunnel. G. H. Fenkell, genl. mgr. & ch. engr.; adv. E. N.-R. Oct. 4.

Tex., Archer City—Oct. 23, by City, c/o G. H. Bell, secy., waterworks, incl. 100,000 gal. elevated tank, pump houses, machinery, concrete reservoir. Montgomery & Ward, Wichita Falls, engrs. Noted Sept. 20.

Okla., Hobart — Oct. 9, by C. R. Williams, city clk., new purification plant, 7,000 ft. c.i. mains, motor driven centrifugal pump. $46,000. Benham Eng. Co., Perrine Bldg., Cklahoma City, engrs. Noted Sept. 6.

Okla., Tulsa—Bids about Oct. 15, filtration plant at Mohawk Lake. $600,000. V. H. Cochrane, Wright Bldg., Tulsa, and Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Aug. 9.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford Ave. and Bergen St., to N. DeStefano, 378 Woodstock Ave., West New Brighton, $42,995. Noted Aug. 30.

See proposal advertising on page 140

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Buel, Cornelia, Fremont, Henderson and Lincoln Aves., to Knight & DeMicco, Inc., 4197 Park Ave., New York, $15,490. Noted Sept. 6.

W. Va., Bluefield—West Virginia Water Serv. Co., 125 m.g. concrete arch wall type storage dam, 90 ft. high, in Bailey hollow east of Ada dam, lake covering 16 acres land, own forces under supervision E. L. Wilson, mgr. P. Wks. Eng. Corp., 40 Exchange Pl., New York, engrs.

La., Plain Dealing—Mayor, constructing reservoir, foundation and pump house, to C. L. Montgomery, Kaplan, $6,665; c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $15,438; steel pipe, to Dixie Mill & Supply Co., 901 Tchoupitoulas St., New Orleans, $1,831; hydrants, valves, to Columbian Iron Wks., 2501 Chestnut St., Chattanooga, Tenn., $2,613; laying pipe, setting hydrants, to W. H. O'Toole Constr. Co., Shreveport and Monroe, $7,040; water well, to Gray Artesian Co., Pensacola, Fla., $3,789; fire pumps, to Fairbanks-Morse Co., 1000 St. Charles St., New Orleans, $5,580; tank and tower, to Pittsburgh-Des Moines Steel Co., Praetorian Bldg., Dallas, Tex., $4,625. Grand total $47,581. Noted Aug. 30.

La., Sulphur—Mayor and Bd. Aldermen, waterworks, to C. B. Stewart, 406 3rd St., Baton Rouge, $35,300; 50,000 gal. tank, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill.; water well to Layne-Louisiana Co., Sulphur. Noted Sept. 6.

O., Cleveland—Cuyahoga Co., 8,200 ft. 6 and 8 in. c.i. mains Impvt. 1356, to Huron Constr. Co., 640 Huron Rd., $19,113.

O., Maple Heights (br. Cleveland)—Mains in Mendota Ave. and Turney Rd., to Hadded-Mall Co., Schofield Bldg., Cleveland, $16,448; Rovena and Shirley Aves., to N. F. Salem, 14316 Ashwood Ave., Cleveland, $15,713.

Ill., Chicago—Bd. Local Impvts., City Hall, water service pipes in Melvine, South St. Louis, South Hamilton, North Harding, Springfield, Avers and Hamilton Aves., to Reliance Plumbing Co., 2430 West Van Buren St.; Newport Ave., Eddy, Roscoe, Henderson and Melrose Sts., to P. J. Collins, 5521 Bway.; West 50th, 55th, 57th and 58th Places, West 56th, 57th and 58th Sts., to Walsh & Metzgar, Inc., 6828 South Chicago Ave. Noted Sept. 13.

Ill., Dupo — Waterworks extension, distribution system, to Grabbe Constr. Co., Alton, $32,000.

Ill., Park Ridge—For 4- to 8-in. mains, to Nic Santucci, Niles Center, $49,340, est. $59,000; 6- to 10-in. mains, to C. M. Porter, 228 North La Salle St., Chicago, $26,843. Est. $31,500.

Minn., Hibbing—G. P. Kolstad, village recdr., 2 to 3 m.g. concrete reservoir, to Gust Anderson, Hibbing. Est. $50,000-$75,000. Noted Aug. 23.

Minn., Minneapolis — F. S. Gram, city purch. agt., 12,000 lin.ft. 6 in. c.i. pipe 12 ft. and few 24 ft. lengths, to American Cast Iron Pipe Co., 712 Plymouth Bldg., for Water Dpt. $10,661. Noted Sept. 13.

Neb., Lincoln—T. H. Berg, city clk., rein.-con. reservoir at A Street Pumping Station, to R. O. Stake, 802 East 10th St., $56,648; 8 in. vitr. clay sewers in Dist. 321, to G. L. Vlasnik, 1721 South 22nd St., $13,692. Noted July 12.

S. D., Yankton — J. W. Summers, city aud., low service pump houses, water treatment plant, low service discharge line, to Henry Olsen & Sons, Dakota City, Neb., and Ellerman & McLain, Yankton; 3 pumps, deep well, to Fairbanks-Morse Co., 900 South Wabash Ave., Chicago, Ill. Est. $75,000. Noted Aug. 23.

N. D., Grand Forks—For 10 in. c.i. main between pump house and Great Northern Ry. Co. round house, to W. J. Smith, Grand Forks, $22,000.

Mo., California — Waterworks distribution system and sewers, to W. B. Carter, 7 North Rockford St., Tulsa, Okla. Est. $28,000 and $8,000 respectively. Noted Sept. 13.

Tex., Denton—Storage reservoir, to Tibbetts Constr. Co., Neal P. Anderson Bldg., Ft. Worth, $15,700.

Tex., Graham — Constructing reservoir (earth dam), to Womack Constr. Co., Sherman, $141,928. Noted May 3.

Tex., Seguin — P. Tartt, engr., Moore Bldg., San Antonio, 1 m.g. purification plant, to P. Schriewer, Seguin, $36,810. Noted Sept. 13.

Okla., Oklahoma City—Extending 47,800 ft. 8- to 12-in. c.i. mains, to Sherman Iron Wks., 18 East Main St., $65,116. Est. $81,000.

Wash., Edmonds—W. T. Batcheller, Inc., engrs., Dexter Horton Bldg., Seattle, 500,000 gal. steel standpipe or storage tank, 10 mi. distribution mains, incl. fire hydrants, to Monarch Constr. Co., Aberdeen, $105,180. Est. $150,000. Noted Aug. 30.

California — Hynes-Clearwater Water Dist., 94 fire hydrants and gate valves for waterworks in Hynes or Clearwater to Rensselaer Valve Co., Wright-Callendar Bldg., Los Angeles, $4,490 and $4,808 respectively; 100,000 gal. elevated steel water tank, to Pittsburgh-Des Moines Steel Co., 554 South San Pedro St., Los Angeles, $6,860; 4- to 10-in. c.i. pipe, 16 ft. lengths, to American Cast Iron Pipe Co., Detwiler Bldg., Los Angeles, $46,807; laying watermains, to L. Webster, Balboa, $22,266. Grand total $85,231. Noted June 28 under "Hynes."

Calif., Colusa — B. L. McCue, city clk., 150,000 gal. steel water tank, tower, to Chicago Bridge & Iron Wks., Rialto Bldg., San Francisco, $8,560. Noted Aug. 23.

Sewers

Proposed Work

R. I., Providence — City, Dpt. P. Wks., City Hall, soon takes bids 1 story sewage disposal plant, Fields Point Sect. $40,000 or more. T. J. H. Pierce, City Hall, engr. Noted July 26.

Conn., New Haven — Sewers in State, Orange, Court and Grove Sts. $105,000. E. Nettleton, City Hall, engr.

Conn., New London—City, disposal plant, new sewers in Riverside Sect. $65,000. G. E. Watters, City Hall, engr.

N. J., Union — Twp. Com., Town Hall, sanitary sewer in Boston Rd., Tuxedo and Brunswick Pls., Gerard and Windsor Aves., Chicago and Arcadia Sts. $25,000. H. Kreh, Falls Bldg., twp. engr.

Pa., Pittsburgh—See "Strets and Roads."

Ill., Montgomery — Sewers. $40,000. Kelker, DeLeuw Co., 111 West Washington St., Chicago, engrs.

Ia., Burlington — Preliminary plans concrete or brick arch sewer, lateral connections through Bonn's Hollow, Prospect Hill. $70,000. H. A. Vollmer, City Hall, engr.

Minn., Proctor — P. M. McCabe, village recdr., 2 mi. sewers. $30,000.

Neb., Hemingford—Soon takes bids 26,700 ft. 8- to 12-in. sewers, 536 wyes, 63 manholes, 5 standard flush tanks, 1,200 ft. ¾ in. galvanized pipe, disposal plant. $48,913. Henningson Eng. Co., $326-30 Union State Bank Bldg., Omaha, engrs.

Mo., St. Louis—Preliminary plans brick, segmental block and vitr. clay sewers in Stratford Avenue Joint Sewer Dist., $67,000; vitr. clay sewers in Smiley Avenue Joint Sewer Dist., $7,300; vitr. clay storm sewers in Rock Creek Storm Water Sewer Dist. 12, $6,900. W. W. Horner, City Hall, engr.

Okla., Cordell—Preliminary plans sanitary sewer extensions. $25,000. F. F. Ford, Cordell, engr.

Okla., Gotebo—New sanitary sewerage system. $30,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hennessey—Sanitary sewer extensions. $35,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Perry — Sewage disposal plant. $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Aug. 9.

Okla., Thomas—New sanitary sewerage system, disposal plant. $35,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Wash., Clarkston—City Clerk bids within 30 days trunk line sewer, with septic tanks, in greater part city. $106,000.

Calif., Azusa — Treatment plant, trunk lines, outfall sewer. $100,000 bond election soon for same. Currie Eng. Co., Andreson Blk., San Bernardino, engrs. Noted Sept. 13.

Calif., Laguna Beach—Sewerage system in section southeast of Laguna Sanitary Dist. To exceed $25,000. A. J. Stead, city engr.

Calif., Riverside—Westside Storm Drain, 18- to 36-in. pipe, $40,000. R. E. Brown, city engr.

Ont., Hamilton — Council, sewage disposal plant for eastern section city. $193,000. W. L. McFaul, City Hall, engr.

Ont., Oshawa—City Council 1½ mi. 8 in. and up vitr. tile, concrete sewers in Rosedale, Kingsdale, Mitchell and 1st Aves., Leslie, St. Julien, Bloor and Simcoe Sts. $40,000. W. C. Smith, Municipal Offices, engr.

Ont., Sandwich — East Sandwich Twp. Council, covered drain. $125,605. J. J. Newman, Davis Blk., Windsor, engr.

Bids Desired

Mass., Worcester—City, A. B. Holmstrom, supt. sewers, taking bids pumping station, Proctor St. G. A. Johnson, 16 Norwich St., archt.

N. Y., Patchogue — Oct. 16, by Village, Sewer Dist. 1, sewer extension in North Ocean Ave. and Oak St. H. B. Cleveland, 225 Bway., New York, consult. sanitary engr.; adv. E. N.-R. Oct. 4.

N. J., East Orange — Oct. 8, by City Council, L. E. Howley, clk., 8,620 lin.ft. 12 in. to 5½ ft. vitr. or salt glazed drain in Lloyd Brook Valley between Hamilton St. and Bloomfield town line in Lawrence St.

N. J., West Orange—Oct. 16, at Junior High School, Caston Ave., sanitary sewers in area between 1st and 2nd Mountains. A. Potter, 50 Church St., New York, consult. engr.; adv. E. N.-R. Oct. 4.

Miss., Decatur—See "Waterworks."

Miss., Newton — Oct. 12, by Mayor and Bd. Aldermen, sewers in certain streets. P. A. O'Brien, Jackson, engr.

Tenn., Knoxville—Director P. Serv., bids about Oct. 15, 2.5 mi. rein.-con. or vitr. clay trunk sewer, river outfall, in Vestal Sewer Dist., $200,000; 2 mi. William Creek Trunk line serving Park City Dist., $200,000. W. W. Maynette, city engr. Noted Aug. 30.

O., Canton—Service Director bids about Oct. 26, 15 mi. sewers in Fairmont Park area, incl. 12 streets. $153,829. W. E. Sarver, City Hall, engr. Noted May 4.

Mich., Detroit—Oct. 10, by Dpt. P. Wks., City Hall, 5,063 ft. 7 ft. 6 in. to 4 ft. cylinder in Warren Ave. Arm E. Southfield Sewer in Warren Ave.; 4,191 ft. 10 ft. 6 in. to 8 ft. 3 in., West Chicago Arm, Sect. 2, East of River Rouge in West Chicago Ave.; 4,236 ft. 10 ft. 6 in. to 8 ft. 3 in. Tireman Ave., Sect. 2, East of Rouge River in Tireman Ave.; 2,816 ft. 7 ft. to 5 ft. Moffat Ave. Arm East of Fisher Ave. in Moffat Ave.; 2,746 ft. 9 ft. to 5 ft. Regular Ave. Arm West of Cavalry Ave. in Regular Ave.; 538 ft. 5 ft. 6 in. Christiancy Ave. Arm East of Cavalry in Christiancy; 6,676 ft. 11 ft. 9 in. to 6 ft. Rivard Sewer Sect. 1, in Mack, Cadieux and Marseilles Aves.; 5,708 ft. 6 ft. to 2 ft. 9 in. Mack Ave. Arm North of Marseilles Ave.; 5,257 ft. 7 ft. to 4 ft. 6 in. and 2 ft. 9 in. Paul Ave. Arm East of Southfield in Paul Ave. P. A. Fellows, City Hall, engr.

Mich., Grand Rapids—Oct. 10, by F. H. Locke, city mgr., High Level Sewer Contr. V-67, 2,526 ft. 6 x 6 ft., 1,086 ft. 6 x 8 ft. rein.-con. pipe; also rein.-con. deck girder bridge. M. Adams, City Hall., engr.

Ill., Robinson—Oct. 9, by Village, sewage treatment plant, outfall sewers. $56,000. Kelker De Leuw Co., 111 West Washington St., Chicago, engrs.

Tex., Archer City—Oct. 23, by City, c/o H. G. Bell, secy., 1,250 ft. 10 and 12 in. c.i. and 16,861 ft. 6- to 12-in. vitr. clay sewers, sewage treatment plant. Montgomery & Ward, Wichita Falls, engrs. Noted July 26.

Tex., Asherton — Oct. 11, by City, c/o F. E. Shumann, mayor, 21,150 ft. 6- to 10-in. sewers. $25,000. A. P. Hancock, Dilley, resident engr. Noted July 5.

Tex., Dilley—Oct. 10, by City, c/o R. Busby, mayor, sewerage system, disposal plant, incl. 38,500 ft. concrete pipe. $35,000. A. P. Hancock, resident engr. Noted Aug. 2.

Tex., San Antonio — Oct. 15, by City Comrs., 2 mi. 12- to 18-in. vitr. or concrete sewers $28,000, and 1,500 ft. 36 in. c.i. sewers $30,000, in Palm Heights addition. I. Ewig, City Hall, engr. Noted Feb. 16.

Okla., Ada — Oct. 16, by L. Daggs, city clk., sanitary lateral sewers in 5 sanitary Sewer Dists. To exceed $25,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Calif., San Rafael—E. W. Smith, city clk., taking new bids pumping plant, outfall sewer. Former bids rejected. Noted Sept. 20.

Contracts Awarded

N. Y., Dunkirk—Sewage disposal plant, intercepting sewer, 7,000 ft. lake wall, to Thomas-Moore, Inc., 177 Elk St., Buffalo, $697,462. Noted Aug. 23.

N. Y., Mamaroneck — Town Bd., storm water drainage system, to W. B. Freeman, 282 Harrison Ave., Harrison, $48,314. Noted Sept. 20.

N. J., Red Bank — Boro Council, Boro Hall, sewage treatment plant, to H. L. Harrison & Son, 31 Clinton St. Est. $50,000. Noted Aug. 30.

La., New Orleans — Sewerage & Water Bd., 526 Carondelet St., 15,000 kw. turbine with condenser and air cooler, to Western Electric & Mfg. Co., 3308 Gravier St., $281,000; 7 pumps to Dibert, Bancroft & Ross Co., 3400 Tulane St., $138,000. Noted July 12.

La., Plain Dealing—Mayor, 35,815 lin.ft. concrete sewer, to Shearman Concrete Pipe Co., Shreveport, $8,183; disposal plant, laying pipe, to W. H. O'Toole Constr. Co., Monroe and Shreveport, $30,084. Noted Aug. 30.

Constr. News page 178

Gavin Hadden, Engineer, New York City. Northwestern University Stadium, Evanston Ill.

Bates and Rogers Construction Co., Contractors, Chicago. Manholes and Conduits for Commonwealth Edison Co., Chicago.

W. A. Hunt, Architect, Hibbing, Minn. Grand Stand, Hibbing.

T. A. Evans, Chief Engineer, Chicago. Wacker Drive, Chicago.

Fritz-Rumor-Cook Co., Contractors, Columbus, Ohio. Concrete Base for Approach to Union Station, Columbus.

Charles White, Superintendent, Logan, W. Va. East Stratton Street Pavement, Logan.

S. P. Cray, City Engineer, Chippewa Falls, Wis. Duncan Street Bridge, Chippewa Falls.

Hazen Albaugh, Contractor, Berwyn, Ill. Post Office, River Forest, Ill.

R. W. Ambler, Engineer, Chicago Surface Lines. Underpinning for Office Building, Chicago.

Haring Brothers, Contractors, Clinton, Ia. Store Entrance, Clinton.

George H. Hill, Maintenance Engineer, W. Va. Road Commission. Maintenance on State Highway System.

Dohm Construction Co., Contractors, Eveleth, Minn. Eveleth High School.

Birt and Driscoll, Contractors, Decatur, Ill. Pavement Base over Trench, Decatur.

Frank Humphrey, Contractor, Cherokee, Ia. Bridge, Inwood, Ia.

Roth Construction Co., Contractors, Boonville, Ind., Water Reservoir, Boonville.

B. C. Wooley, City Engineer, Le Mars, Ia. Street Intersection, LeMars.

James Gamble Rogers, Architect, New York City. Northwestern University Stadium, Evanston, Ill.

Salo and Wiinimaki, Contractors, Duluth. Michigan Street Concrete Pavement, Duluth.

Fred Lohman, City Engineer, Champaign, Ill. Intersection Church and New Streets, Champaign.

J. C. Nelson and Son, Contractors, Minneapolis. Floor Topping, McGill Lith. Co., Minneapolis.

Appleton (Wis.) Construction Co., Contractors. Addition to Post Office, Waukesha, Wis.

Alfred Brown, Contractor, Holcombe, Wis., Bridge, Chippewa Falls.

Edwin Hancock, Engineer, Chicago. Concrete Intersections, State Highway No. 18, LaGrange, Ill.

John Wilson, City Engineer, Duluth. Concrete Pavements, Duluth.

Mathey Brothers, Contractors, Le Mars, Ia. Hospital Driveway, LeMars.

Charles Brossman, Engineer, Indianapolis. Concrete Reservoir, Boonville, Ind.

J. B. French Co., Contractors, Chicago, Dyche Stadium, Evanston, Ill.

A. Larson Co., Contractors, Eau Claire, Wis. Bridge Approach, Eau Claire.

Rupert Wilson, City Engineer, Logan, W. Va. Street Pavements, Logan.

Frank J. Vester, Contractor, LaFayette, Ind., Floor, Dreyfus Packing & Provision Co., Lafayette.

Grant Ford, Chief Engineer, Wausau, Wis. Car Barn, Wisconsin Valley Electric Co., Wausau.

F. N. Smith & R. C. Emerick, Contractors, Vandalia, Ill. State Street Pavement, Vandalia.

Thomas Cronin Co., Contractors, Pittsburgh. Pavement between Car Tracks, Pittsburgh.

R. H. Fuller, County Engineer, Rock Rapids, Ia. Bridge, Inwood, Ia.

J. D. Campbell, Superintendent, Cleveland. Concrete Floor, Otis Steel Co., Cleveland.

Carl Lash, City Engineer, Martin's Ferry, Ohio. Concrete Intersections, Martin's Ferry.

D. Quakenbush, Superintendent, Batesville, Ind. Filtering Plant, Batesville.

McCloskey and Co., Inc., Contractors, Philadelphia. High School, Philadelphia.

William Sevic, Architect, Chicago. Post Office, River Forest, Ill.

M. P. O'Brien, City Engineer, Decatur, Ill. Concrete Trench Cap, Decatur.

Boone and Easton, Contractors, Bluefield, W. Va. Swift and Co. Building, Williamson, W. Va.

J. T. Ellison, Chief Engineer, Minnesota State Highway Department. Repairs on State Highway System.

Hugo Schmidt, Architect, Chicago Surface Lines. Concrete Work on Office Building, Chicago.

Mid-Continent Construction Co., Contractors, Chicago. Wacker Drive, Chicago.

Dennison Fairchild, Superintendent, Duluth. Northern Pacific R. R. Bridge, Superior, Wis.

Columbia Construction Co., Contractors, Michigan City, Ind. Concrete Pavement, Michigan City.

H. E. Fetterhof, City Engineer, Lewistown, Pa. Concrete Street Intersections, Lewistown.

C. H. Campbell, Asst. Div. Engineer, Logansport, Ind. Pennsylvania R. R. Bridge, Kokomo, Ind.

Braun-Fleming-Knollman and Prior, Consulting Engineers, Columbus, Ohio. Concrete Base for Pavement, Columbus.

M. G. Sollenberger, Contractor, Harrisburg, Pa. Driveway, Hoffman Coal and Supply Co., Harrisburg.

F. C. Reynolds, Construction Supervisor, Chicago. Loading Platform, Lehon Co., Chicago.

Consolidated Engineering Co., Contractors, Wheeling, W. Va. Street Intersections, Martin's Ferry, Ohio.

J. T. Hurd, City Engineer, Eau Claire, Wis. Bridge Approach, Eau Claire.

Virgil Johnson, Engineer, Philadelphia. Junior High School, Philadelphia.

Grogan and Ryan, Engineers, Chicago. Laundry Tubs, Chicago Granitine Co.

Paul R. Hostetter, Contractor, York, Pa. Bridge Approaches, LeMoyne, Pa.

E. H. King, Engineer, Buffalo, N. Y. Tower Foundation, Nat. Aniline & Chem. Co., Buffalo.

Frank A. Somers, Contractor, Urbana, Ill. Concrete Street Intersections, Champaign, Ill.

W. L. Hitt, Engineer, East Pittsburgh, Pa. Westinghouse Electric Co. Building, East Pittsburgh.

S. W. Jonason & Co., Contractors, Aberdeen, S. D. Ward Hotel, Aberdeen.

George F. Steckrath, Contractor, Middletown, Ohio. Filling Station Driveway, Middletown.

Masters-Mullen Construction Co., Contractors, Cleveland. Concrete Driveway, Baltimore & Ohio R. R. Cleveland.

Walter R. Heath, Contractor, Sullivan, Ind. Concrete Foundations for Court House, Sullivan.

Consolidated Engineering Co., Contractors, Wheeling, W. Va. Quarry Street Pavements, Wheeling.

Powers-Thompson Construction Co., Contractors, Joliet, Ill. Concrete Street Pavements, Barrington, Ill.

M. W. Chambers, Architect, East Pittsburgh, Pa. Westinghouse Electric Co. Building, East Pittsburgh.

Howard Dawson, Engineer, Braddock, Pa. Cupola Blower Foundation, Braddock.

Irwin Catherine, Architect, Philadelphia. Junior High School, 18th and Chelton Sts., Philadelphia.

Linn White, Engineer, South Parks Commission, Chicago. Congress Street Bridge, Chicago.

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Sewers (Continued)

O., Lyndhurst (br. Cleveland)—Sewer in Professor Ave., to Galuppi Constr. Co., 949 Stevenson Rd., Cleveland, $25,882.

O., Maple Heights (br. Cleveland)—Sewers in Mendota Ave. and Turney Rd., to Hadded-Mall Co., Schofield Bldg., Cleveland, $26,234; Rowena and Shirley Aves., to N. F. Salem, 14316 Ashwood Ave., Cleveland, $24,525.

Ind., Indianapolis—Bd. P. Wks., Pleasant Run and Keystone Ave. Sewers, to Columbia Constr. Co., 2108 Columbia St., $87,000 and $48,739 respectively. Noted Aug. 23 and Sept. 13.

Mich., Grand Rapids—F. C. Locke, city mgr., West Side Interceptor Ditch, Contr. V-1, to Fry & Kain, 618 Prospect St. N.E., $67,000.

Ill., Chicago — Bd. Local Impvts., City Hall, tile sewers, brick manholes, catch basins in 2 alleys, West 127th, 128th and 129th Places, West 128th and Wallace Sts., Emerald, South Union, Parnell, Normal and Eggleston Aves., to Marcini & Ventrella; West 79th Pl., Lansing, North Cicero and South Union Aves., to F. Peyrot, 4309 North Mason Ave.; Avenue C, Montrose, Culver, North McVickers, Meade, Moody, Melvina, Merrimac, Mulligan, and Narragansett Aves., to M. Pantarelli, 4848 Dakin St.; Avenue B, to O. Scully, 8658 Laflin St.; Monticello and Foster Aves., to L. Scully, 82 West Washington St.; Garland Court, to Contracting & Material Co., 42 East Pearson St.; drains in Hilldale, Forest Glen, North Keating, North Kilpatrick, Kingsdale, Kirby and Kerbs Aves., to Marco De Vito; Indiana Ave., North Lincoln St., East 72nd Pl., 55th, 56th, 57th and 58th Places and Sts., to M. Murphy, 5733 South Peoria St.; West 95th, 100th, East 90th, 95th, 96th and 97th Places, South St. Louis Ave., East 90th, 91st and 97th Sts., to A. Santucci, 916 South Ashland Blvd.; Grover, Ainslie, Gunnison, North Menard and Lyman Sts., Bryn Mawr, Ardmore, North Merrimac, Melvina, Moody, Nagle, Meade, Cicero, McVickers, Logan, Mulligan and Mobile Aves., to Nick Ranieri, 5036 Montana Ave. Noted Sept. 6.

Ill., Park Ridge—For 8- to 36-in. vitr. clay and 42 and 48 in. rein.-con. sewers to Nic Santucci, Niles Center, $113,635, est. $122,735; 12- to 36-in. vitr. and 42 in. rein.-con. sewers, to C. M. Porter Co., 228 North La Salle St., Chicago, $74,391 est. $99,000.

Wis., Madison—See "Streets and Roads."

Neb., Gordon—City Clerk pumping station, Imhoff tank, filter plant, to J. A. Parr, Chadron, $31,672. Est. $30,000. Noted Sept. 13.

Neb., Lincoln—See "Streets and Roads."

Mo., California—See "Waterworks."

N. D., Fargo—A. R. Watkins, city aud., monolithic trunk sewer in 7th St. S. between 2nd and 5th Aves., and from 2nd Ave. and 7th St. across Island Park to Red River, to M. J. Kennedy, Fargo, $33,113. Noted Aug. 30.

Okla., Oklahoma City—For 6,600 ft. storm sewer in May Ave., to W. B. Carter, 7 North Rockford St., Tulsa, $29,886. Est. $38,000. Noted Sept. 6.

Okla., Tulsa—Sanitary Sewer Project 31, to Standard Paving Co., 2119 East 11th St., $72,887. Est. $78,000.

Wash., Seattle—Bd. P. Wks., sewers in Fauntleroy Ave., to McHugh & Coluccio, 517 3rd Ave. N., $27,088; 34th Ave. S. W., to F. Arcocrace, 8423 48th Ave. S., $52,444.

Calif., Los Angeles—Los Angeles Co., 8- to 15-in. D and W sewers in Walker and Baker Aves., Impvt. 773, to Ducich Co., 431 East 82nd St., $81,860.

Calif., Los Angeles—A. D. Soule, secy. Sanitary Dist. 2, Downey-Bellflower Trunk Sewer between Walnut Ave. and Center St., to Mlagenovich & Gillespie, 1029 West 36th St., $24,080.

Waste Disposal

Contracts Awarded

N. Y., Brooklyn—Brooklyn Ash Removal Co. Inc., at office Dpt. Street Cleaning, Municipal Bldg., New York, buildings and superstructure for incinerator plant on Gowanus Canal, to Tilt-Hargan Co., 90 West Bway., New York, $465,000. Noted Aug. 30.

N. Y., Elmira—H. Markson, city clk., City Hall, Sept. 10, mixed refuse incinerator plant, to Hiler Eng. & Constr. Co., 122 Livingston St., Brooklyn, $129,291. Noted Aug. 30.

Tex., Houston—Garbage disposal plant, to Nye Odorless Crematory Co., Macon, Ga., $60,000. Est. $75,000. Noted July 16.

Bridges

Proposed Work

N. J., Somerville—Bd. Freeholders Somerset Co., Court House, preliminary plans steel, concrete bridge over South Branch. $45,000. O. Smith, Court House, co. engr.

O., Dayton—Soon take bids new concrete abutment, new floor, replacing 80 ft. truss span with 30 ft. girder span for bridge on Herman Ave. $25,000. J. F. Hale, city engr.

Minn., Fairfax — State Hy. Comn., St. Paul, concrete, steel bridge over Minnesota River, 7 mi. south of here.

N. D., Fargo—Great Northern Ry. Co., J. R. W. Davis, ch. engr., Ry. Exch. Bldg., St. Paul, Minn., 170 ft. steel truss span bridge with two 420 ft. timber approaches over tracks, on 12th Ave. N. between 20th and 24th Sts.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans 4 span 84 ft. rein.-con. bridge over West Elk Creek near Sentinel, Washita Co. $30,000. C. R. Mandigo, hy. engr.

Oklahoma—Blaine Co. preliminary plans 8 span 170 ft. pile trestle bridge over Deep Canyon near Geary, $30,000—7 span 150 ft. pile trestle bridge over Reblin Creek, near Eagle City, $25,000—2 span 66 ft. bridge over Moose Creek, near Canton, $25,000. C. W. Simonds, Watonga, engr.

Okla., Sayre — Beckham Co., preliminary plans replacing 75 ft. pile bridge with 80 ft. rein.-con. bridge $25,000. R. N. Higgins, Sayre, engr.

Bids Desired

New York and New Jersey—Nov. 5, at office Chief Executive Officer, Port of New York Authority, J. F. Galvin, chn., 75 West St., New York, steel work for Kill van Kull Bridge between Bayonne, N. J., and Port Richmond, N. Y. Noted Aug. 16.

N. J., Kearny (sta. Arlington)—Oct. 10, by Town Council, Town Hall, rein.-con. bridge over right-of-way and Greenwood Lake Division, Erie R.R., on Chestnut St. W. B. Ross, town clk. Noted June 28.

Maryland—Oct. 9, by State Roads Comn., Baltimore, 4 rein.-con. slab bridges, Contrs. Ch-52-55 (inclusive), Charles Co. J. N. Mackall, chn.

Tennessee—See "Streets and Roads."

Kentucky—See "Streets and Roads."

Ohio—Oct. 13, by H. J. Kirk, dir. Hys., Columbus, concrete bridges in Columbiana, Coshocton, Holmes, Lake, Licking, Marion, Montgomery and Williams Counties, $159,871; steel viaduct, approaches on Cincinnati-Dayton Rd., Montgomery Co., $122,963.

Indiana—Oct. 9, by J. D. Williams, dir. State Hy. Comn., Indianapolis, boring 400 lin.ft. 10 test holes for found. bridge over Wabash River at Vigo St., Vincennes, between Knox Co., Ind., and Lawrence Co., Ill.

Ill., Dundee — Oct. 8, by Village, foot bridge over Fox River. Suhr, Berryman, Peterson & Suhr, 130 Wells St., Chicago, engrs.

Ill., Edwardsville — See "Streets and Roads."

Minn., Duluth—Oct. 15, by G. P. Phillips, city comr., 750 ft. vertical lift bridge with 386 ft. span. $550,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., bridge engrs.

Kan., Kingman—Oct. 8, by Clerk Kingman Co., Spivey Bridge, nineteen 20 and 24 ft. concrete slab spans $30,000—twelve 20 x 20 ft. slab span bridge over San Creek $20,000—thirteen 30 x 20 ft. deck girder span bridge over Smoot Creek $30,000—two 350 x 20 ft. Ford type bridges over Smoot Creek. $3,800. C. C. Martin, Court House, engr.

Texas—Oct. 15, by G. Gilchrist, state hy. engr., Austin, timber bridge on Hy. 8, State Aid Project 719-C, Panola Co. $72,000. D. K. Caldwell, Carthage, co. engr.

California—Oct. 17, by State Hy. Dpt., Sacramento, replacing bridges with thirty-nine 19 ft. timber span on pile bent bridge across Ash Creek; twenty-two 19 ft. timber span bridge on frame bents, with concrete pedestals across Barenda Slough, Madera Co. C. H. Purcell, engr.

Bids Received

D. C., Wash. — District Comrs., District Bldg., Sept. 20, steel girder bridge in line of M St. crossing Rock Creek, from Adams & Marina, Old Town Natl. Bank Bldg., Baltimore, Md.; from Ligon & Ligon, 3310 Ridgewood Ave., Baltimore, Md.; from Weeld Constr. Co., Oliver Bldg., Pittsburgh, Pa.; from Frederick Snare Corp., 114 Liberty St., New York, N. Y., from McLean Contg. Co., Fidelity Bldg., Baltimore, Md.; from Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md.; from G. B. Mullin, 1296 Upshur St.; from Farris Eng. Co., Empire Bldg., Pittsburgh, Pa. Noted Aug. 23.

Contracts Awarded

R. I., Pawtucket—City, Eng. Dpt., City Hall, 210 ft. rein.-con., and granite bridge, on Exchange Pl., to Cruise Constr. Co., 19 Dexter St., $194,142. Noted Sept. 27.

Conn., North Windham—New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, rebuilding concrete, steel bridge, to V. N. Famiglietti, 202 Bway., Providence, R. I., $50,000.

N. Y., Rye—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, stone, rein.-con. bridge, on Boston Post Rd., Cross Country Parkway, to M. Marinelli, Pondfield Rd., Bronxville, $97,409. Noted Sept. 13.

N. J., Trenton—Mercer Co., 3 bridges over Stoney Brook, at Glen Moore, to W. Driver, Slack Ave., Slackwood, $57,875. Noted Sept. 12.

Pa., McDonald—Washington Co., Court House, Washington, general contract 1 span, 44 ft. concrete encased bridge, 23 ft. over Raccoon Creek 10, to Patriello Bros., Brownsville. Est. $35,000. Noted Aug. 2.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, general contract repairing Shaw Hollow Bridge, on Fleming Park Rd., to Booth & Flinn, Ltd., Forbes St., $24,159. Est. $30,000.

Virginia—Eastern Virginia Bridge Co., C. W. Ward, pres., 2314-A Grove St., Richmond, transferred franchise to Highway Bridges, Inc., 57 William St., New York, who has awarded contract steel toll bridge, 9 truss spans ranging in length from 295 ft. simple spans near shore to central cantilever span of 478 ft. over main channel, steel grider viaduct at each end, across York River between Yorktown and Gloucester Point, to McClintic-Marshall Constr. Co., Oliver Bldg., Pittsburgh, Pa. Est. $2,500,000. Noted Nov. 3, 1927.

W. Va., Morgantown—Monongalia Co., superstructure 1 span bridge, to E. R. Mills, Covington, Ky., $91,000.

Ohio—H. J. Kirk, dir. Hys., Columbus, 2 span concrete bridge over Plum Run, and 3 span arch bridge over Lake Fork Creek, Holmes Co., to Elsass-Myer Constr. Co., Anna, $48,180—3 span steel truss bridge over Tuscarawas River, and 5 span beam bridge over Wheeling & Lake Erie R.R., Tuscarawas Co., to Canton Sand & Gravel Co., Canton, $67,927 and $22,944 respectively. Grand total $139,051. Noted Aug. 23.

Michigan—H. G. Oakes, resident engr., Cadillac, M. Bridge 1 of 45-5-1, C-1, to W. J. Anschutz, Saginaw, for State Hy. Dpt., Lansing. $50,835. Noted Aug. 23.

Michigan—G. D. Tramp, resident engr., Crystal Falls, M. Bridge 1 of 55-7-21, C-6, Menominee Co., to L. A. Davidson, Flint, $24,801 incl. cement; and C-4, to J. E. Hinman & Son, Glenwood City, $63,606, for State Hy. Dpt., Lansing.

Michigan—At Macomb Co. Road Office, Mt. Clemens, R. Bridge 1 of 50-6-25, for State Hy. Dpt., Lansing, Contr. 1, to McClintic-Marshall, 1242 Book Bldg., Detroit, $13,569; Contr. 2, to Swingle & Robinson, Columbus, O., $105,695. Noted Sept. 6.

Mich., Orion—For 75 ft. span rein.-con. bridge, 36 ft., to Stokes & Whittingham, 439 Penobscot Bldg., Detroit. Est. $25,000. Noted Sept. 6.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Cook Co., to R. Mann, 2331 Charles St., Rockford, $60,216—Effingham Co., to Casey Constr. Co., Casey, $40,619—Effingham Co., to Continental Bridge Co., 460 Monadnock Blk., Chicago, $5,874—Johnson Co., to W. H. Shons Co., 11 South Liberty St., Freeport, $3,246—Vermilion Co., to Zimmerly Bridge Co., Paris, $1,769—Cass Co., to M. C. Robinson, Girard, $10,964—Henderson Co., to C. D. Stratton, Little York, $9,000. Grand total $131,688. Noted July 5.

Iowa—State Hy. Comn., Ames, high truss bridge in Dubuque Co., to Uhlrich-Paley Co., Dubuque $19,998—high truss bridge with approaches in Emmet Co., to Snyder & Johnson, Humboldt, $20,830 — raising pony truss bridge and adding approaches, Lucas Co., to C. J. Kramme, Ft. Dodge, $6,681 — I-beam bridge O'Brien Co., to Humphrey & Son, Cherokee, $4,000—2 culverts in Emmet Co., to Milford Constr. Co., Estherville, $1,809—24 culverts, extensions in Keokuk Co., to Wallace Lumber Co., Sigourney, $8,188—1 box culvert Washington Co., to Iowa Bridge Co., 1901 Eastern Blvd., Des Moines, $3,190—extra concrete paving approaches to bridge O'Brien Co., to Humphrey & Son, Cherokee, $17. Grand total $64,713. Noted Sept. 13.

Nebraska—See "Streets and Roads."

N. D., Grand Forks—State Hy. Comn., Bismarck, bridge over Red River of North on De Mers Ave., to Minneapolis Bridge

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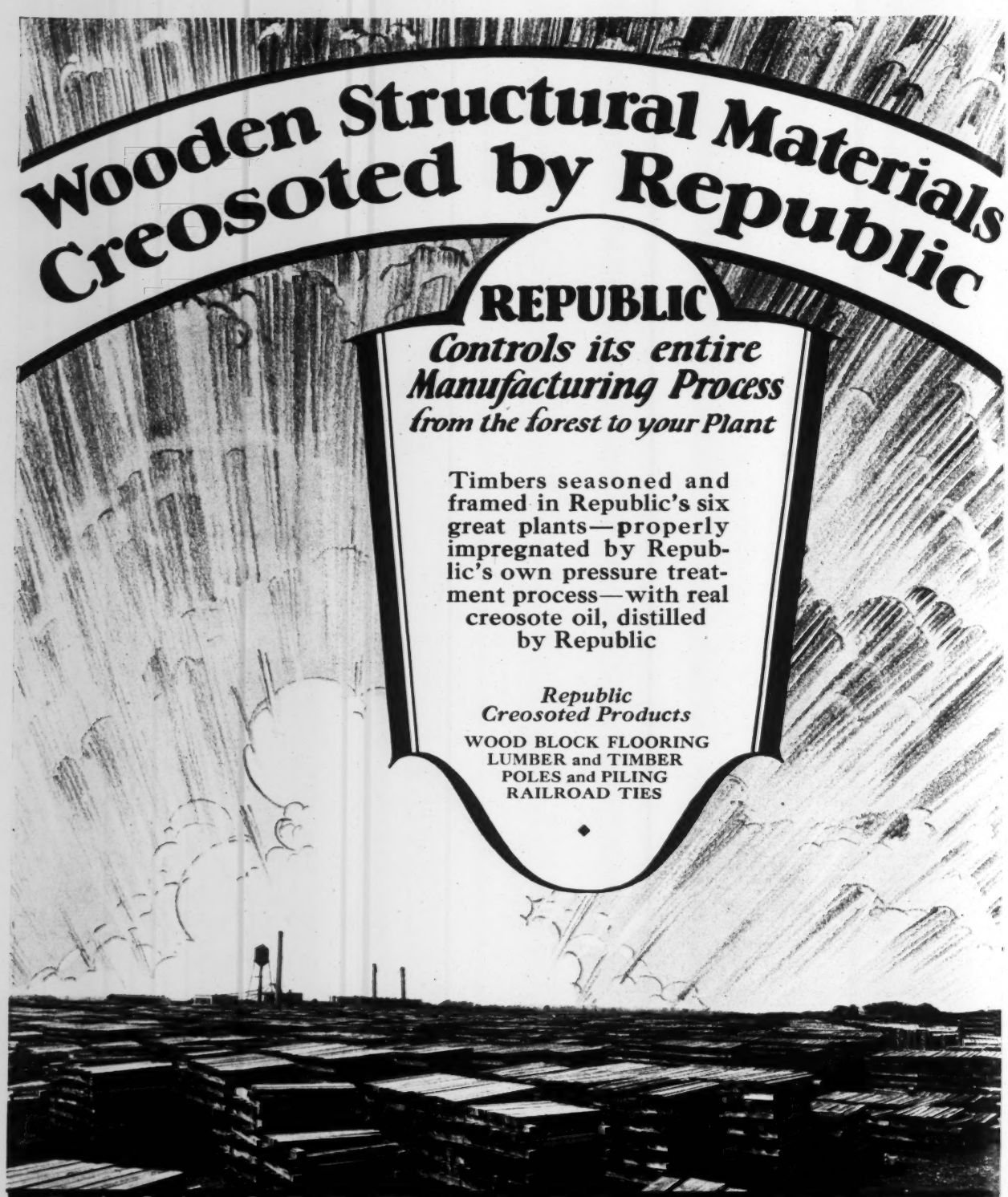

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Bridges (Continued)

Co., 924 Metropolitan Life Bldg., Minneapolis, Minn., for North Dakota Hy. Comn., Bismarck, and Minnesota Hy. Comn., St. Paul, Minn. $318,413. Noted Sept. 20.

Mo., Courtney—National Toll Bridge Co., c/o J. G. White & Co., 37 Wall St., New York, substructure for bridge over Missouri River, aJckson and Clay Counties, here, to Union Bridge Constr. Co., 1205 Midland Bldg., Kansas City. Noted May 10.

Mo., Herman—National Toll Bridge Co., c/o J. G. White & Co., 37 Wall St., New York, substructure for bridge over Missouri River, to Foundation Co., 120 Liberty St., New York. Noted May 10.

Arkansas—State Hy. Comn., Little Rock, 9 rein.-con. deck girder bridges, Hy. 71, Sect. 12, Scott Co., to Williamson & Williams, Batesville, $77,689.

Texas—G. Gilchrist, state hy. engr., Austin, rein.-con., bridges in Kinney Co., to E. Artmann, P. O. Box, 672, Giddings, $38,143 est. $41,400; in Ellis Co., to F. P. McElwrath, Corsicana, $22,288 est. $25,000. Noted Sept. 13.

Tex., Ft. Worth — City, c/o O. E. Carr, mgr., rein.-con. bridge across Lake Worth, to L. T. Stanford, 1217 St. Louis St., $200,000.

Oklahoma — State Hy. Dpt., Oklahoma City, 6 span 86 ft. rein.-con. bridge, at Meeker, Lincoln Co., to E. E. Mastin, Chandler, $23,434. Est. $25,000. Noted July 26.

Okla., Dawson — Tulsa Co. (Tulsa) 4 span 90 ft. rein.-con. bridge to Standard Paving Co., 2119 East 11th St., $30,467. Est. $35,000.

Okla., Oklahoma City—Oklahoma Co., 8 span 126 ft. rein.-con. bridge at Witcher, to G. W. Williams, Herskowitz Bldg., Oklahoma City, $20,652—9 span 132 ft. rein.-con. bridge at Edmond, to Maney & Alley, Empire Bldg., $23,616. Est. $25,000 each.

Arizona — State Hy. Comn., Phoenix, bridge on Project 40, Navajo Co., to Levy Constr. Co., 1521 West 13th Ave., Denver, Colo., $75,543.

Arizona — State Hy. Comn., Phoenix, LeRoux Wash and Cottonwood Wash Bridges, to Levy Constr. Co., 1521 West 13th Ave., Denver, Colo., $34,422 and $83,097 respectively—238,857 gal. asphaltic oil on Federal Aid Project 86-A (reopened), to Gilmore Oil Co., 2423 East 28th St., Los Angeles, Calif., $14,499. Grand total $132,018.

Calif., Long Beach—East 2nd Street Bridge, to S. M. Kerns, 1403 East Anaheim St., $69,000.

Calif., Redding—State Hy. Dpt., Sacramento, 2 rein.-con., girder bridges, one over Valley Creek, 42 mi. west of here, other over Indian Creek on Weaverville Lateral Hy. near Redding, Shasta Co., to J. P. Brennan, Redding, $22,431. Noted Aug. 23.

Calif., San Jose—Rein.-con. bridge over Guadalupe Creek, on San Antonio St., to N. R. Nicolson, California Hotel, $27,900.

Dams

Bids Desired

N. Y., Buffalo—Oct. 11, by G. Fisk, comr. Pub. Wks., Municipal Bldg., repairing dam in Cazenovia Creek, at Cazenovia Park. C. E. P. Babcock, city engr.

N. Y., Rifton—See "Contracts Awarded."

Contracts Awarded

N. Y., Rifton — Central Hudson Gas & Electric Corp., 50 Market St., Poughkeepsie, sturgeon pool dam, day labor. $130,000. C. T. Main, 201 Devonshire St., Boston, Mass., engr.

W. Va., Bluefield—See "Waterworks."

Railways

Bids Desired

Texas—Rio Grande Ry., L. E. Beadle, ch. engr., Brownsville, and Port Isabel Transportation Co., Point Isabel, taking bids on grading for 50 mi. line between Brownsville and San Benito. $150,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Fla., Hollywood—Broward Port Comn., 2,900 ft. seawall around slip 1, and north and south side Port Everglades, 27 in. thick, 4 ft. high, 6 ft. above mean low water. $37,000.

Louisiana — Bd. State Engineers, Court Bldg., New Orleans, rejected bids Sept. 4, levee work on Cypremort Levee, Atchafalaya River, St. Martin Parish.

Ill., Tamalco—District organizing, c/o F. Osterkamp, secy., preliminary plans 6 mi. main and 2 mi. lateral ditches draining 8,430 acre tract in Bond Co. $50,000-$75,000. H. Baumberger, Greenville, engr.

Tex., Port Aransas — See "Buildings — Industrial."

Bids Desired

Mass., North Adams—Oct. 9, by Dpt. P. Wks., Boston, excavating 7,000 cu.yd., removing 400 cu.yd. isolated boulders from north branch Hoosac River, for Commonwealth of Massachusetts, Boston, W. F. Williams, comr.

Ill., Colfax — Oct. 13, by Comrs. Martin Twp. D. D., McLean Co., at office A. M. Hester, Colfax, 12,921 ft. 12- to 20-in. drain tile, excavation, backfilling, concrete retaining wall, 4 brick manholes. Bell & Hare, Blomington, engrs.

Wash., Tacoma—Comrs. Pierce Co. bids about Oct. 17, dredging, improving Hylebos Waterway. $35,000. C. H. Votaw, Tacoma, engr.

Calif., Brentwood—Oct. 16, by M. Wallace, secy. Contra Costa Irrigation Dist., 3 in. concrete lining 250,000 sq.ft. Main Lateral 4, North.

Calif., Chico—Oct. 16, by G. B. McDougal, state archt., Sacramento, 2,500 cu.yd. excav., 250 cu.yd. concrete founds., 378 ft. 14 and 20 in. concrete piling for State Teachers College, Administration Building. $25,000. Noted Sept. 27.

Calif., Oroville—Oct. 15, by W. J. Munro, secy. Croville-Wyandotte Irrigation Dist., 8,650 cu.yd. excav., 4,570 ft. 16 and 18 in. welded iron and 5,132 ft. 14 to 22-in. red wood continuous stave pipe.

Calif., Turlock—Oct. 15, by A. Sorensen, secy. Turlock Irrigation Dist. improving Dist. 5, incl. 2 in. concrete lining 63,250 sq.ft. canal, constructing 15 concrete structures, 2 timber bridges, etc.

Contracts Awarded

Ind., Princeton — Gibson Co., Joseph L. Emerson Drainage System, 379,420 cu.yd. excav., to H. E. Williams, Owensville, Ind., and F. Grundon, Ft. Dodge, Ia.

Ill., Pittsfield—Sni Island Levee & Drainage Dist., 3,959,503 cu.yd. excav. with draglines and floater dredge, Adams, Pike and Calhoun Counties, to Mulgrew & Son, Dubuque, Ia., and M. W. O'Meare, Quincy, at $0.08 per cu.yd.

Calif., Potter Valley—Potter Valley Irrigation Dist., 100,000 lin.ft. main and 85,000 lin.ft., lateral canal excav., to J. Currie, 1100 Peninsula Ave., Burlingame, $73,174.

Calif., Turlock—A. Sorensen, secy. Turlock Irrigation Dist., 557,307 sq.ft. 2 in. concrete canal lining, to Carlson Bros., Turlock, at $0.105 per sq.ft. Noted Sept. 20.

Ont., Collingwood—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging, to Weddell & Birmingham, Trenton, $64,000.

Streets and Roads

Proposed Work

Mass., Boston—Dpt. P. Wks. constructing Hano St. and Brayton Rd. as highway to Newton boundary line. $25,000 or more. J. H. Sullivan, comr.

Mass., Boston—Dpt. P. Wks., widening Exchange St. $50,000 or more. J. H. Sullivan, comr.

N. Y., Buffalo — Bd. Supervs. Erie Co., Court House, asphalt paving 1 mi. extension C.A.T.H. 82, Concord. $30,000. G. Diehl, Ellicott Sq., co. engr.

N. J., Belleville (br. Newark)—Bd. Town Comrs., Town Hall, preliminary plans grading, 7½ in. rein.-con. paving Holmes St. $55,000. A. S. Blank, town engr.

N. J., Clifton—Bd. City Council, City Hall, preliminary plans sheet asphalt paving widening Lakeview and Van Houten Aves. $25,000. J. L. Fitzgerald, city engr.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, 6 in. bituminous macadam paving Marcy St. $25,000. F. H. Campbell, city engr.

N. J., Hillside (sta. Elizabeth) — Twp. Com., Municipal Bldg., curbing, sheet asphalt on 6 in. concrete repaving Belleview Terrace and Morris Pl. $50,000. H. Kreh, Falls Bldg., twp. engr.

N. J., Hillside (sta. Elizabeth)—Twp. Com., Municipal Bldg., preliminary plans grading, sheet asphalt on 6 in. concrete or 9 in. rein.-con. paving Bauer Terrace and Georgian Court. $25,000. C. Luster, 286 North Broad St. engr.

N. J., Hillside (sta. Elizabeth) — Twp. Com., Municipal Bldg., curbing, sheet asphalt on concrete paving Bway., Wolf Pl., Winanco and Hiawatha Aves., Arthur, Myrtle and White Sts. $175,000. C. Luster, 286 North Broad St., twp. engr.

N. J., Irvington (br. Newark)—Bd. Town Comrs., Town Hall, preliminary plans grading, widening, sheet asphalt on concrete paving Ball St. from Clinton to Nye Aves. $25,000. J. J. Casey, Jr., town engr.

N. J., Jersey City—Bd. City Comrs., City Hall, preliminary plans grading, sheet asphalt on concrete paving Mill Rd. between Wayne and Academy Sts. $25,000. C. A. Van Keuren, city engr.

N. J., Lawrenceville — Lawrenceville Twp. Com. concrete paving 1.5 mi. Federal Rd. $37,000.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, preliminary plans sidewalks on Paterson Turnpike. $25,000. R. B. Glenn, town engr.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, preliminary plans grading, curbing, sidewalks, sheet asphalt or clipped block paving Hoboken St., Columbia Ave. and Bolve Terrace. $59,559. R. B. Glen, town engr.

N. J., Orange — Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Hillside Ave. and South Jefferson St. $32,000. J. Crane, city engr.

N. J., Paterson—Bd. Freeholders Passaic Co. Court House, preliminary plans grading, sheet asphalt paving Snake Hill Rd. $25,000. G. Ferguson, Court House, co. engr.

N. J., Paterson—Bd. City Comrs., City Hall, preliminary plans grading, penetration macadam paving East 27th and East 19th Sts. $25,000. H. J. Harder, city engr.

N. J., Paterson — Bd. Pub. Wks., City Hall, penetration macadam paving Market, East 26th and East 27th Sts. $25,000. H. J. Harder, city engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, bituminous macadam paving Snake Hill Rd. $25,000. G. Ferguson, Court House, co. engr.

N. J., Roselle (Ind. br. Elizabeth)—Boro Council, Boro Hall, preliminary plans sheet asphalt on concrete or rein.-con. paving Watson, 10th, 3rd, Drake, Sheridan, West 4th and East 3rd Aves. $208,000.

N. J., Roselle (Ind. br. Elizabeth)—Boro Council, Boro Hall, grading, sheet asphalt on 6 in. concrete paving East 3rd St. from Chestnut St. to Chandler Ave. $50,000. W. Van Wagoner, boro engr.

N. J., Secaucus (Ind. br. West New York) —Bd. Town Council, Town Hall, sheet asphalt on concrete repaving Farm Rd., Central and Hopps Lanes, Maple and Born Sts. $25,000. Engineer not selected.

N. J., Tenafly—Bd. Boro Council, Boro Hall, widening, sheet asphalt paving Highwood Ave. from Hillside Ave. to County Rd. $39,000. W. G. Clark, 9 Hillside Ave., engr.

N. J., Woodbridge—Bd. Boro Council, Boro Hall, grading, 7 in. rein.-con. paving Windsor Rd., Cliff and Way Sts. $25,000. H. D. Allen, 810 Broad St., Newark, boro engr.

N. J., Wyckoff — Twp. Comn., Fire House, preliminary plans grading bituminous macadam paving Lafayette Ave. $25,000. C. Christy, Quackenbush Ave., boro engr.

Pa., Pittsburgh—Grading, curbing, paving North Aiken Ave. between Columbo and Black Sts., 38 ft. $29,000. Dpt. P. Wks., City-County Bldg., engrs.

Pa., Pittsburgh—Grading, curbing, storm sewer, paving McNeilly Ave. $32,300.

W. Va., Charleston — Kanawha Co. rejected bids Sept. 25, concrete paving 1,575 sq.yd. Tuppers Creek Rd. Project 217. C. M. Ross, Court House, co. road engr.

N. C., Chadburn—Paving Main St. and 2nd Ave. $25,000 bonds voted for same.

O., Cleveland—Bd. Comrs. Cuyahoga Co. paving Brookpark-Wyatt and Warrensville-Center Rds. To exceed $200,000. F. Lander, Court House, engr.

O., Youngstown—Bd. Control soon takes bids widening Mahoning Ave. $75,000. G. Turner, city engr.

Ind., Bloomfield—Comrs. Greene Co., concrete paving 1.7 mi. F. E. Dyer Rd. $51,000. G. R. Hudson, Bloomfield, aud.

Ind., Vincennes—Comrs. Knox Co., concrete, brick or asphalt paving 0.61 mi. Edward Boswell Rd. $27,000. G. W. Donaldson, Vincennes, aud.

Ill., Lawrenceville—Soon takes bids grading, curbing, concrete paving, 6,543 ft. 10- to 30-in. vitr. clay and rein.-con. storm water system in 7th, 10th, 11th and 16th Sts. $56,500. R. Willis, City Hall, engr.

Ia., Cedar Rapids—Asphaltic concrete on 5 in. concrete or 7 in. one course rein.-con. paving 16,300 sq.yd. $35,000. F. E. Young, city, engr.

Ia., Davenport—Preliminary plans grading, 2 in. asphalt or asphaltic concrete paving 14th St. $39,169.

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Streets and Roads (Continued)

Minn., Austin—Concrete paving 5 or 10 blocks during 1929. $20,000-$30,000. G. L. Brown, city engr.

Minn., Minneapolis — Memorial Park Assn., H. F. Bunnell, mgr., 808 LaSalle Ave., bids in spring probably asphalt paving in Sunset Memorial Cemetery. $120,000. Morrell & Nichols, 1200 2nd Ave. S., engrs.

Minn., St. Paul—Grading center of Midway Parkway between Snelling and Hamline Aves. $46,000—paving South Wabash St. between Delos and Congress Sts. and Humboldt Ave. between Winifred and George Sts. $25,000—South Wabash St. between Mississippi River approach and Channel St. $40,000 — Otis Ave. between Marshall and Summerville Aves. $53,000. J. W. Kelsey, city engr.

Kan., Independence — Montgomery Co. soon takes bids grading, brick or concrete paving 1.105 mi. Federal Aid Project 199, Sect. F—1.22 mi. Road K 16-3, both 18 ft. J. E. Courtright, Court House, engr.

Mo., St. Joseph — Concrete paving 858 sq.yd. Belding St. $3,000—4th St. $38,000—8th St. $28,000—asphaltic concrete paving 895 sq.yd. Angelique St. $1,300—8,400 sq. yd. 6th St. $15,000—3 in. wire brick paving Middleton St. $3,800—Garfield St. and 1 alley, R. Dunlap, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans grading, concrete paving 16,900 sq.yd. alleys in City Blocks 1602, 2431, 2642, 3018, 3611, 4128, 4390BN, 4418AN, 4753, 4878, 5178, 5304, 5489 and 5484. $45,430. W. W. Horner, City Hall, engr.

Mont., Great Falls — Curbing, concrete sidewalks on 2 mi. Black Eagle Dist. $20,000-$30,000. M. L. Morris, city engr.

Texas—State Hy. Dpt., Austin, grading State Hy. 37, Franklin and Wood Counties, $25,000, L. Eblinger, Austin, maintenance engr.—graveling and stone paving 7.17 mi. Hy. 10, Parker and Johnson Counties, $43,620, and 19 drainage structures on Hy. 29, Caldwell Co., $34,265. G. Gilchrist, Austin, hy. engr.

Tex., Houston—City, 3 in. V.T. brick on 6 in. concrete, 3 in. V.T. brick on 8 in. concrete, or 3 in. asphalt on 6 in. concrete paving 15 blocks Houston Ave. from Washington Ave. to White Oak Bayou. $150,000. J. C. McVea, city engr.

Tex., San Angelo — E. V. Spence, city mgr., concrete paving 10 blocks, 40 ft. $25,000.

Oklahoma—State Hy. Dept., Oklahoma City, surveys grading 8 mi. Hy. 23, Craig Co. $25,000—plans concrete paving 22,400 sq.yd. Road 11, Osage Co. $56,000—23,750 sq.yd. U. S. Road 77, Garwin Co. $52,000—21,150 sq.yd. U. S. Road 64, Payne Co. $48,000. C. R. Mandigo, hy. engr.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 31,600 sq.yd. Hy. 11, $75,000; grading 8 mi. Hy. 42, $35,000. C. R. Mandigo, hy. engr.

Okla., Ada—Grading, concrete paving 11,000 sq.yd. Bway. and 18th Sts. $34,820. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Anadarko—Grading, concrete paving 14,200 sq.yd. 1st St. and Kentucky Ave. $41,960. R. O. Bradley, Chickasha, engr.

Okla., Bristow—Creek Co. preliminary plans graveling 9 mi. Road 8, 18 ft. $35,000. J. Gano, Bristow, engr.

Okla., Chickasha — Grading, concrete paving 8,750 sq.yd. Nevada Ave. $29,400.

Okla., Cushing—Preliminary plans grading, concrete paving 9,000 sq.yd. Pawnee Ave. $27,000. G. Estey, Cushing, engr.

Okla., Elk City—Grading, concrete paving 10,100 sq.yd. Thurmond Ave. $32,116. Benham Eng. Co., Perrine Bldg., Oklahoma City, engrs.

Okla., El Reno—Preliminary plans grading, concrete paving 7,750 sq.yd. Miles Ave. $25,000. E. W. Fassett, El Reno, engr.

Okla., Erick—Rejected bids grading, sheet asphalt paving 15,800 sq.yd. West Bway. $62,600. C. A. Wood, Stillwater, engr. Noted May 3.

Okla., Ft. Cobb—Preliminary plans concrete paving 7,700 sq.yd. Bway. and 2nd St. $25,000. A. Rains, city clk. Engineer not selected.

Okla., Lawton—Preliminary plans grading 9 mi. Lake Lawtonka Dr., 30 ft. $45,000. O. E. Noble, Lawton, engr.

Okla., Lone Wolf—Preliminary plans concrete paving 7,100 sq.yd. Bway. and A Sts. $29,000. H. Sullivan, Temple, engr.

Okla., Oklahoma City — Oklahoma Co. preliminary plans grading 9 mi. Mustang Trap Rd., 30 ft. $30,000. R. S. James, Court House, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,200 sq.yd. Dewey Ave. $25,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,600 sq.yd. Laird Ave. $25,880. W. W. Small, City Hall, engr.

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Okla., Ponca City—Preliminary plans grading, concrete paving 9,200 sq.yd. McFadden Ave. $27,600. H. W. Crawford, Ponca City, engr.

Okla., Sayre—Beckham Co. preliminary plans grading 8 mi. Rd. 12, 30 ft., $25,000; grading, graveling 10 mi. Rd. 11, 18 ft., $35,000. R. N. Higgins, Sayre, engr.

Okla., Shawnee—Grading, curbing, sheet asphalt paving 7,800 sq.yd. North Bway. $33,650. E. T. Archer & Co., 612 New England Bldg., Kansas City, Mo., engrs.

Okla., Talihina—Grading, concrete paving 9,600 sq.yd. Main St. $30,000. A. Foster, city clk.

Okla., Tulsa—Concrete paving 15,750 sq.yd. Jenks Hy. $30,000. H. A. Parker, Court House, engr.

Okla., Tulsa—Preliminary plans wood block surfacing 12,800 sq.yd. West Tulsa Bridge. $35,000. B. M. Hart, City Hall, engr.

Okla., Yale — Grading, concrete paving 9,060 sq.yd. Dist. 7. $29,450. R. Taylor, Yale, engr.

Wash., Seattle — Rejected bids paving Jackson St. et al. Will readvertise. W. D. Barkhuff, city engr.

California—State Hy. Dpt., Sacramento, seal coat surfacing 17 mi. Placer Co. $85,000—grading, surfacing 4 mi. Butte Co., $120,000—grading 14 mi. Nevada Co., $240,000—oiling, surfacing 5 mi. Humbolt Co., $50,000—grading, crushed stone surfacing 9 mi. Lassen Co. $70,000—oil treated crushed rock surfacing 20.9 mi. Sacramento, Humbolt and Lake Counties. $355,000. C. H. Purcell, state hy. engr.

Calif., El Centro—Grading, asphaltic concrete paving 176,999 sq.ft. 8th St. P. W. Knight, city engr.

Calif., San Diego—Common Council grading, watermains sewers, 6 in. concrete paving 184,984 sq.ft. Turquoise and other streets. H. W. Jorgensen, city engr.

Calif., San Francisco—Grading, curbing, sidewalks, 1½ in. asphalt on 8 in. concrete paving 220,030 sq.ft., and 1½ in. asphalt on 6 in. concrete paving 23,611 sq.ft. Sect. E—Bay Shore Blvd. $100,000 or more. M. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., soon takes bids warrenite on asphaltic concrete paving Mt. Pleasant Sub-division. To exceed $25,000. Noted July 19.

Ont., Ottawa—Bd. Control soon takes bids penetration tar macadam paving Glen Ave.; asphalt paving Parent and Pretoria Aves. $37,614. A. F. Macallum, City Hall, engr.

Bids Desired

New Hampshire—Oct. 11, by State Hy. Dpt., Concord, 3 in. bituminous macadam on 8 in. gravel paving 2.35 mi. hy. in Haverhill.

New Hampshire—Oct. 17, by State Hy. Dpt., Concord, 6 in. one course rein.-con. on 8 in. gravel and 3 in. bituminous macadam on 5 in. broken stone or 6 in. gravel paving 2 mi. hy. in Plymouth. $162,000. H. L. Smith, Lakeport, engr.

Massachusetts—Oct. 9, by Dpt. P. Wks., Boston, bituminous macadam paving 17,787 ft. hy. in Groton and Pepperrell. W. F. Williams, comr.

Mass., Boston—Oct. 9, by Dpt. P. Wks., sheet asphalt or bitulithic paving Dudley St., Ward 13. $25,000 or more. J. H. Sullivan, comr.

Connecticut—Oct. 10, by J. A. MacDonald, hy. comr., Hartford, rein.-con. paving 3,975 ft. hy. in Bethel and Danbury—waterbound macadam paving 8,655 ft. Canterbury—20,800 ft. Weston; adv. E. N.-R. Oct. 4.

N. Y., Brooklyn—Oct. 9, by Park Dpt., W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, grading Shore Road Embankment, incl. slopes between point 200 ft. north of 86th and Oliver Sts. Former bids rejected. Noted Sept. 6.

N. Y., Buffalo—Oct. 11, by G. Fisk, comr. Pub. Wks., Municipal Bldg., brick on concrete repaving Springer Ave.; sheet asphalt on concrete paving roadways around Natural Science Museum, Delaware and Turner Aves., Breckenridge, Pontiac and Dundee Sts. C. E. P. Babcock, city engr.

N. Y., Long Island City—Oct. 9, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., New York, completing Richmond Hill entrance, incl. Jackson Pond Impvt., Forest Park, Queens Boro.

N. Y., New York—Oct. 10, by J. Miller, pres. Manhattan Boro, Boro Hall, grading, granite block on concrete repaving 62nd St. and 12th Ave.; sheet asphalt paving 6th Ave.; curbing, flagging, asphalt block on concrete paving Cumming and Cherry Sts.; sheet asphalt on concrete paving Thayer St.

N. Y., St. George — Oct. 10, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving Randall Ave. from Castleton Ave. to Gregg Pl.

Pennsylvania—Oct. 23 and 24, by State Hy. Comn., Harrisburg, rein.-con., bituminous treated macadam paving 83 [illegible] projects in Blair, Bradford, Bucks, Clearfield, Dauphin, Erie, Fayette, Fulton, Greene, Indian, Jefferson, Lancaster, Mercer, Pike, Potter, Somerset, Susquehanna, Washington, Wayne, Westmoreland and York Counties. J. L. Stuart, secy. hys. adv. E. N.-R. Oct. 4.

N. J., Belleville (br. Newark)—Oct. 9, by Town Comrs., Town Hall, improving Franklin Ave., Chestnut, Jefferson and William Sts. J. J. Daly, town clk.

N. J., Elizabeth—Oct. 11, by Bd. P. Wks., City Hall, curbing, sheet asphalt on 6 in. concrete paving Jefferson Ave. from Elizabeth Ave. to East Grand St. $52,000. T. Collins, city engr. Noted Sept. 6.

N. J., Hackensack — Oct. 8, by Hackensack Impvt. Comn., Municipal Bldg., grading sidewalks, 2 in. Topeka on 6 in. stone paving Kaplan, Parker, Simmons, and Rowland Aves. $140,000. F. Campbell, 167 Main St., engr. Noted Aug. 30.

N. J., North Bergen (Ind. br. West New York)—Oct. 25, by Twp. Com., Town Hall, grading, sheet asphalt or reclipped block on concrete paving Hoboken St. and Columbia Ave. $59,559. R. Glenn, twp. engr. Noted Sept. 27.

N. J., Roselle (Ind. br. Elizabeth)—Oct. 5, by Boro Council, Boro Hall, grading, sheet asphalt on 6 in. concrete or 7 in. rein.-con., paving East 3rd St. from Chestnut St. to Chandler Ave. $50,000. W. Von Wagoner, boro engr. Noted Sept. 27.

N. J., South Orange—Oct. 11, by Streets & Hys. Com., Village Hall, curbing, sidewalks, sewers, mains, alternate types paving 4,700 sq.yd. Turrell Ave.—grading, mains, sewers, sidewalks 8 in. rein.-con. paving 7,600 sq.yd. Laurel Pl., Underhill and Overhill Rds.—15,000 sq.ft. sidewalks on Holland Ave. I. T. Redfern, village engr.

Pa., Phila. — Oct. 9, by Dpt. P. Wks., Bureau of Hys., grading, asphalt paving, asphalt, redressed granite block repaving, improving country roads.

Md., Baltimore—Oct. 10, by Bd. Awards, sheet asphalt paving 12,500 sq.yd. Contr. 488. N. L. Smith, hys. engr.

D. C., Wash.—Oct. 5, by District Comrs., District Bldg., asphaltic roadway surfacing on streets.

W. Va., Summersville—Oct. 19, by Nicholas Co., at office County Clerk, grading, draining 7 mi. Duffy Branch-Persinger Rd.; 6.725 mi. Duffy Branch-Hickman School Rd. E. D. Yewell, engr.

Fla., Hialeah—Taking bids rocking, oiling 20 mi. $90,000. J. Knox, city engr.

Alabama—Oct. 17, by State Hy. Comn., Montgomery, gravel surfacing 20 mi. hy. Bullock Co.—10.49 mi. Fayette Co.—10.5 mi. Clay Co.—12.7 mi. Talladega Co.—graveling and topsoiling 12.72 mi. Chambers Co.—sand clay surfacing 12.22 mi. Lowndes Co.—grading, bridging 1.01 mi. Walker Co.—graveling and chert surfacing 13.47 mi. Cherokee Co.—chert surfacing 15.85 mi. Etowah Co.—10.72 mi. Shelby Co.—grading, 6 in. concrete paving 10,413 sq.yd. streets in Montevallo, Shelby Co. W. Finnell, hy. dir.

Ala., Birmingham — Oct. 23, by City Comn., 6 in. concrete paving 5 blocks 9th Court Alley S., 15th Alley S., also Ave. Z and 21st St. Ensley, $17,120—2 in. asphalt on 5 in. concrete paving 2 blocks Prince Ave., 24 ft., $5,000—7 in. concrete paving 5 blocks 26th St. S., 40 ft., $20,575. A. J. Hawkins, city engr.

Miss., Starkville—Oct. 10, by State Building Comn., Bd. Supervs. Oktibbreha Co. and State Hy. Dpt., at Chancery Clerk's office, grading, curbing, various types paving 29,286 sq.yd. A. & M. College campus. G. A. Draper, State Hy. Dpt., Jackson, engr.

Tennessee—Oct. 26, by Dpt. Hys. & P. Wks., Nashville, grading Perry, Monroe, Loudon, Meigs, Henry, Stewart, Hamilton, Gibson, Weakley, Cocke, Henry, Williamson, Washington, Davidson and Moore Counties; bridges in Stewart, Hancock, Clay, Henry, Davidson, Lawrence, Madison, Putman, Gibson, Dickson, Hamilton and Rutherford Counties; adv. E. N.-R. Oct. 4.

Kentucky—Oct. 31, by State Hy. Dpt., Frankfort, grading 2.6 mi. Carter-Caves Rd., S. P. 47-G, Carter Co.—2.7 mi. Millers Mill-Ekron Rd., S. P. 8-F-G, Meade Co.—5.5 mi. Highland Church-Paynesville Rd., S. P. 8-G-G, Meade Co.—9.8 mi. Mt. Olivet-Blue Lick Rd., F. A. 184-A-G, Robertson Co.—surfacing 8.428 mi. McKee-Tyner-Manchester Rd., S. P. 30-A-S, Clay Co.—2 mi. Saylersville-Royalton Rd., S. P. 28-B-S, McCoffin Co.—7.2 mi. Paducah-Wickliffe Rd., S. P. 8-B-S, McCracken Co.—6.9 mi. Sullivan-Clay Rd., S. P. 2½-A-S, Union Co.—portion Bowling Green-Morgantown Rd., S. P. 11-E-S, Warren Co.—resurfacing 7.5 mi. Mt. Carmel-Flemingsburg Rd., S. P. 43-A-G, Fleming Co.—2 overhead crossings, one on Mt. Vernon-Stanford Rd., F. A. 148-BB and other on Russellville-

Streets and Roads (Continued)

Bowling Green Rd., F. A. 156-BB, Lincoln Co. J. S. Watkins, hy. engr.

Ohio—Oct. 13, by H. J. Kirk, dir. Hys., Columbus, grading, concrete or macadam paving 10.566 mi. Columbiana, Hancock, Medina and Mercer Counties. $206,935.

O., Hamilton—Oct. 11, by Comrs. Butler Co., concrete guttering, tar bound macadam paving 12,600 sq.yd. Elstun Rd., 16 ft. $78,-624. E. A. Gast, Court House, engr.

Ind., Indianapolis — Nov. 20, at office Trustees Indiana World War Memorial, M. S. Sountag, pres., 102 War Memorial Bldg., 777 North Meridian St., repaving, widening Michigan and North Sts. in connection with Indiana World War Memorial Structures.

Ind., La Porte—Oct. 13, by Comrs. La Porte Co., improving Charles C. Tryon et al., Rd. $66,776—Charles Wolfe, et al., Rd. $66,402—Charles P. Holton et al., Rd. $63,201—John J. Grams et al., Rd. $35,783 —Rhoda Herrold et al., Rd. $25,080—Albert Jahns et al., Rd. $18,703—William J. Garwood et al., Rd. $12,392. F. A. Hausheer, La Porte, aud.

Ind., Mt. Vernon — Oct. 20, by Comrs. Posey Co., concrete paving 4,467 ft. Samuel J. Miller et al., Rd., Black Twp. $34,360. W. C. Walker, Mt. Vernon, aud.

Ill., East St. Louis—Bids about Dec. 29, grading, curbing, 8 in. rein.-con. paving 12,-740 sq.yd. Lake Ave. $53,200. W. McK. Brown, City Hall, engr.

Ill., Edwardsville — Oct. 8, by Madison Co., grading, concrete slab paving 2.25 mi. roads, 18 ft., $65,000, also 2 bridges, one at Vosterbury $750, other near Godfrey $2,000. W. E. Howden, Court House, engr.

Kan., Garnett—Oct. 11, by J. G. Simmons, clk. Anderson Co., grading, clearing hedge bridges 7.912 mi. Federal Aid Project 304-D, 30 ft. F. T. Bonebrake, Court House, engr.

Kan., Independence—Oct. 16, by L. Kelly, clk. Montgomery Co., concrete paving 25,-384 sq.yd. Federal Aid Project 199-E and F. J. E. Courtright, Court House, engr.

Kan., Paola — Oct. 19, by Clerk Miami Co., grading, culverts 10.973 mi. Federal Aid Projects 213-B and C, 30 ft.; 5.782 mi. Federal Aid Project 293-D, 28 ft. Kansas Eng. Co., Topeka, engrs.

Texas—Oct. 15, by G. Gilchrist, state hy. engr., Austin, asphaltic macadam on stone and gravel conglomerate paving 12.612 mi. hy. Young Co., $198,000—concrete paving and 2½ in. bituminous macadam or concrete on caliche paving 14.73 mi. Carson Co. $270,000—crusher run limestone or limestone gravel second course on gravel paving 13.89 mi. Grimes Co., $144,000—grading 3.621 mi. Panola Co., $30,600—9.685 mi. Comanche Co., $27,000—8.518 mi. Jackson Co., $39,600—19.005 mi. Chambers Co., $66,600.

Tex., Alamo—Oct. 15, by A. W. Cameron, judge Hidalgo Co., Edinburg, grading, concrete paving 36 mi. roads in Hidalgo Co. Rd. Impvt. Dist. 3. $600,000. P. S. Devine, Edinburg, engr. Noted Sept. 20.

Tex., Donna—Oct. 22, by A. W. Cameron, judge Hidalgo Co., Edinburg, grading, paving 45 mi. roads in Hidalgo Co. Road Impvt. Dist. 7. $700,000. P. S. Devine, Edinburg, engr.

Tex., Laredo—Oct. 16, by City, A. Martin, mayor, 2 in. hot mixed limestone rock, warrenite bitulithic, modified Topeka mix, coarse aggregate bituminous concrete or duraco on 6 in. concrete paving 67,000 sq.yd. F. C. Heins, city engr.

Tex., Raymondville—Oct. 20, by Willacy Co. Rd. Dist. 3, c/o A. B. Crane, judge, Bates type concrete or 2 course limestone rock asphalt on concrete paving 5 mi. road. $150,000. J. E. Johnson, Raymondville, engr.

Okla., Altus—Oct. 10, by J. C. McKinley, city clk., grading, concrete paving 6,600 sq.yd. alley and Beech St. $26,732. J. C. Chisum, Altus, engr.

Okla., McAlester—Oct. 8, by H. R. McDonald, city clk., grading, 6 in. concrete paving 8,600 sq.yd. 4th St. To exceed $25,000.

Okla., Oklahoma City — Oct. 9, by M. Peshek, Jr., city clk., grading, concrete paving 9,200 sq.yd. Walker St. $37,910. W. W. Small, City Hall, engr.

California—Oct. 17, by State Hy. Dept. Comn., Sacramento, grading, surfacing 5 mi. road between Fairfield and Nelson's Corner, Solano Co.—grading, waterbound macadam surfacing 1.1 mi. Monterey Co.—grading, bituminous macadam paving 15.4 mi. San Luis Obispo Co.—grading, asphaltic concrete paving 1.3 mi. road between Richmond and San Pablo Creek, Contra Costa Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Calif., Los Angeles—Oct. 15, by Supervs. Los Angeles Co., grading, 8:6:6:8 in. compressed concrete paving 67,177 sq.ft., 8 in. 2,699 sq.ft., and 6 in. oil macadam and disintegrated granite rock paving 69,966 sq.ft. Pomona Blvd., Contr. 296. W. H. Foster, Hall of Records, co. engr.

Contracts Awarded

Maine — State Hy. Comn., Augusta, graveling 2.54 mi. hy. in Palmyra and Pittsfield to Cowetto, Butler & Dionne, Skowhegan, $45,738.

Massachusetts — Dpt. P. Wks., Boston, bituminous macadam paving 33,353 ft. hy. in Clarksburg, Florida and North Adams, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $231,165—5,020 ft. Beverly, to McCarthy Bros., Peabody, $27,354—graveling, oiling 3,800 ft. Westford, to C. Rotondia, 140½ Franklin St., Stoneham, $6,995. Grand total $265,514. Noted Sept. 13.

Mass., Boston—Dpt. P. Wks., J. H. Sullivan, comr., sheet asphalt or bitulithic paving Ceylon St., Ward 14, to J. C. Coleman Sons Co., 1620 Tremont St., $28,249—bitulithic paving Greenfield Rd., Ward 18, to H. F. Malley, 96 Tyndale St., Roxbury, $28,005. Noted Aug. 31.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Dean St. $9,964; East 31st St. $25,957—to J. D. McCoy Asphalt Co., Avenue U and East 57th St., Drew Ave. $3,670—to Carboloc Paving Corp., 50 Court St., Richardson St. $30,820—to B. Turecamo, New Cropsey Lane, East 4th St. $8,169; East 5th St. $9,445; East 12th St. $4,288; East 17th St. $9,606; Mermaid Ave. $6,438; 10th Ave. $10,919; 78th St. $6,151; grading 62nd St. $9,851, Avenue O $3,916, East 2nd St. $10,008—to Grimm Contg. Co., 170 McKinley St., Eldert Lane, $1,615—to J. Casalino, 211 North 7th St., Foster Ave. $11,561. Grand total $162,377. Noted Sept. 6.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Castle Bros., Johnson Pl., grading East 40th St., $2,779—to D. J. McCoy Asphalt Corp., Avenue W and East 57th St., grading, sheet asphalt paving Atkins Ave., $5,595; Berriman St. $7,600; Pulaski St. $2,866; Rockaway Parkway $30,513; 51st St. $2,167; and East 37th St. $10,831—to Uvalde Asphalt Paving Co., 1 Bway., New York, Hopkinson Ave., $20,328. Grand total $82,679. Noted Aug. 30.

N. Y., Brooklyn—Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., New York, improving Ocean Parkway, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $144,525. Noted Sept. 6.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Grimm Contg. Co., 170 McKinley St., grading East 35th St. $2,863 to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving Bristol St. $16,580; Brooklyn Ave. $4,900; East 35th St. $10,380; East 42nd St. $6,476—to D. J. McCoy Asphalt Co., Avenue U and East 57th St., Irving Pl. $26,529—to Uvalde Asphalt Paving Co., 1 Bway., New York, Ford St. $2,457—to B. Turecamo Contg. Co., New Cropsey Lane, Avenue T $2,652; 41st St. $15,641. Grand total $88,478. Noted Sept. 13.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to J. W. Szpantowitcz, 490 Boulevard, grading, sidewalks on 90th Ave. $1,069—to C. Kurth, 9519 126th St., Richmond Hill, Hillside Ave. $180; 97th St. $5,039; 199th St. $2,216—to Meehan Paving & Constr. Co., 90 West St., New York, sheet asphalt paving Queens Blvd. $58,521; 69th Ave. $17,508; Graham Ave. $17,707—to W. P. MacDonald Constr. Co., Lawrence St., Flushing, Cooper Ave. $7,973—to Uvalde Asphalt Paving Co., 1 Bway., New York, Fairview Ave. $9,785; 133rd St., $14,244—to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Queens Blvd. $60,331; 105th St. $7,296—to Cleveland Trinidad Paving Co., Flushing, 52nd Ave. $8,751. Grand total $210,620. Noted Sept. 13.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sheet asphalt paving Northern Blvd. from 157th St. to Auburndale Lane and Northern Blvd. from Auburndale Lane to 206th St., to Cleveland Trinidad Paving Co., Flushing, $119,127 and $138,862 respectively—Northern Blvd. from 206th to 220th Sts., to W. P. McDonald Constr. Co., 7 Lawrence St., Flushing, $125,777—Central Ave., to Uvalde Asphalt Co., 1 Bway., New York, $44,636—grading 162nd St., to J. J. O'Brien, Williams St., New York, $1,079. Grand total $429,481. Noted Sept. 13.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Meehan Paving Co., Inc., 90 West St., New York, sheet asphalt paving Halleck Ave., $4,268—to Uvalde Asphalt Paving Co., 1 Bway., New York, 132nd St. $10,930—to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, 118th St. $20,685; 112th St. $17,063; to Cleveland Trinidad Paving Co., Flushing, Warren St. $21,782; asphalt paving 40th Rd. $4,505; Vandeventer Ave. $18,962—to Peace Bros., Inc., 57 North Lawrence St., Flushing, grading 15th Dr., $4,956—to W. P. McDonald, Lawrence St., Flushing, Nassau Blvd., $102,480—to Welsh Bros. Contg. Co., 32 Queens St., Astoria, 50th Ave. $42,925—to C. Kurth, 37 Brott Ave., Elmhurst, 118th St. $7,439. Grand total $255,995. Noted Sept. 6.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt paving Whitlock Ave., to Asphalt Constr. Co., 2197 Madison Ave., $69,043—East 168th and Hawkstone Sts., to Gaffney Constr. Co., Storey and Hermany Aves., $4,330 and $5,209 respectively — Manor Ave., to Bronx Asphalt Corp., $30,756—Hull Ave., to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., $8,195. Grand total $117,533. Noted Aug. 2.

N. Y., Rye—W. H. Selzer, village clk., Municipal Bldg., paving Newberry Pl., Redfield and Hewlett Sts., Forest, Beck, Stuyvesant Aves., to Barber-Coccola & Lux, 58 Purchase St., $101,108. Noted Sept. 13.

New Jersey—State Hy. Comn., Trenton, grading, concrete paving Bridge Entrance Rd., Route 6, Brooklawn, to E. H. Ellis, Wilson Bldg., Camden, $299,242—4 mi. Cumberland Co., to J. Pangia, Atco, $38,-601—widening 2.35 mi. Keyport-Middletown Rd., Monmouth Co., to H. L. White, Collingswood, $218,211. Grand total $556,054. Noted Sept. 27.

New Jersey—State Hy. Comn., Trenton, grading, 10 in. double line rein.-con. paving Route 17, Sect. 1A, Rutherford-Hackensack Rd., Bergen Co., to C. M. Bristow, 610 5th Ave., Lyndhurst, $169,785. Noted Aug. 30.

N. J., East Orange — Paving Midland Ave., to Standard Bitulithic Co., 50 Church St., New York, $67,980.

N. J., Hawthorne (Ind. br. Paterson) — Bd. City Comrs., Lafayette School, grading, paving Lafayette Ave., to S. Braen, Nelson St., $28,603.

N. J., Hillside (br. Elizabeth)—Twp. Com., Municipal Bldg., grading, 6 in. sheet asphalt on concrete paving Bond St. and Mertz Ave., to J. B. Gilligan-Casey Co., 972 Broad St., Newark, $29,083 and $22,-416 respectively—Conklin Ave., to J. F. Chapman & Son, 1439 North Broad St., Hillside, $27,708—Clark St., to Loprete Asphalt Co., 423 Amherst St., East Orange, $35,584. Grand total $114,791. Noted Aug. 2 and 16.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, asphalt paving, to New Jersey Asphalt & Paving Co., foot Jersey Ave., 81% est. $25,000.

N. J., Linden — City Council, concrete paving Trembly Rd., to L. Di Fransesco, Linden, $30,755. Noted Aug. 23.

N. J., North Plainfield (mail Plainfield)—Boro Council, Boro Hall, grading, curbing, guttering, bituminous macadam paving Catalpa, Tappan and Willow Aves., Chestnut and Warren Sts., to F. Mobus, 292 Watchung Ave., $36,443. Est. $50,000. Noted Sept. 20.

N. J., Rutherford—Grading, 7½ in., bituminous macadam paving College Pl., Rolliver, Elizabeth and Hobart Sts., to Passaic Bergen Contg. Co., Inc., 70 Gaston Ave., Garfield, $73,000.

Pennsylvania—State Hy. Comn., Harrisburg, bituminous treated macadam paving 8,434 sq.yd. Lebanon Co., to J. C. Showalter, Lancaster $20,678—7,600 sq.yd. Clearfield Co., to Milsom & Curtis Constr. Co., Philipsburg $22,632—rein.-con. paving 4,531 ft. Beaver Co., to E. W. Trevorrow, 333 Swank Bldg., Johnstown $79,848—concrete paving 8,400 sq.yd. Bucks Co., to Union Paving Co., 123 South 21st St., Phila. $27,673—20,-300 sq.yd. Berks Co., to Bryant & Kohl, Inc., 19 Perry Lane, Wilkes Barre $88,505—8,300 sq.yd. York Co., to J. B. Trexler, Lewistown $53,770—8,500 sq.yd. Northampton Co., to McInerney & McNeal, 703 Northampton Natl. Bank Bldg., Easton $35,947—7,050 sq.yd. Clinton Co., to A. W. Hinaman, Williamsport $43,988—50,000 sq.yd. Lebanon Co., to J. A. Albright, Penbrook $232,790—2,200 sq.yd. Bedford Co., to T. E. Penrod & Co., Johnstown $9,369—50,200 sq.yd. Chester Co., to Burket Constr. Co., Vineland, N. J. $193,092—15,500 sq.yd. Delaware Co., to Comerford Constr. Co., 1518 Walnut St., Phila. $62,335—15,400 sq.yd. Northampton Co., and 43,300 sq.yd. Lycoming Co., to O. P. Bell Constr. Co., Sunbury, $63,796 and $183,121 respectively. Grand total $1,055,-296. Noted Aug. 23 and Sept. 6.

Pa., Avalon (mail Pittsburgh)—Controller Allegheny Co., Court House, Pittsburgh, vitr. brick on one course concrete widening 4,761 ft. California Ave., 18.25 ft., to Harrison Constr. Co., 2101 Sidney St., Pittsburgh. Est. $75,000. Noted Sept. 6.

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to J. Herzog, 4314 Old York Rd., grading Bayard and Provident Sts. $4,158 —to Morrissey Bros., 4336 North Marshall St., Boyer and Slocum Sts. $8,791; Hunting Park Ave. $4,851—to T. L. Flanagan, 531 East Girard St., Chandler St. $3,508; Tudor St. $620—to Gallagher & Bergan, 4300 Fleming St., Cherokee St. $808—to M. J. Harper Co., 430 East Moyer St.,

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Streets and Roads (Continued)

Frontenac St. $984—to Frank Mark Constr. Co., Caster and Winghocking Sts., Horrocks, Kindred, Knorr, Large, Lynford, Magee, Souder, Sylvester and Unruh Sts. $27,088; Longshore St. $5,276; improving Ashton Rd. $22,742; Decatur Rd. $8,339; Faunce Rd. $10,422; Loney Rd. $14,394—to R. B. Wenner, 2819 Gordon St., grading Luzerne St. $1,610—to J. P. Molloy, 15 East Mermaid Lane, 74th Ave. $536—to Eastern Asphalt Co., Penna Bldg., asphalt paving (assessment work) American St. $47,870; Luzerne St. $18,478; Roxborough St. $11,000; asphalt repaving 45th St. $13,987; sheet asphalt resurfacing (heater method) streets in Group 11 $169,898—to Barber Asphalt Co., Hunting Park Ave. at E St., asphalt paving (assessment work) Ditman, Faust, Fraley and Kennedy Sts. $33,762; Hurley St. $2,332; Lansing and Meridian Sts. $20,598; Musgrave St. $3,493; Southampton St. $6,672; asphalt repaving Aspen and Fairmount Sts. $47,259; sheet asphalt resurfacing (heater method) streets in Group 12 $132,235—to Montgomery Paving Co., Harrison Bldg., asphalt paving (assessment work) Englewood St. $6,959; Sanger St. $18,731; asphalt repaving Cumberland St. $33,284—to Wilson-Martin, Inc., 1501 North 2nd St., improving Fitler Rd. $2,835—to Fish Rutherford, Inc., 4058 Chestnut St., Mt. Airy, Mt. Pleasant, Wayne and Sherman Rds. $23,057; Hasbrook Rd. $12,709—to Elkins Paving & Constr. Co., 836 North Holly St., redressed granite block repaving Mt. Pleasant St. $18,337—to Union Paving Co., 123 South 21st St., sheet asphalt resurfacing (heater method) streets in Group 8 $50,725, Group 9 $100,303, Group 10 $87,026, and Group 13 $128,509. Grand total $1,104,575.

Maryland — State Roads Comn., Baltimore, penetration macadam paving 0.5 mi. Montgomery Co., to P. E. Russell, Frederick, $15,865—vitr. concrete and brick paving 0.45 mi. Anne Arundel Co., to Ward & O'Connell, 3114 Presbury St., Baltimore, $33,704—concrete paving 0.56 mi. Somerset St., to W. H. Truitt, Lincoln City, Del., $15,435—1.95 mi. Montgomery Co., to L. R. Colbert, Fredericksburg, Va., $43,998. Grand total $120,384. Noted Aug. 23 and Sept. 6.

Md., Annapolis—Brick paving Main St., to Ward & O'Connell, Baltimore, $43,386.

Md., Baltimore — Bd. Awards, sheet asphalt paving 12,900 sq.yd. Contr. 484, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $49,435. Noted Sept. 13.

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,150 sq.yd. Contr. 482, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $50,176; grading 90,000 cu.yd. Contr. 483, to W. F. Huse, 2800 Montebello Ave., $42,660. Noted Sept. 6.

Md., Towson—Comrs. Baltimore Co., concrete paving 1.46 mi. Linden Ave. Group 13, and 0.9 mi. Hawthorne Ave. Group 12, to P. Reddington & Son, 2 East Lexington St., Baltimore, $19,623 and $14,360 respectively. Noted Aug. 30.

West Virginia—State Rd. Comn., E. B. Carskadon, secy., brick concrete paving 3.4 mi. Project 167, Hancock Co., to W. H. Armstrong, Fairmount, $137,685. Noted Sept. 13.

W. Va., Wheeling — Ohio Co., concrete paving 4,100 ft. Wheeling Country Club to Oglebay Park, to A. & O. Holderman, $31,711. Noted Sept. 20.

Fla., Hialeah—For 6 in. lime rock paving 15 mi. to N. Balestreri, Hialeah, $77,000.

Miss., Laurel—Jones Co., grading, culverts, bridges, Bermuda sodding 5.499 mi Laurel-Ellisville Rd., to J. A. and H. R Pigford, Russell. Noted Aug. 23.

Miss., Oxford—Mixed clay, gravel surfacing 8.479 mi. Federal Aid Project 97-B, to Williamson Bros., Water Valley, $16,500. Noted Aug. 23.

Tenn., Ripley — Lauderdale Co., grading 9.48 mi. Ripley-Edith Rd., to Delta Constr. Co., Lake Comorant, Miss., $68,422—6.27 mi. Halls-Porters Gap Rd. and 5.32 mi. Halls-Nankipoo Rd., to Lightfoot & Doyle, Somerville, $34,984 and $26,738 respectively—11.46 mi. Henning-Mack Rd. and 1.95 mi. Copperas Springs-Pleasant Hill Rd., to R. E. Martin, Pulaski, $55,312 and $9,475 respectively. Grand total $194,931. Noted Sept. 6.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete, traffic bound macadam paving 0.372 mi. Licking Co., to Hickey Bros., 4200 Spring Grove Ave., Cincinnati, $104,509—concrete paving 1 mi. Hamilton Co., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., Cincinnati, $68,369—paving 0.898 mi. approach to bridge Sect. D, Canton-Canal Dover Rd., Tuscarawas Co., to Canton Sand & Gravel Co., Canton, $110,643—bituminous macadam paving 2.927 mi. Wood Co., to Van Wagner Constr. Co., Bowling Green, $48,545—concrete paving 13.646 mi. Henry Co., to Tiffin Constr. Co., Tiffin, $213,901—grading 4.276 mi. Holmes Co., to Elsass-Myer Constr. Co., Anna, $42,506. Grand total $588,473. Noted Aug. 23.

O., Steubenville—Jefferson Co., paving 5½ mi. Irondale-Monroeville Rd., to J. E. Stringer, Steubenville, $45,240. Noted Sept. 20.

O., Canton—Vitr. brick, asphalt paving 6th St., 14th St. N.W., and Vera Pl., to Garraux Bros., Massillon-Canton Rd., $26,285. Est. $25,000.

O., Cleveland — Cleveland Metropolitan Park Bd., West 3rd St. and Frankfort Ave., paving Rocky River Parkway, to Fred G. Bieber & Son, Stump Rd., Box 142 Brooklyn Sta., Cleveland, $24,109.

O., Cleveland—Cuyahoga Co., vitr. brick paving Bliss Rd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $35,731. Est. $44,700.

O., Maple Heights (br. Cleveland)—Concrete curbing, bituminous concrete paving Hansen Rd., to A. M. Pejsa Paving Co., 3161 East Derbyshire Rd., Cleveland, $40,422.

O., Portsmouth—Grading, curbing, brick on concrete (asphalt filler) paving 1,870 ft. Wilson Ave., 36 ft., to Frowine Bros., Inc., Portsmouth, $26,616; 465 ft. Sheridan Rd., 40 ft., to S. Monroe & Sons, Portsmouth, $10,217. Noted Aug. 9.

O., Rocky River (br. Cleveland)—Paving West 213th St., to Baldwin Bros., 4500 Euclid Ave., Cleveland, $3,858; West 220th St., to Ohio Eng. Co., Lorain, $33,224.

O., Rocky River (br. Cleveland)—Paving Hampton Rd. and Gasser Blvd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., Cleveland. $36,499.

Ind., Bloomington—Bd. Wks., concrete paving South Lincoln St., to W. R. Price Constr. Co., Bloomington, $57,577.

Ind., Bristol—Concrete paving Main St., to Plummer Constr. Co., Elkhart, $34,047.

Ind., Gary—Grading 127,000 cu.yd., approaches to viaducts on Baltimore & Ohio Ry., to Sunderman Constr. Co., Gary, $59,055.

Ind., Kokomo—Howard Co., concrete paving Haynes Rd., to Kokomo Constr. Co., Kokomo, $36,821. Noted Apr. 12.

Ind., Liberty—Union Co., rein.-con., paving Samuel Hull Rd., to L. P. Beard, Rushville, $37,206. Noted Aug. 23.

Ind., Michigan City—Asphalt paving Pine St., concrete paving Decatur St., to E. W. David Co., Michigan City, $15,654 and $25,141 respectively.

Michigan — R. A. Beers, resident engr., Kalamazoo, concrete paving 7.508 mi. MO14-16, C-1, 20 ft., Cass Co., to Cunningham Constr. Co., Saginaw, for State Hy. Dpt., Lansing, $200,827, incl. cement. Noted Sept. 6.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 6.53 mi. FC6-14, C-1, 20 ft., Arenac Co., to Hillding Constr. Co., Big Rapids, for State Hy. Dpt., Lansing. $182,505 incl. cement.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 3.577 mi. MO9-11, C-1, to T. McNally, Saginaw, $114,850 incl. cement, 2.831 mi. MO9-16, C-1, to J. A. Campbell, Bay City, $130,177 incl. cement, both 20 ft., Bay Co., for State Hy. Dpt., Lansing. Noted Aug. 23.

Mich., Berkley—Grading, one course 8 in. concrete paving 1½ mi. Catalpa Dr., to R. D. Baker Co., Ten Mile Rd. and Grand Trunk R.R., Royal Oak, $74,040.

Mich., Birmingham — Concrete curbing, guttering, graveling, 8 in. concrete paving 1,015 sq.yd. Dists. 129, 130 and 131, incl. Pleasant Ave., to G. W. Smith Co., Franklin Rd., $26,420.

Mich., Detroit—Concrete or stone curbing, 3½ in. sheet asphalt on 8 in. concrete paving 43,920 sq.yd. Broadstreet Blvd., and 5 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $136,120; 5,640 sq.yd. Giese Ave., to M. R. Hanna, Ryan and Nevada Aves., $19,008.

Mich., Monroe — Monroe Co., grading, waterbound macadam paving 2 mi. Albain Rd. W., 16 ft., to W. E. Foale Co., Saginaw, $33,130.

Mich., St. Joseph—Berrien Co., 2 in. sheet asphalt on 6 in. concrete paving 0.76 mi. Fair Ave., to W. J. Lang Constr. Co., South Dearborn St., Chicago, Ill., $50,210.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving in Alexander and Pulaski Counties, to Mitchell Constr. Co., Marion, $53,850—Cook Co., to R. Mann, 2331 Charles St., Rockford, $239,988 — Winnebago Co., to Froemming Corp., 1326 Humboldt Ave., Milwaukee, Wis., $153,221 —Hancock Co., to J. L. Wells Co., Rock Island, $45,998—Carroll and Jo Daviess Counties, to Anderson & Empie, Marshalltown, Ia., $240,158—Fulton Co., to Hartmann-Clark Bros., 930 Peoria Life Bldg., Peoria, $48,133—Cook Co., to Bway. Constr. Co., 205 West Wacker Dr., Chicago, $337,481—Henderson Co., to M. Hayes & Sons, Chicago, $89,392—Cook and Kane Counties, to C. E. Giertz & Son, Elgin, $133,065—Ogle Co., to Duncan Constr. Co., La Salle, $140,028—Edgar Co., to Allan J. Parrish, Paris, $4,885—Winnebago Co., to Star Constr. Co., Rockford, $1,401—Pike Co., to Madison Constr. Co., Edwardsville, $150,000—Livingston Co., to E. T. Lobb, Pontiac, $6,323—Kane Co., to McCracken-Vander-Heyden Co., Milwaukee, Wis., $9,194. Grand total $1,653,120. Noted July 5 and Aug. 22.

Ill., Abingdon—Grading, curbing, guttering, vertical fibre brick on concrete paving, to Specht & O'Neill, Bushnell, $34,65[illegible]

Ill., Chicago — Bd. Local Impvts., City Hall, grading, sewers, curbing, guttering, asphalt on 6 and 8 in. concrete paving West 19th and Grace Sts., Beldin, Wilson, Camol and Leoti Aves., to Barber Asphalt Paving Co., 7 South Dearborn St.—South Irving, South Keating and South Springfield Aves., West 48th, 50th to 65th Sts. and Place (inclusive), East 72nd Pl., West Marquette Rd., South State and West 63rd Sts., to American Asphalt Paving Co., 133 West Washington St.—Seminole, Ardmore, North Moody, Meade, McVicker and Austin Aves., to White Paving Co., 1735 Fullerton Ave., grading, curbing, guttering, sewers, 7 and 8 in. concrete paving East 102nd St. and St. Louis Ave., to Hedges Constr. Co., 64 West Randolph St.—Manila, Catalpa, North Mamora, Mansfield, Menard, Magnet and Parkside Aves., to J. A. Sackley Co., 4608 Belmont Ave.—Belmont Ave., to Chicago Constr. Co., 228 North La Salle St.—Camdon Ave., to J. Dillon & Co., 2953 South Halsted St.—Ainslie St., to Central Paving Co., 179 West Washington St.—Octavia and Odell Aves., to Home Paving Co., 134 North La Salle St. Noted Sept. 6.

Ill., Chicago — Bd. Local Impvts., City Hall, 14 ft. concrete sidewalks on both sides Federal St., 6 in. concrete sidewalks on 59th, 60th, 61st, 70th, 75th, 76th, 110th and Greenshaw Sts., Indianapolis, Komensky, Kenwood, Wabansia, Bloomingdale, South Karlov, Kedvale, Keeler, Nashville, Natoma, Normandy, Rutherford, Oak Park, South Knox, Kilpatrick, Keating, Cicero, Washtenaw, Fairfield and Mansfield Aves., to Aldrich Constr. Co., 140 South Dearborn St.—14 ft. sidewalks on both sides West 14th and South Jefferson Sts., to A. Riccardi, 735 South Robey St.—Gregory St., Belmoral, Berwin, Foster, Bryn Mawr, Catalpa, Roscher, Avondale, North McVicker, North Meade, Moodey, Melvina, Mulligan, Eagle and Natoma Aves., to O. E. Brooks & Son, 6238 North West Hy.—North Halsted, West Hudson and Division Sts., Schubert and North Narragansett Aves., to G. Kehl & Sons, 2225 North Maplewood Ave.—North Irving Park Blvd., South Rockwell St. and North Kilbourne Ave., to Banner Constr. Co., 384 North Harding Ave.—East 25th and West 55th Sts., Archer, Calfan, North Austin, South McVicker, South Meade and South Merrimac Aves., to Superior Concrete Constr. Co., 133 West Washington St.—West 112th and South Ada Sts., South Union, Hamlet and Indiana Aves., to H. Johnson & Co., 340 West 11th St.—Winthrop and Winnemac Aves., to C. Schroeder & Sons Co., 3440 Johnson Ave.—Cortland St., Armitage, Bloomingdale, North Natoma, Nashville, Normandy and Oak Park Aves., to Siewert-Callsen Co., 3865 Milwaukee Ave.—South Hoyne Ave., to A. L. Toorvald—10 ft. concrete sidewalks on both sides South Central Ave., to A. Graff & Co., 30 North La Salle St.—14 ft. concrete sidewalks on both sides West North Ave., to Simpson Constr. Co., 1113 South Hermitage St.

Ill., East St. Louis—Curbing, sewers, 8 in. concrete paving 16,600 sq.yd. 16th St., to Louis Rich Constr. Co., 2038 St. Clair Ave., $73,795. Est. $82,200.

Ill., Farmington—Grading, curbing, guttering, concrete paving to F. F. Weir Constr. Co., Moline, $33,736. Noted Sept. 27.

Ill., Park Ridge—For 6,770 sq.yd. concrete paving, to Melahn Bros., Algonquin, $26,776 est. $31,300; 45,133 sq.yd., to I. D. Lane, Waukegan, $158,849 est. $188,996.

Wisconsin — State and Dodge Co. Hy. Comns., Madison, grading 19,000 cu.yd. and constructing Beaver Dam Bridge, on Federal Aid Project 444-E, to A. Brown, Holcombe, $25,956. Noted Sept. 13.

Wis., Madison—Bd. P. Wks., E. E. Parker, engr., to O'Dea & Shafer, Madison, constructing alley in City Block 2, $1,393; Potter St. $8,023—to J. F. Icke, 116 East Washington Ave., alleys in City Block 15 $1,410; City Block 4, $2,908; West Mifflin St. $4,677, pumphouse for South Side Sewer Dist. $22,627—to J. R. Cullinane, 618 West Dayton Ave., constructing Horham St. $28,000—to Quinn Constr. Co., Madison, Kaffin St. $5,238; Lawrence St. $8,237—to Blackhawk Electric Co., 121 West Mifflin St., ornamental lighting system on University Ave., West Gilman and West Graham Sts. $13,822. Grand total $106,335.

Iowa—See "Bridges."

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Streets and Roads (Continued)

Minn., Anoka—Anoka Co., grading 44,-590 cu.yd., overhauling 600,840 cu.yd. Ham Lake-Columbus Rd., Job 2801, to Farrell & Clark, 1267 Goodrich Ave., St. Paul, $32,975.

Minn., St. Paul — K. L. Fiseler, city purch. agt., asphaltic concrete paving Maryland St. between Duluth and White Bear Aves., to Thornton Bros. Co., 1343 Payton Ave., $79,700. Noted Aug. 30.

Kan., Independence — Montgomery Co., grading 6.94 mi. Federal Aid Project 285-A and C, to Osage Constr. Co., Fairfax, Okla., $37,954.

Nebraska — State Hy. Comn., Lincoln, graveling 7.8 mi. Project 54-K, to Reel & Kennedy, Dalton, $4,641—0.14 mi. Project 187, to P. McArdle, 1901 Park Ave., Omaha, $3,326—9 mi. Project 304-L, to Murphy Gravel Co., Lincoln, $11,745—5.6 mi. Project 307, to Roberts Constr. Co., Terminal Bldg., Lincoln, $9,566—culverts on same road, to L. Quinton, Kearney, $753—bridges on same road, to Fremont Constr. Co., Fremont, $3,249—grading 4.4 mi. Project 309-A, to J. E. Tift, 6720 North 24th St., Omaha, $9,832—culverts and bridge on same road, to Nebraska Constr. Co., 525 South 13th St., Lincoln, $3,914 and $4,658 respectively. Grand total $51,684.

Neb., Lincoln—T. H. Berg, city clk., grading, curbing, asphaltic concrete paving 4,820 sq.yd. Dist. 787, to Abel Constr. Co., 308 Terminal Bldg., $15,143—3,770 sq.yd. Dist. 789, to Cochrane Constr. Co., 822 1st Natl. Bldg., $12,238—storm sewers in P St., to Knudsen Co., Bankers Reserve Life Bldg., $4,258. Grand total $31,639. Noted Sept. 6.

Neb., Lincoln—See Unclassified under "Proposed Work."

Neb., Plattsmouth — H. L. Thomas, city clk., grading, curbing, concrete paving Dists. 52, 53, 54 and 56, to F. L. Busche, 4118 North 30th St., Omaha, $20,520. Est. $31,631. Noted Sept. 6.

Mo., Clayton—St. Louis Co., grading, 720 squares macadam paving Sinks Rd., to J. Dillon, 2902a Indiana Ave., St. Louis. Noted Sept. 13.

Mo., Independence—Jackson Co., grading, concrete paving 1.319 mi. Winner Rd. and 3.418 mi. Raytown Rd., to Black Hawk Constr. Co., Waterloo Savings Bank Bldg., Waterloo, Ia., $27,598 and $88,593 respectively—concrete paving 4.451 mi. Blue Springs-Tarsney Rd., to G. G. Roudebush, Kansas City, $105,285. Grand total $221,-476. Noted Sept. 13.

Mo., St. Louis—Bd. P. Serv., City Hall, to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving 2,240 sq.yd. Rhodes Ave. $12,418—to Central Paving & Constr. Co., 411 North 7th St., warrenite bitulithic paving 4,060 sq.yd. Bates St. $22,994; 2,485 sq.yd. Loughborough St. $14,555; 6,030 sq.yd. Christy St. $37,967—to Granite Bituminous Paving Co., Ry. Exch. Bldg., 7,415 sq.yd. Grand Blvd. $35,570—to J. F. McMahon, Buder Bldg., vibrolithic concrete paving 3,825 sq.yd. Odell St. $19,150; 3,575 sq.yd. Ferris Ave. $18,540—to Eyermann Contg. Co., 1210 South Grand Blvd., rein.-con. paving 2,650 sq.yd. Kansas St. $15,-736—to Perkinson Bros. Constr. Co., 3237 Carter Ave., granite block paving 3,680 sq.yd. 12th St. $29,131; asphaltic concrete paving 2,330 sq.yd. Pamphlin St. $11,440—to Trinidad Asphalt Mfg. Co., 600 South Theresa Ave., asphaltic concrete paving 3,-645 sq.yd. 59th St. $21,193—to Bridges Asphalt Paving Co., 1470 Kentucky St., 4,110 sq.yd. Bingham St. $25,169—to Cream-Scott Constr. Co., Chouteau Trust Bldg., 1,245 sq.yd. Wiesiha St. $7,796—to C. A. Moreno, Syndicate Trust Bldg., 1,060 sq.yd. Gertrude St. $7,326; 745 sq.yd. Alexander St. $4,828. Grand total $283,813. Noted Aug. 30.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, concrete paving alleys in City Blocks 1033 and 1323, to Eyermann Contg. Co., 1210 South Grand Blvd. $10,571—City Blocks 3964, 5125 and 5595, to Alfred Lewald, Inc., 6025 West Cabanne Ave. $16,006—City Blocks 5514 and 5743, to W. A. Riley, 110 North 7th St., $5,704. Grand total $32,381. Noted Aug. 23.

Texas—G. Gilchrist, state hy. engr., Austin, grading, bridging, concrete paving 1.054 mi. hy. in Nueces Co., to Standifer Bros., P. O. Box 193, Big Wells, $28,572—grading, bridging, waterbound macadam and double bituminous surface treating 10.763 mi. Harris Co., to S. A. Starkey, 304 Stewart Bldg., Houston, $146,428—2 course gravel surfacing 31.101 mi. Zavalla Co., to Dexter Constr. Co., Love Field, Dallas, $251,128—bituminous macadam on crushed stone paving 22.527 mi. Cass Co., to J. E. Ward & Co., Inc., 716 Linz Bldg., Dallas, $246,011 — rein.-con. paving 17.273 mi. Walker Co., and grading, bridging 16.979 mi. Henderson Co., to Tibbetts Constr. Co., 714 Neal P. Anderson Bldg., Ft. Worth, $368,337 and $281,386 respectively—13.313 mi. Wilbarger Co., to Dickey Bros. & Blanton, Woodson, $30,813—4.077 mi. Ellis Co., to D. H. Purvis & Son, P. C. Box 706, Ft. Worth, $19,875—15.85 mi. Throckmorton Co., to Huddleston & Work, Crosbytown, $57,510—concrete paving 14.443 mi. Fort Bend Co., to C. K. Horton, P. O. Box 1394, Houston, $289,725—pea gravel on gravel surfacing 8.238 mi. Fayette Co., to C. M. Kelly, 503 Barrett Pl., San Antonio, $24,102—bituminous concrete on caliche paving 17.359 mi. Shackelford Co., to American Asphalt Co., Allen Bldg., Dallas, $357,703—grading, gravel surfacing 20.011 mi. El Paso Co., to Veater & Davis, 204 Cotton Exch. Bldg., El Paso, $111,940—disintegrated limestone surfacing 9.787 mi. Jim Wells Co., to Hedges Co., Box 23, Houston, $49,441—wrecking, removing concrete dips, constructing 15 rein.-con. culverts Bee Co., to Houston Surfacing Co., 3840 Polk St., Houston, $20,547—rehabilitating 3 multiple-box culverts and earth approaches Starr Co., to L. E. Sanders, 400 Kendalia Ave., San Antonio, $26,133. Grand total $2,309,654. Noted Sept. 13.

Texas—G. Gilchrist, state hy. engr., Austin (**e. e. means engrs. est.**), to Tibbetts Constr. Co., 714 Neil P. Anderson Bldg., Ft. Worth, grading, bridging, concrete paving 5.123 mi. hy. Hudspeth Co. $104,906 e. e. $122,000; 7.419 mi. same county $170,159 e. e. $180,000; grading, bridging 10.559 mi. Victoria Co., $58,309 e. e. $63,000—to H. B. Zachary, Laredo, grading, bridging, overpass, concrete paving 8.344 mi. Webb Co., $262,194 e. e. $270,000—to A. A. Davis & Co., 300 City Bank Bldg., Kansas City, Mo., grading, concrete paving 16.956 mi. Austin Co., $346,400 e. e. $378,000—to R. B. Stroup, P. O. Box 14, Sherman, grading, bridging 13.181 mi. Knox Co., $35,955 e. e. $27,000—to C. H. McClellan, 1402 Travis St., Wichita Falls, 15.835 mi. Foard Co., $39,691 e. e. $54,000—to L. J. Miles, P. O. Box 61, Dryden, 14.455 mi. Kinney Co., $30,478 e. e. $39,600—to Cage & Ruby, Bishop, 15.524 mi. La Salle Co., $46,954 e. e. $57,600—to Russ Mitchell, Inc., Petroleum Bldg., Houston, 7.332 mi. Matagorda Co., $23,645 e. e. $25,200—to E. R. Bryant, Lockney, 10.168 mi. Foard Co., $49,388 e. e. $59,400; 16.507 mi. Cottle Co., $66,969 e. e. $86,400—to W. W. Vann & Co., Mercedes, 13.785 mi. Refugio Co., $72,616 e. e. $81,000—to S. A. Starkey, 304 Stewart Bldg., Houston, 4.225 mi. Harris Co., rock asphalt on macadam paving $71,915 e. e. $72,000. Grand total $1,379,579.

Tex., Slinton—Judge San Patricio Co., Ft. Worth Natl. Bldg., limestone rock asphalt paving Virginia Pl., Potomac St. and Linden Lane, $27,400; Lenox Dr., 4th St., Hamilton and Dorothy Lane, $97,300; Monticello Dr. $42,950 — to West Texas Contg. Co., Cotton Exch. Bldg., 2 in. asphaltic concrete paving Bryce, Green, Collyer and Vaughin Sts., $87,000. Grand total $254,650. Noted Aug. 23.

Tex., Sinton — Judge San Patricio Co., grading, caliche or gravel surfacing 11 mi. Mathis-Bluntzer Rd., to Cage & Ruby, 512½ West Park St., San Antonio, $24,377. Noted Aug. 30.

Oklahoma — State Hy. Dpt., Oklahoma City, concrete slab surfacing 7.145 mi. Payne Co. and 2.943 mi. Noble Co., to Amer. Paving Corp., Omaha, Neb., $150,-995 and $62,914 respectively, ests. $160,-000 and $65,000 respectively—8.444 mi. Noble Co., to A. L. Cook, Ottumwa, Kan., $183,464 est. $200,000—5.021 mi. Logan Co., to T. Collins, Cushing, $108,778 est. $125,-000—5.21 mi. Pawnee Co., to Standard Paving Co., 2119 East 11th St., Tulsa, $109,835 est. $125,000—asphalt surfacing 3.588 mi. Seminole Co., to C. S. Beekman & Co., 1801 East 9th St., Oklahoma City, $99,981 est. $112,000. Grand total $705,-967. Noted July 26.

Okla., Altus—Jackson Co., graveling 10 mi. Road 7, to S. H. Atkins, Blair, $31,644. Est. $36,500.

Okla., Enid — Grading, concrete paving 8,750 sq.yd. 6th and East Randolph Sts., to Hyde Constr. Co., Amer. Bank Bldg., Enid, $24,882. Est. $27,480.

Okla., Oklahoma City — Grading, sheet asphalt paving 6,100 sq.yd. 21st St., to Western Paving Co., Petroleum Bldg., $31,-942. Est. $32,410. Noted June 7.

Colorado—State Hy. Dept., Denver, concrete paving 0.921 mi. Weld Co., to S. & S. Constr. Co., 1822-7th Ave., Greeley, $25,270—graveling 4.833 mi. Montezuma Co., to E. J. Maloney, Madison, S. D., $59,447—600 ft. rock filled bulkhead bank protection Moffat Co., to Hinman Bros. Constr. Co., 3358 Race St., Denver, $11,925. Grand total $96,642. Noted Sept. 13.

Colorado—State Hy. Dept., Denver (**F.A. means Federal Aid**), grading 3.663 mi. F.A. 293-C, Ouray Co., to C. V. Hallenbeck, Rifle, $62,998—gravel surfacing 2.414 mi. F.A. 298-B, Archuleta Co., to Engler & Terjssier, Durango, $38,426 — paving 1.224 mi. F.A. 2-R7, Los Animas Co., to H. C. Lallier C. & C. Co., Continental Trust Bldg., Denver, $67,000—1.633 mi. F.A. 2-R8, Los Animas Co., to J. Finger & Son, 416 Patterson Bldg., Denver, $66,660. Grand total $235,084. Noted Sept. 13.

Colo., Denver — Dpt. Impvt. & Parks, grading, curbing, crushed rock paving Rude Park Impvt. Dist. 1, to J. Collier, 63 South Logan St., $39,311 — asphaltic concrete paving South Denver Paving Dist. 10, to Levy Constr. Co., Symes Bldg., $32,966. Noted June 28.

Arizona — State Hy. Comn., Phoenix, grading, surfacing 5.2 mi. Chandler-Casa Grande Hy., San Tan Sect., to Canion & Francis, Phoenix, $26,021. Noted Sept. 6.

Arizona—See "Bridges."

Washington—State Hy. Comn., Olympia, grading 213,000 cu.yd. Klickitat Co., to Campbell Constr. Co., 141 Park Ave., Renton, $156,028—212,000 cu.yd. King Co. and concrete paving 3,220 sq.yd. Pierce Co., to T. M. Morgan Paving Co., 640 Skinner Bldg., Seattle, $112,222 and $60,544 respectively—crushed graveling 10,500 cu.yd. Clallam Co., to P. B. Doherty, Hermiston, Ore. $14,540—4,000 cu.yd. Grays Harbor Co., to R. O. Dail, 2717 Simpson Ave., Aberdeen.

Ore., Portland—O. Laurgard, city engr., asphaltic concrete paving 1,700 ft. Lloyd Blvd., 30 ft., to Kern & Kibbie, Portland, $25,706. Est. $25,105.

California—State Hy. Comn., Sacramento, grading, asphaltic concrete paving 1.1 mi. Los Angeles Co., to Griffith Co., Ry. Bldg., Los Angeles, $63,447—1 mi. Imperial Co., to R. E. Hazard Co., 2548 Kettner St., San Diego, $29,395—bituminous macadam paving 2.1 mi. Placer Co., to E. F. Hilliard, 1355 43rd St., Sacramento, $13,594. Grand total $106,436. Noted Aug. 30.

California—State Hy. Comn., Sacramento, grading, concrete paving 11.5 mi. Sonoma Co., to H. H. Petersen, 1711 West Atlantic St., San Diego, $383,689—grading, crushed rock surfacing 2.5 mi. Nevada Co., to Mathews Constr. Co., Forum Bldg., Sacramento, $27,983—grading, asphaltic concrete surfacing 0.8 mi. San Joaquin Co., to Cannon & McCarthy, Stockton, $28,220. Grand total $439,892.

Calif., Compton—Grading, curbing, guttering, walks, watermains, 5 in. concrete paving 394,474 sq.ft. Fig, Peach, Plum, Pear and Apple Sts., to G. H. Oswald, 366 East 58th St., Los Angeles, $87,661.

Calif., Corona—Concrete walks, guttering, oil macadam paving 5th St., to H. M. Rouse, 771 3rd St., San Bernardino, $33,015.

Calif., El Monte—Curbing, walks, watermains, hydrants 4 in. asphaltic concrete paving Brockway Ave., A. and I. 1, to Hall-Johnson Co., 905 Westminster Ave., Alhambra, $87,965. Noted Apr. 5.

Calif., Eureka—Grading, asphaltic concrete paving Harris St., to Mercer-Fraser Co., Eureka, $50,545. Noted Sept. 20.

Calif., Inglewood—Grading 99,756 cu.yd., 6 in. concrete paving 38,745 sq.ft. and macadam paving 28,344 sq.ft. Stella St., to Johnson & Sons, 4183 South Normandie Ave., Los Angeles, $25,097.

Calif., Los Angeles — Los Angeles Co., curbing, walks, guttering, 5 in. disintegrated granite on 6 in. concrete paving Wilshire Blvd., to G. H. Oswald, 366 East 58th St., $319,062. Est. $352,757. Noted Aug. 23.

Calif., Los Angeles—Los Angeles Co., concrete paving 44,562 sq.ft. and decomposed granite paving 312,151 sq.ft. Market St., Impvt. Dist. A and I 145, to W. H. Coff, 1921 Apex St., $107,334. Est. $112,416.

Calif., Lynwood—Concrete paving, walks, curbing, guttering, 114th St., A. and I. 19, to Drainage Constr. Co., P. O. Box 345, Santa Ana, $202,000.

Calif., Lynwood—Grading, 5 in. concrete paving Tecumseh St., to O. U. Miracle, 4500 Menlo St., San Diego, $28,101.

Calif., Manhattan Beach—Grading, c.i. mains, concrete paving 34th, 24th and 36th Sts., to Ed. Johnson & Sons, 4183 S. Normandie Ave., Los Angeles, $48,905; grading, National paving 25th St., to Heinecke Constr. Co., 714 West 10th St., Los Angeles, $63,087. Noted Aug. 30.

Calif., Palo Alto—Grading, concrete paving Margarita St., to Peninsula Paving Co., Standard Oil Bldg., San Francisco, $44,580; Newell Rd., to N. M. Ball, Porterville, $20,756.

Calif., Rialto—Curbing, guttering, sidewalks, 6 in. macadam paving 245,910 sq.ft. Perris Ave., to G. Gardner, 45 Cypress Ave., Redlands, $36,785.

Calif., Richmond—A. C. Faris, city clk., grading 4 in. asphaltic concrete, 2 in. warrenite bitulithic paving 23rd St., to California Constr. Co., Standard Oil Bldg., San Francisco, $71,191. Noted Sept. 13.

Calif., Riverside—Riverside Co., grading, macadam paving 2.5 mi. Cloverdale Rd. and Adams St., to Pearson & Dickerson, P. O. Box 325, Riverside, $31,985.

Calif., San Francisco—Paving 2,100 ft. Kezar Stadium Roadway in Gold State Park, 60 ft., to J. M. Smith, 750 Ocean Ave., $55,161. Noted Sept. 27.

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Streets and Roads (Continued)

Calif., Sacramento — Asphaltic concrete paving 4 mi. Marconi and Fulton Aves., to C. W. Wood, Builders Exch. Bldg., Stockton, $42,358.

Calif., San Gabriel—I. H. Stouffer, city clk., curbing, 2 in. warrenite on 6 in. asphaltic concrete paving 422,820 sq.ft. Las Tunas Dr., to Hall-Johnson Co., 905 Westminster St., Alhambra, $97,828. Noted Aug. 30.

Calif., San Jose—H. Phister, clk. Santa Clara Co., grading 155,474 cu.yd. Congress Springfield Rd., to J. F. Collins, Saratoga, $93,825.

Public Bond Elections

Coming Bond Elections

Waterworks—Akron, O., Nov. 6, $6,000,000.
Waterworks—Arlington, Kan., Oct. 4, $34,000.
Waterworks—Poplar Bluffs, Mo., December, $225,000.
Waterworks—Chelsea, Okla., Nov. 6, $150,000.
Waterworks — Granger, Tex., Oct. 16, $60,000.
Waterworks, Sewers, Paving, etc.—Jacksonville, Tex., Oct. 23, $250,000.
Waterworks—Weiner, Tex., $40,000.
Waterworks—Sacramento, Calif., $11,500,000.
Waterworks—Suisun City, Calif., Oct. 16, $30,000.
Sewers and Paving—Jacksonville, Fla., $1,800,000.
Sewage System — Cincinnati, O., Nov. 6, $250,000.
Sewage Disposal Plant Addition—Fostoria, O., Nov. 6, $100,000.
Sewage Disposal Plant — Detroit Lakes, Minn., Nov. 6, $80,000.
Viaduct—Cincinnati, O., Nov. 6, $1,000,000.
Bridge—Euclid, O., Nov. 6, $75,000.
Bridge, — Douglas County, Neb., Nov. 6, $800,000.
Bridge — King County, Wash., Nov. 6, $780,000.
Channel Impvt.—Pentecton, B. C., Oct. 8, $150,000.
Approaches Bridge—Melbourne, Fla., Oct. 16, $50,000.
Paving—Shelbyville, Tenn., Oct. 9, $50,000.
Street Widening, Paving, etc.—Akron, O., Nov. 6, $3,530,000.
Street Widening — Cincinnati, O., Nov. 6, $1,000,000.
Street Extension—Euclid, O., Nov. $125,000.
Roads—Coke County, Tex., Oct. 9, $100,000.
Roads—Ellis County, Tex., Dist. 16, Oct. 4, $489,000.
Street Widening — Portland, Ore., Nov. 6, $6,209,000.
Schools—Akron, O., Nov. 6, $2,000,000.
Schools—East Cleveland, O., Nov. 6, $580,000.
High School—North Olmstead, O., Nov. 6, $295,000.
High School—Maple Heights, O., Nov. 6, $250,000.
Schools—St. Joseph, Mo., Oct. 9, $2,180,000.
High School—Davenport, Ia., $450,000.
High School — San Diego, Calif., Oct. 9, $181,000.
Grade Crossing Elimination — Akron, O., Nov. 6, $3,000,000.
Parks and Playgrounds — Cincinnati, O., Nov. 6, $500,000.
Grade Crossing, Elimination — Cincinnati, O., Nov. 6, $2,000,000.
Stadium—Cleveland Heights, O., Nov. 6, $125,000.
Natural Gas System—Muskogee, Okla., Oct. 23, $1,250,000.
Airport — Douglas County, Neb., Nov. 6, $250,000.

Bonds Voted

Waterworks—Antioch, Calif., $35,000.
Sewers—Hopewell, Va., $50,000.
Sewerage Disposal Plant—Escondido, Calif., $70,000.
Paving—Hopewell, Va., $150,000.
Paving—Palestine, Tex., $60,000.
Paving, Sewers—Westmount, Que., $60,000.
Schools — Tulsa, Okla., $1,000,000, L. J. Shumway, archt.
Parks, etc.—Pascagoula, Miss., $60,000.

Bonds Defeated

Waterworks—Terrel, Okla., $23,000.
Waterworks and Sewers — Richland, Mo., $65,000.
Waterworks—Warsaw, Mo., $60,000.
High School—Albany, Calif., $200,000.
Paving—Maud, Okla., $81,200.
Paving—Waynoka, Okla., $35,000.
Paving—Fulton, Mo., $39,000.
Roads—Cooke County, Tex., $2,000,000.

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Calif., Santa Ana—Orange Co., grading, concrete paving 5,835 sq.yd., gravel base paving 274,889 sq.ft. South Main St., to Matich Bros., Elsinore, $63,485.

Calif., Santa Barbara—Asphaltic concrete paving Mountain Dr., to Cornwall Constr. Co., 227 Equestrian St., $31,500.

Calif., Santa Barbara—Grading, curbing, guttering, paving, Loma Alta Dr., to Hunter & Richardson, 122 West Valerio St., $29,966.

Calif., South Gate—Curbing, walks, vibrolithic concrete paving, grading 198,956 sq.ft. Ardmore Ave., to V. Kovacevich, 1553 Loma Ave., Long Beach, $59,508. Noted Aug. 23.

Calif., Ukiah—For 1.5 in. warrenite bitulithic on 2.5 in. asphaltic concrete paving 173,235 sq.ft., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $41,915.

Ont., Sandwich—Sandwich West Twp., concrete paving 2 mi. Howard Ave., 20 ft., to Labute & Canuel, Tecumseh Rd. E., Tecumseh, $60,000.

Ont., Sandwich—Essex Co., concrete paving Alice and Russell Sts., to Cadwell Sand & Gravel Co., 228 Sandwich St., Windsor, $35,000.

Buildings—Industrial

Proposed Work

Vt., Pownal — CEMENT PLANT — Commonwealth Portland Cement Co., L. L. Griffiths, pres., 58 Pine St., New York, cement manufacturing plant. $1,000,000. Private plans. Noted May 10.

Mass., Chelsea (br. Boston) — WAREHOUSE—Texas Co., 31 St. James St., Boston, 2 story, 40 x 145 ft., brick, concrete addition, 109 Marginal St. $70,000. Private plans.

Conn., West Mystic—PLANT—Sea Sled Corp., J. A. Christen, mgr., brick boat-manufacturing plant. $250,000. Engineer and architect not selected.

N. Y., Brooklyn — GARAGE and GAS STATION — E. Leshnower, 1342 East 1st St., plans by M. Klein, 65 Court St., 100 x 100 ft., concrete, Coney Island Ave. and Avenue L. $60,000.

N. Y., Brooklyn—OIL STORAGE—Sinclair Refining Co., 45 Nassau St., New York, plans by T. W. White, company engr., altering and extending oil storage, Grand St. and Metropolitan Ave. bridge. $60,000.

N. Y., New York — BAKERY — Dalros Building Corp., G. Mostoff, pres., 277 Bway., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 1 story, 96 x 99 ft., brick, 172nd St. and Rosedale Ave. $40,000.

N. Y., New York — POWER STATION and SERVICE—Amer. Museum of Natural History, 77th St. and Columbus Ave., bids in December, general contract power station and service building, 77th St. and Columbus Ave. $750,000. Trowbridge & Livingston, 527 5th Ave., archts. Noted July 12 under "Buildings—Commercial."

N. Y., Sunnyside (mail Long Island City) — BAKERY — Stade Constr. Corp., 881 Ocean Parkway, Brooklyn, plans by Farber & Kalpin, 174 Pitkin Ave., Brooklyn, 1 story, 80 x 100 ft., brick, 43rd Ave. and 44th St. $50,000.

N. J., Plainsboro—PRINTING PLANT—Funk Printing Press Co., 150 Nassau St., New York, (1st unit) 1 story, 60 x 400 ft., brick printing plant.

N. J., Secaucus (Ind. br. West New York)—SILK FACTORY—Ecker & Lustgarten Silk Co., 470 5th Ave., New York, plans 2 story, 130 x 130 ft., brick, steel, plain found., Chestnut St. $50,000.

Pa., Phila. — POWER PLANT and GARAGE — Morris Wheeler Co., 30th and Locust Sts., power plant, garage and office building, Fox and Roberts Aves. $1,500,000. J. S. Simsohn, Broad and Girard Sts., engrs.

N. C., Asheville — RAYON PLANT — American Enka Corp., A. F. L. Moritz, vice-pres. and ch. engr., 114 East 32nd St., New York, viscose rayon plant, in Hominy Creek Valley, near here. $10,000,000. Lockwood, Greene & Co., 1 Pershing Sq., New York, engrs.

N. C., Durham — PLANT — Golden Belt Mfg. Co. plant addition, incl. 18 new full fashioned hosiery machines. $200,000.

La., Winnfield—POWER PLANT—See "Waterworks."

O., Cleveland — FACTORY — Gears & Forgings, Inc., 3010 Woodhill Rd., plans by Carter-Richards Co., archts. and engrs., 622 Engineers' Bldg., 3 story, basement, 72 x 72 ft., brick, steel addition. $50,000.

O., Cleveland—FACTORY—Eaton Axle & Spring Co., C. I. Ochs, pres., East 65th St. and Central Ave., plans by G. S. Rider & Co., Century Bldg., 1 story, 330 x 400 ft., brick, steel, East 140th St. and New York Central R.R. $500,000.

O., Dayton — GARAGE, REPAIR and SALES—G. R. Boeckling Motor Co., 1900 East 3rd St., 2 story, basement, 75 x 150 ft., brick, steel, plain found., East 3rd St. $100,000. Private plans.

Mich., Detroit—FACTORY—Lincoln Mfg. Co., 2630 Erskine St., plans by Kohler & Payne, 404 Kresge Bldg., 4 story, part basement, 85 x 100 ft., rein.-con., brick, plain found., Erskine St. $70,000.

Mich., Flint — FACTORY — A. C. Spark Plug Co., Harriet and Industrial Aves., 1 story, 144 x 275 ft., rein.-con., brick, steel, plain found., Industrial St. $150,000. Private plans.

Ill., Chicago — MACHINE FACTORY — General Engineering Works, 430 Division St., sketches plant, on 80,000 sq.ft. site, Division and Cicero Sts.

Neb., Hastings — FREIGHT DEPOT — Union Pacific R.R. Co., G. J. Adamson, asst. ch. engr., Omaha, soon takes bids 1 story, 44 x 428 ft., rein.-con., brick freight depot, incl. loading platform, Denver Ave. and South St. $225,000. Noted Dec. 8.

Texas — HYDRO-ELECTRIC PLANT — Central Power & Light Co., Frost Bldg., San Antonio, 7,500 hp. hydro-electric power plant in Maverick Co. $250,000. Private plans.

Tex., Edinburg — STORAGE PLANT — Pacific Fruit Express Co., 10,000 ton addition to storage plant. Private plans.

Tex., Port Aransas—CEMENT PLANT—Monolithic Portland Gulf Co., soon takes bids cement and paving material plant; also dredging slip, 600 ft. long, 300 ft. wide, 15 ft. deep, own forces. Total $2,500,000. Private plans.

Okla., Bartlesville — OIL REFINERY — Empire Oil & Gas Co. sketches new 10,000 bbl. oil refinery. $400,000. Private plans.

Okla., Sapulpa — LIGHT PLANT — City sketches electric light plant. $250,000. F. E. Lawrence, Sapulpa, engr.

Okla., Spavinaw — HYDRO-ELECTRIC PLANT—City of Tulso preliminary plans hydro-electric plant on Grand River near here. $500,000. B. M. Hart, City Hall, Tulsa, engr.

Wyo., Cody — REFINERY — Texas Co., West Travis St., San Antonio and 83 Lottman St., Houston, Tex., refinery. $250,000. Private plans.

Calif., Pittsburg — SUB-STATION — Pacific Gas & Electric Co., 245 Market St., San Francisco, sketches sub-station. $100,000. Private plans.

Calif., Los Angeles—CHEMICAL PLANT—Stauffer Chemical Co., Rives-Strong 60 x 150 ft. caustic soda building, 75 x 75 ft. acid plant, caustic soda and acid tanks, 2,000 tons capacity, 30 x 60 ft. administration building, and 25 x 60 ft. garage, brick, concrete, steel, Wilmington Ave. $750,000. Private plans.

Calif., San Francisco — FUMIGATION PLANT — California Cotton Mills, J. H. Miller, genl. mgr., Cotton and Railroad Aves., Oakland, 1 story, fireproof, 11,000 sq.ft. floor space, Berry St.

Calif., Tiburon — SHOP — Northwestern Pacific R.R. Co., G. H. Hicks, ch. engr., 64 Pine St., San Francisco, 1 story, steel, iron shop. $40,000.

Calif., Tracy — MILK CONDENSERY — Libby-McNeil & Libby, Merchants Exch. Bldg., San Francisco, milk condensery and powdered milk plant, brick. $40,000. Private plans.

Que., Hull—FACTORY—Mississippi Iron Wks. Ltd. soon takes bids new plant, Montcalm St.

Que., Hull—MATCH FACTORY—Company being formed soon takes bids replacing factory of Eddy Co., recently moved from city. $200,000. T. Lanctot, city engr.

Bids Desired

Mass., Belmont — SERVICE and REPAIR GARAGE — Town, c/o H. T. Underwood, archt., 46 Cornhill, Boston, taking bids 1 story, irregular sized, brick, stone, rein.-con., plain found., Waverly St. $40,000. Noted Sept. 6.

Mass., Brockton—GARAGE and REPAIR SHOP—Brockton Gas & Light Co., G. H. Priest, mgr., 54 Main St., taking bids 1 story, 125 x 125 ft., brick, steel, plain found., School St. $50,000. C. H. Tenney Co., 200 Devonshire St., Boston, engrs. Noted Jan. 12.

Mass., Chelsea (br. Boston)—FACTORY and OFFICE—Raffi & Swanson, 22 Custom House, Boston, taking bids 1 story, 50 x 65 ft., brick, stone, plain found., 1016 Bway. $40,000. W. T. Littlefield, 9 Hamilton Pl., Boston, archt. Noted Sept. 27.

Mass., Lynn—FACTORY—Bender Shoe Co., M. F. Costigan, 95 State St., taking bids altering 1 and 2 story, brick, plain found., incl. heating plant, 95 State St. $40,000 or more. Sanborn & Weed, Item Bldg., archts. Noted Aug. 23.

Mass., Medford (br. Boston)—SERVICE and REPAIR—Willard Welch Realty Co., 209 Washington St., Boston, taking bids 1 story, 60 x 80 ft., brick, steel, stone, plain found., Main St. $40,000. C. F. Springall, 84 Sprague St., Malden, archt.

Buildings—Industrial (Continued)

Mass., Quincy Point (mail Boston) — SERVICE and REPAIR GARAGE — J. Asnes, 83 Stewart St., Quincy, taking bids 1 story, irregular sized, brick, steel, plain found., Washington St. $40,000. J. W. Pratt, City Hall, Quincy, archt.

N. Y., Brooklyn—SHOP, etc.—Oct. 17, by Dpt. Mental Hygiene, Capitol, Albany, shop building, remodeling pump room, and power house, vegetable storage, at Brooklyn State Hospital; adv. E. N.-R. Oct. 4.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. J., Haledon (mail Paterson) — SILK PRINT MILL — See "Contracts Awarded."

N. J., Newark—MANUFACTURING—W. Clifford, Jr., archt., 293 Morris Ave., Elizabeth, taking bids on revised plans general contract 3 story, basement, 45 x 100 ft., brick, steel, plain found., Oraton St., for Delagrave Co., 829 Bway. $40,000. Noted Sept. 27.

N. J., Newark — SUB-STATION — See "Contracts Awarded."

Mo., St. Louis—MATTRESS FACTORY—See "Contracts Awarded."

Tex., Port Aransas—CEMENT PLANT—See "Proposed Work."

Contracts Awarded

Mass., Boston—PLANT—Maverick Mills, 144 Addison St., East Boston, 3 story, basement, brick, steel addition, plain found., to Frankini Bros. Co., 30 Mystic Ave., Medford. Est. $40,000.

Mass., Watertown (Ind. br. Boston)—FACTORY—F. C. Hersee Co., 47 Bacon St., 1 story, 50 x 100 ft., and 30 x 45 ft., rein.-con., brick addition, plain found., Bacon St., to L. C. Titus, 50 Lincoln St. Est. $40,000.

Mass., Woronoco — PLANT — Stratmore Paper Co., 4 story, 45 x 200 ft., rein.-con. addition, plain found., to L. S. Wood, 14 Stockbridge St., Springfield. Est. $160,000.

Conn., Buckland — POWER HOUSE — E. E. Hillard Co., 1 story, brick, power house and intake, to Manchester Constr. Co., 875 Main St., South Manchester.

N. Y., Brooklyn—SERVICE GARAGE—Marion Reid Garage, Inc., L. Rosenberg, pres., 391 Fulton St., 2 story, 100 x 159 ft., Atlantic and Brooklyn Aves., separate contracts and day labor. $100,000. Kleirnert & Klie, 250 Park Ave., New York, archts. Noted Sept. 13.

N. Y., Maybrook — ENGINE HOUSE — New York, New Haven & Hartford R.R. Co., Grand Central Terminal, New York, brick, steel addition, to H. Wales Lines Co., 134 State St., Meriden, Conn. Est. $50,000.

N. J., Haledon (mail Paterson) — SILK PRINT MILL — Kapo Silk Dye Plant, 269 Morrisee Ave., 2 story, basement, 55 x 130 ft., rein.-con., brick, steel addition, plain found., separate contracts. $75,000. J. C. Van Vlandren, 140 Market St., Paterson, archt.

N. J., Newark — SUB-STATION — Pub. Serv. Electric & Gas Co., 80 Park Pl., 2 story, basement, 40 x 70 ft., brick, steel, plain found., 1223-9 Broad St., separate contracts. $60,000. Pub. Serv. Production Co., 80 Park Pl., archts. Noted Sept. 27.

Pa., Columbus — INDUSTRIAL — Armstrong Furnace Co., 1 story, brick, steel industrial buildings, to Rust Eng. Co., Amer. State Bank Bldg., Pittsburgh, Pa. Est. $50,000.

Md., Baltimore—SERVICE STATION—International Harvester Co., 81 Mosher St., 1 story, mezzanine, 125 x 260 ft., rein.-con., brick, steel, to J. L. Robinson Constr. Co., 522 Park Ave., $105,000. Noted Sept. 20.

N. C., Greensboro—HOSIERY MILL—Adam Hillis, Inc., Highpoint St., 3 story, basement, 107 x 130 ft., brick, steel, rein.-con., plain found., to W. F. Lotz, Frankford and Oxford Sts., Phila., Pa.

Ga., Augusta — HYDRO-ELECTRIC PLANT — Savannah River Electric Co., subsidiary Southeastern Power & Light Co., 120 Bway., New York, hydro-electric plant on Savannah River above here. $20,000,000. Owner builds.

O., Cleveland—FACTORY—Forest City Walworth Run Foundries Co., W. J. Strangward, pres., 2500 West 27th St., rebuilding 4 story, basement, brick, steel, West 27th St. and New York, Chicago & St. Louis R.R., to S. W. Emerson Co., 1836 Euclid Ave. Est. $50,000.

O., Cleveland—FACTORY—Western Reserve Mfg. Co., 3710 East 93rd St., 1 story, 32 x 110 ft., steel, to Truscon Steel Co., 4614 Prospect Ave. Est. $40,000.

O., Cleveland—GARAGE and SERVICE—Cleveland Clinic Foundation, c/o A. Perkins, secy., East 93rd St. and Euclid Ave., 100 x 300 ft., concrete, brick, steel, Carnegie Ave. and East 90th St., to L. W. Lapp, 2020 Brunswick Rd. Est. $200,000.

O., Cleveland — LAUNDRY — West End Laundry Co., A. J. Salder, pres., 10610 Madison Ave., 1 and 2 story, 60 x 115 ft., brick, steel addition, to Bert Shields Co., Union Mortgage Bldg. Est. $40,000. Noted Sept. 20.

O., Dayton—FACTORY—Delco-Remy Co. (subsidiary General Motors) 329 East 1st St., 1 story, basement 75 x 120 ft., brick, steel, plain found., 1st St., to Hillsmith & Co., Winters Bank Bldg., $46,000.

Ind., Anderson — INDUSTRIAL — Natl. Tile Co. (1st unit), 1 story, 90 x 415 ft., rein.-con., brick, steel, 26th and Lynn Sts., to Ethelman & Sons, Anderson. Est. $75,000.

Ind., Indianapolis — LAUNDRY — Fame Laundry Co., 27 North Capital St., 4 story, basement, 90 x 205 ft., rein.-con., brick, to Foster Eng. Service Co., 726 Knights of Pythias Bldg. Est. $200,000. Noted Aug. 30.

Ind., South Bend—FACTORY—Indiana Lumber Mfg. Co., general contract 2 story, 34 x 160 ft., brick, steel, 742 South Michigan St., to C. A. Jordan, 725 Wilbur St. Est. $47,000.

Mich., Detroit—FACTORY—Briggs Mfg. Co., 11631 Mack Ave., 1 story, 140 x 370 ft., rein.-con., brick top addition, Warren Ave., to Otto Misch Co., 159 East Columbus St. Est. $80,000.

Mich., Detroit—FACTORY and POWER PLANT—Fisher Body Corp., Genl. Motors Bldg., 1 story, 100 x 800 ft. power plant, 2 story, 40 x 100 ft. factory, rein.-con., brick, steel, to J. A. Utley Co., 729 Penobscot Bldg. Noted Sept. 27.

Mich., Grand Rapids — BAKERY — Holland American Wafer Co., 1823 South Division Ave., 2 story, basement, 44 x 100 ft., concrete, brick, steel, plain found., South Division Ave., to Osterink & Voss, 1621 Grandville St. S. W. Est. $40,000.

Mich., Grand Rapids—BAKERY—Kroger Baking & Grocery Co., 817 Main St., Cincinnati, O., bakery addition, Buchannan St., to Owen-Ames-Kimball, Pearl St., $50,000.

Mich., Grand Rapids—COLD STORAGE—Pere Marquette R.R., H. A. Cassil, ch. engr., Detroit, 4 story, basement, 60 x 160 ft., rein.-con., brick, plain found., Ottawa St., to Owen-Ames-Kimball, Pearl St. Est. $250,000.

Mich., Grand Rapids—FACTORY—Grand Rapids Store Equipment Co., Monroe Ave. N. W., 1 story, basement, 100 x 166 ft., and 40 x 100 ft., brick, steel addition, plain found., Monroe St., to Owens-Ames-Kimball, Pearl St. Est. $50,000.

Mich., Lansing—FACTORY—Olds Motor Wks., 1101 Division St., 2 story, brick, steel, plain found., to Reniger Constr. Co., 127 North Cedar St. Noted Sept. 13.

Mich., Muskegon—GARAGE and OFFICE—Muskegon Co. Road Comn., Court House, 1 story, 80 x 202 ft. garage and 2 story, basement, 40 x 85 ft. administration building, rein.-con., brick, steel, Getty St., to J. J. Olson & Son, Muskegon, $64,500.

Mich., Saginaw—FACTORY and WAREHOUSE—Schust Co., 401 Congress St., 5 story, basement, 52 x 130 ft., rein.-con., brick, plain found., Congress St., to Sorenson & Grosse, 708 Genessee Bank Bldg., Flint. Est. $150,000.

Ill., Chicago—BAKERY—Chicago Pie Co., 328 Paulina St., masonry contract 1 story, 120 x 130 ft., 2430-40 West Congress St., to W. Thompson, 1757 North Keeler Ave.; carpentry, to G. Wallentin, 1757 North Keeler Ave. Est. $40,000.

Ia., Sioux City — COLD STORAGE — Cudahy Packing Co., A. F. Mills, supt., 4 story, 54 x 146 ft., rein.-con., brick, at Stock Yards, also changing sewers and water lines, wrecking old buildings on site, to E. A. Whitney, 619 5th St. Est. $200,000. Noted Sept. 13.

Minn., Rochester — LAUNDRY — Kahler Corp., general contract 5 story, basement, 66 x 130 ft., rein.-con., brick, to G. Schwartz & Co., 1151½ South West 3rd St. Est. $150,000.

N. D., Fargo—FACTORY—Fargo Food Products Co., P. J. Martin, secy., 301 Front St., general contract 3 story, basement, 50 x 100 ft., with 25 x 25 ft. tower, brick, 8th St. and 5th Ave. N., to T. F. Powers & Co., 419 8th St. N. Est. $60,000.

Mo., Koch — POWER PLANT — Bd. P. Serv., City Hall, St. Louis, 1 story, basement, rein.-con., brick addition to power plant at Robert Koch Hospital, to Voepel Constr. Co., 1113 Sidney Ave., St. Louis, $11,770; 500 hp. boiler, stoker and breeching, to Combustion Eng. Corp., 5319 Shreve Ave., $37,550. Noted Aug. 23.

Mo., St. Louis—MATTRESS FACTORY—Sanitary Mattress Co., c/o J. Kerkowitz, 1016 North 10th St., 40 x 80 ft. and 76 x 125 ft., concrete, brick, 5147-51 Brown Ave., separate contracts.

Tex., Port Aransas—CEMENT PLANT—See "Proposed Work."

Calif., Huntington Park—SHOP—Byron-Jackson Pump Mfg. Co., 2150 East Slauson Ave., brick, steel addition, East Slauson Ave., to Hamm, Grant & Brunner, Inc., Ferguson Bldg., Los Angeles. Est. $55,000.

Calif., Los Angeles—PRODUCE, WAREHOUSE and OFFICE—Central Mfg. Dist. Corp., 1 story, 100 x 600 ft. timber produce building, and 2 story, 100 x 200 ft. concrete office and warehouse addition, to W. P. Neil Co., Inc., 4814 Loma Vista Ave.

Calif., San Francisco — FACTORY — Premier Bed & Spring Co., 5700 3rd St., 1 story, rein.-con. addition, 3rd and Bancroft Sts., to Industrial Constr. Co., 815 Bryant St., $60,000.

Calif., San Pedro — WAREHOUSE — Pacific Seaboard Fireproof Warehouse Corp., c/o Jones & Edwards, engrs., 5880 Maywood Ave., Maywood, 6 story, basement, 165 x 300 ft., steel, O'Farrell and Beacon Sts., to McRoy Constr. Co., Pacific Natl. Bank Bldg., Los Angeles.

Calif., West Sacramento—MILL—Capital Ryde Rice Mill, C. A. Morse, 310 California St., San Francisco, to E. L. Younger, Woodland, $200,000.

Ont., Galt—SILK MILLS—Riverside Silk Mills, 2 story, basement, 91 x 100 ft., brick, steel, Melville St., to J. S. Webster, Water St.; steel, to London Structural Steel Co., Burslem St., London. Est. $45,000.

Ont., Hamilton — FOUNDRY — International Harvester Co., 1 story, 75 x 120 ft., steel addition, Sherman Ave. N., to Humphrey Bros., 214 Wellington St. E., steel, to Hamilton Bridge Co., Hamilton. Est. $45,000.

Ont., Woodstock—FACTORY—LaFrance Plushes, Dundas St., 2 story, 80 x 175 ft., brick addition, to Dunker Bros., 58 Louisa St., Kitchener. Est. $100,000.

B. C., Victoria — COLD STORAGE — Victoria Cold Storage & Terminal Warehouse Co., 5 story, rein.-con., steel, Ogden Point, to Luney Bros. Ltd., Saywood Bldg., $400,000.

Buildings—Commercial

Proposed Work

N. H., Nashua — HOTEL—The Tavern, c/o J. H. Gile, 19 Main St., sketches by Hutchins & French, 11 Beacon St., Boston, altering and reconstructing hotel, 19 Main St. $150,000.

Mass., Boston — BANK and OFFICE — H. E. Winslow, 30 State St., plans by Parker, Thomas & Rice, 177 State St., 14 story, basement, 60 x 210 ft., rein.-con., steel, limestone, plain found., State and Exchange Sts. Est. exceeds $150,000.

Mass., Boston — DEPARTMENT STORE — William Filenes Sons Co., 426 Washington St., altering 4 story, basement, brick, plain found., Washington and Franklin Sts. $150,000 or more. Private plans.

Mass., Boston—HOSPITAL—City, G. E. White Fund, City Hall, sketches by Coolidge, Shepley, Bulfinch & Abbott, Archts., Ames Bldg., 2 story, basement, brick, health unit, Blue Hill Ave. and Savin St. $150,000.

Mass., Cambridge (br. Boston)—APARTMENT and OFFICE—Beck Hall Realty Co., c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, 10 story, basement, brick, stone, 1201 Massachusetts Ave. $2,000,000.

Mass., Fall River—LABOR TEMPLE—Fall River Unit T. M. Co., J. P. Reid, 20 Olneyville Sq., Providence, R. I., temple, Mulberry St. To exceeds $150,000. Engineer and architect not selected.

Mass., Lawrence — HOSPITOL — City, J. J. Deacy, chn. Bd. Health, soon takes bids (3 unit) 2 story, basement, brick, rein.-con., plain founds., south bank Merrimac River, west of Bway. To exceed $150,000. Ashton, Huntress & Alter, Essex St., archts. Noted Aug. 9.

Mass., Lowell — HOSPITAL — Middlesex Co. Comn., E. B. Barlow, Court House, tuberculosis hospital. $250,000. Engineer and architect not selected.

Mass., Monson—EMPLOYEES HOME—Commonwealth of Massachusetts, State Dpt. Mental Diseases, State House, Boston, soon takes bids 3 story, basement, 35 x 120 ft., and 35 x 35 ft. male employees home, rein.-con., brick, plain founds. $150,000 or more. G. Robb, 14 Beacon St., Boston, archt.

Mass., Swampscott — HOTEL — W. J. Snow, c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, soon takes bids 7 story, basement, 130 x 240 ft., rein.-con., brick, steel, plain found., Humphreys St. $700,000. Noted May 10.

N. Y., Astoria — APARTMENT — Yuban Realty Corp., 13 Court St., Brooklyn, plans by M. Rothstein, 186 Joralemon St., Brooklyn, 6 story, 59 x 164 ft., brick, timber, Newtown Ave. and Creston St. $325,000.

N. Y., Brooklyn—APARTMENT—J. Carner, 16 Court St., plans by M. Rothstein, 186 Joralemon St., 6 story, 87 x 100 ft.,

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Buildings—Commercial (Continued)

brick, timber, Nostrand Ave. and Farragut Rd. $185,000.

N. Y., Brooklyn — APARTMENT — Five Tennis Court Corp., M. Blecker, pres., 885 Flatbush Ave., plans by W. T. McCarthy, 159 Remsen Ave., 6 story, 110 x 158 ft., Tennis Court and 18th St. $500,000.

N. Y., Brooklyn—APARTMENT—Footwell Realty Corp., C. Fredman, pres., 26 Court St., plans by Cohn Bros., 361 Stone Ave., 6 story, 67 x 80 ft., brick, timber, 47th St. and 14th Ave. $150,000.

N. Y., Brooklyn—APARTMENTS—Redboro Realty Corp., F. F. Feit, in charge, 460 East 95th St., plans by P. L. Kieswetter, 16 Court St., ten 3 story, 22 x 80 ft., brick, timber, 19th St. and Avenue W. $200,000.

N. Y., Brooklyn—APARTMENT—Tawers Constr. Co., 7501 Ridge Blvd., M. A. Orlian, pres., plans by Prober & Blaufeux, 66 Court St., 6 story, 99 x 100 ft., 3rd Ave. and 81st St. $225,000.

N. Y., Brooklyn—BANK and OFFICE—Bank of Manhattan, 161-10 Jamaica Ave., Jamaica, 2 story, 48 x 105 ft., Manhattan and Milton Aves. $150,000. Private plans.

N. Y., Brooklyn—GARAGE and APARTMENT—S. Gilewitz, 494 East 96th St., plans by J. J. Cohan, 447 Rockaway Ave., 3 story, brick, timber. East 96th St. and Avenue B. $150,000.

N. Y., Brooklyn — STORE and THEATRE — Homack Constr. Co., A. W. Schwartz, 152 West 42nd St., plans by R. T. Short, 370 Macon St., 2 story, 84 x 202 ft., brick, steel, Voorhies Ave. and Sheepshead Bay Rd. $400,000.

N. Y., Flushing—APARTMENT—Setlin Realty Corp., 1482 Bway., New York, plans by S. H. Eccles, 76 Hoyt St., Astoria, 6 story, 85 x 115 ft., brick, timber, Franklin Ave. and Kissena Blvd. $180,000.

N. Y., Jamaica—BANK—Mechanics Bank, 159-17 Jamaica Ave., sketches by Holmes & Winslow, 153 East 38th St., New York, 2 story, bank, 159-17 Jamaica Ave.

N. Y., New York—APARTMENT—Adeline Building Co., D. Newhaus, pres., 541 East 171st St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, brick, steel, Andrews Ave. and 176th St. $250,000.

N. Y., New York—APARTMENT—Ashwood Realty Corp., S. Silver, pres., 215 West 75th St., plans by G. E. Pelham, 570 7th Ave., 16 story, brick, timber, 400 East 58th St. $1,150,000.

N. Y., New York—APARTMENT—Central Park Properties, Inc., 1351 Bway., A. E. Lefcourt, pres., 19 story, 200 x 202 ft., brick, steel, 153 West 58th St. $4,000,000. Private plans.

N. Y., New York — APARTMENTS — Grand Concourse Apartments, Inc., 332 East 149th St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 202 x 244 ft. $850,000, 6 story, 117 x 150 ft. $350,000, and 6 story, 82 x 161 ft. $300,000, all brick, timber, 196th St. and Valentine Ave.

N. Y., New York — APARTMENT — Guerlain Building Corp., N. Fink, pres., 20 Northern Ave., plans by G. G. Miller, 1482 Bway., 6 story, brick, timber, Guerlain St. and Taylor Ave. $200,000.

N. Y., New York—APARTMENT—Hudsoncliff Building Co., H. Kranichfeld, treas., 286 Audubon Ave., plans by G. A. Bagge & Son, 157 East 44th St., 6 story, 90 x 170 ft., brick, timber, 925 West 167th St. $400,000.

N. Y., New York—APARTMENT—Mariangelo Euscuolt, 29 West 182nd St., plans by P. Lubroth, 283 East Kingsbridge Rd., 6 story, 90 x 100 ft., brick, timber, Davidson Ave. and 182nd St. $200,000.

N. Y., New York — APARTMENT — Ninety-Eight Riverside Drive Corp., R. N. Silverman, pres., 2095 Bway., plans by G. E. Pelham, 570 7th Ave., 16 story, brick, steel, 99 Riverside Dr. $1,150,000.

N. Y., New York—APARTMENT—One Thousand Seven Hundred Fifty Van Buren Street Corp., M. Wurtzel, pres., 1315 Webster Ave., plans by S. Pelton, 55 West 42nd St., 6 story, brick, timber, Kingsbridge Rd. and 236th St. $250,000.

N. Y., New York — APARTMENT — Paulbro Realties, Inc., M. Heller, pres., 4197 Park Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 82 x 100 ft., brick, timber, 211th St. and Wayne Ave. $200,000.

N. Y., New York—APARTMENT—Penrose Holding Corp., F. C. Ingolia, pres., 1001 Morris Ave., plans by E. R. Kane, 1044 East Tremont Ave., brick, timber, Fowler and Van Nest Aves. $290,000.

N. Y., New York—APARTMENT—Rayan Building Co., Inc., S. Derfner, pres., 1710 Montgomery Ave., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 75 x 193 ft., brick, timber, Lydig Ave. $380,000.

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N. Y., New York—APARTMENT—Rayan Building Corp., 1710 Montgomery St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 75 x 133 ft., brick, timber, Lydig Ave. near Wallace Ave. $300,000.

N. Y., New York—APARTMENT—Rujan Realty Corp., J. Janors, pres., 349 East 149th St., plans by D. M. Oltarsh, 36 West 44th St., 6 story, 90 x 150 ft., brick, timber, Fteley Ave. and 172nd St. $150,000.

N. Y., New York—APARTMENT—Three Hundred Thirty-Nine Central Park West, Inc., E. A. Levy, pres., 505 5th Ave., plans by Schwartz & Gross, 347 Madison Ave., 15 story, 25 x 170 ft., brick, steel, 337 Central Park West. $1,000,000.

N. Y., New York—APARTMENT—Warner Realty Corp., M. Goldstein, 1636 Nelson Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 78 x 93 ft., brick, timber, Inwood Ave. and 172nd St. $150,000.

N. Y., New York—COURT and PRISON—Dpt. Correction, Municipal Bldg., bids in February or March, 5 story, brick, steel, 6th Ave. and 10th St., $600,000. B. W. Leviton, 100 East 42nd St., archt. Noted Sept. 29, 1927.

N. Y., New York—GARAGE and SERVICE STATIONS—Gil Kennedy Realty Corp., 39 Whitewood Ave., New Rochelle, plans by J. P. Boyland, 305 East Kingsbridge Rd., two 1 story, 90 x 100 ft., and 90 x 103 ft. brick, concrete, Jerome Ave. and 181st St. $200,000.

N. Y., New York—OFFICE, LOFT and STORAGE—M. P. B. Realty Corp., M. Barkin, pres., 64 West 48th St., plans by G. and E. Blum, 415 Lexington Ave., 16 story, 48 x 100 ft., 42 West 46th St. $250,000.

N. Y., New York—OFFICE—Seventy-One Bway. Corp., W. J. Filbert, pres., 71 Bway., plans by J. C. Westervelt, 36 West 34th St., 21 to 22 story top addition, pent house, mezzanine. $200,000.

N. Y., New York—STORE and OFFICE—Two Hundred Seventy Bway. Corp., R. E. Boling, pres., 55 Bway., plans by E. H. Faile Co., 441 Lexington Ave., 28 story, 50 x 242 ft., brick, steel, 270 Bway. and 74-86 Chambers St. $2,500,000.

N. Y., Rhinebeck — HOTEL — Rogers Island, Inc., c/o Cohan & Goldman, 527 Atlantic Ave., Brooklyn, bids latter part October, hotel, Rogers Island. $500,000. W. A. Swasey, 1819 Bway., New York, archt.

N. Y., Yonkers — APARTMENT — Tunis Building Corp., c/o E. DeRosa, archt., 15 West 44th St., New York, brick, timber, Tuckahoe Rd. $600,000.

N. Y., Yonkers — CLUB — Mayflower Country Club, B. Rottenberg, in charge, 455 7th Ave., New York, sketches by C. C. Wendehack, 101 Park Ave., New York, club, Arthur and Woodlow Rds., Rossville. $200,000.

N. J., Atlantic City—APARTMENT—C. F. Wahl, 33 South Pennsylvania Ave., plans by V. B. Smith, Guarantee Trust Bldg., 6 story, basement, 130 x 150 ft., rein.-con., brick, steel, plain found., 19 South Pennsylvania Ave. $500,000.

N. J., Bloomfield — APARTMENT — Owner, c/o E. R. Coe, archt., 136 Washington St., Paterson, sketches 4 story, basement, brick, steel, plain found. $150,000.

N. J., Bradley Beach — APARTMENT — Wolfson Constr. Co., 85 2nd Ave., Long Branch, sketches by S. Cohen, 130 Branford Pl., Newark, 3 story, basement, 86 x 150 ft., brick, steel, plain found., 2nd Ave. $150,000.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten Ave., Passaic, sketches by J. De Rose, 199 Ellison St., Paterson, 4 story, basement, 90 x 100 ft., brick, steel, plain found., Union Ave. and Putnam Pl. $150,000.

N. J., Elizabeth—APARTMENT—Owner, c/o W. Clifford, Jr., archt., 293 Morris Ave., 3 story, basement, brick, 642 Adams St. $150,000.

N. J., Jersey City — APARTMENT — B. Clott, 129 Stevens Ave., 5 story, basement, brick, steel, plain found., 115-17 Fairview Ave. $150,000.

N. J., Jersey City — APARTMENTS — Greater New York Housing Corp., c/o Branleygran Co., 24 Journal Sq., fifty 3 story, basement, brick, Mallory, Roosevelt, Clendenny and Marcy Aves. $1,000,000.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT — D. I. M. Corp., R. De Consoli, 59 Bergenline Ave., Guttenberg, 5 story, basement, brick, steel, Grand and Central Aves. $200,000. Engineer and architect not selected.

N. J., Newark — APARTMENT — Composite Constr. Co., c/o R. Bottelli, archt., 45 Branford Pl., sketches 5 story, basement, brick, steel, plain found., 720 Sanford St. $150,000. Steam heating.

N. J., Newark — APARTMENT and STORES—Tenro Development Co., Inc., c/o H. F. Clark, archt., 38 Clinton St., sketches 5 story, basement, 100 134 ft., brick, steel, 321 North Prospect St. $250,000. Steam heating.

N. J., Newark—STORES and OFFICE—G. Grossman, 176 Wegeman Parkway, Jersey City, 4 story, basement, brick, steel, plain found., Stuyvesant Ave. and Underwood St. $150,000. Steam heating.

N. J., Newark—WAREHOUSE—R. H. Macy & Co., Inc., J. Timkins, in charge, Bway. and 34th St., New York, sketches by R. D. Kohn, 56 West 45th St., New York, brick, steel, plain found., on site 329 x 359 ft., Frelinghuysen Ave. $200,000.

N. J., New Brunswick — OFFICE and WAREHOUSE—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, sketches by Pub. Serv. Production Co., 80 Park Pl., Newark, 2 story, basement, 90 x 158 ft., rein.-con., brick, plain found., Baldwin Ave. $150,000.

N. J., New Brunswick—WAREHOUSE, OFFICE and GARAGE—Standard Oil Development Co., Jersey Ave., 1 story, 60 x 80 ft. warehouse, and 1 story, 46 x 104 ft. office and garage, both concrete, hollow tile, paving, grading, railroad trestle, 4 track steel loading platform, Jersey Ave. $150,000.

N. J., Orange—APARTMENT—J. Zingalli, Glen Ridge Ave., Montclair, rejected bids 4 story, basement, 90 x 132 ft., brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nuciforone, 206 Central Ave., archt. Noted Sept. 13.

N. J., West New York—APARTMENT—N. Speranza & G. Betti, 147 Summit Ave., Cliffside, sketches 5 story, basement, brick, steel, plain found., 152-60 16th St. $150,000. Private plans. Noted Sept. 20.

N. J., Westwood—BANK and OFFICE—Westwood Trust Co., 32 Westwood Ave., 5 story, basement, brick, steel, plain found., on 50 x 100 ft. site, Bway. and Westwood Ave. $150,000. Engineer and architect not selected.

Pa., Altoona—HOSPITAL—Altoona Hospital, Inc. plans by Hunter & Caldwell, Central Trust Bldg., brick, steel addition, Howard Ave. $350,000.

Pa., Jenkintown — APARTMENTS — Owner, c/o J. Ethan Fieldstein, archt., Oak Bldg., Phila., two 3 story, basement, brick, steel, plain found. $150,000 each.

Pa., Phila.—APARTMENT—S. S. Eveland, Franklin Trust Bldg., bids in 6 weeks general contract 7 story, brick, steel, stone, concrete, 5950 Overbrook Ave. $1,500,000. E. A. Keeler, 420 Lexington Ave., engr., and L. V. Sweezey, 551 5th Ave., archt., both New York.

Pa., Phila.—OFFICE and GARAGE—Kal Wold Corp., Widener Bldg., plans by Ritter & Shay, Packard Bldg., 20 story, basement, 107 x 158 ft., rein.-con., brick, steel, plain found., 20th and Ludlow Sts.

Pa., Washington—WAREHOUSE—Hazel Atlas Glass Co. soon lets contract 2 story, brick, concrete, steel warehouse. $150,000. Private plans.

Md., Crisfield—HOTEL—Crisfield Hotel, c/o J. O. Blair, archt., 330 St. Paul St., rejected bids 6 story, basement, 90 x 130 ft., brick, steel, stone hotel.

Ga., Atlanta—HOTEL—Thrower Realty Co., Thrower Bldg., plans by S. D. Trowbridge, Forsyth Bldg., 11 story, basement, rein.-con., brick, steel, plain found., Mitchell and Forsyth Sts. $500,000.

Fla., Jacksonville—SALES and SERVICE—Kirby-Nolan Co., soon lets contract 3 story, basement, 104 x 125 ft., rein.-con., steel sales and service building.

Miss., Corinth—HOTEL and THEATRE—Corinth Chamber of Commerce, c/o M. T. Sharp, secy., sketches 5 story, basement, 100 x 110 ft., brick, stone, concrete, terra cotta. $275,000.

La., Monroe—MEDICAL ARTS—Syndicate, c/o W. S. Kendall, Monroe, sketches medical arts and hospital building.

La., Shreveport—APARTMENT—J. B. White, Dallas, Tex. and H. Atkins, City Bank Bldg., sketches 3 story, rein.-con., brick, terra cotta, Gladstone and Centenary Sts. $160,000.

Ky., Louisville — APARTMENT — D. K. Murphy & Bro., archt., Louisville Trust Bldg., soon let contract 9 story, basement, 60 x 135 ft., rein.-con., brick, steel, 2nd and York Sts., for W. H. Smith, St. Louis, Mo. $450,000.

Ky., Louisville—HOSPITAL—A. Loomis, archt., Todd Bldg., soon lets contract 4 story, basement, 37 x 90 ft., rein.-con., brick, steel, Floyd and Kentucky Sts., for Jewish Hospital Assn., Floyd and Kentucky Sts. $150,000. Noted Sept. 20.

Ky., Louisville—STORE and OFFICE—F. Levy & H. Greenstein, c/o Realty Enterprises, Inc., M. E. Taylor Bldg., sketches 4 story, basement, 76 x 204 ft., 4th St. $250,000. Engineer and architect not selected.

O., Akron—COMMISSION—E. H. Weiner Co. plans by Wilbur, Watson & Associates, 4614 Prospect Ave., Cleveland, 3 story, basement, 130 x 130 ft., rein.-con., brick. $300,000.

O., Cleveland — THEATRE, GARAGE, STORE and APARTMENT—A. E. Meade, c/o Yeager & Crothers, archts., 601 Swetland Bldg., sketches 2 story, concrete, brick, steel, Triskett and Berea Rds. $1,000,000.

Buildings—Commercial (Continued)

Ind., Logansport — THEATRE — J. I. Barnes sketches by W. G. Rammel, 60 x 165 ft., brick, steel theatre. $325,000.

Ind., Rushville—BANK—Rushville Bank, W. Stiers, cashier ,plans by McGuire & Shook, North Meridian St., Indianapolis, brick, steel. $150,000.

Mich., Battle Creek — WAREHOUSE — Nichols & Shepard Co., Marshall St. and Grand Trunk R.R., plans by A. Kahn, Marquette Bldg., Detroit, 2 story, part basement, 100 x 500 ft., rein.-con., brick, steel, plain found., Marshall St. $175,000.

Mich., Detroit — AUTO TESTING — Graham Paige Motors Corp., 8505 West Warren Ave., 2 story, 100 x 480 ft., rein.-con., brick, plain found., Lonyo Rd. $200,000. Private plans.

Mich., Detroit—OFFICE TERMINAL—Detroit International Bridge Co., 1706 Dime Bank Bldg., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 2 story, basement, 45 x 175 ft., 1 story, 12 x 60 and 18 x 35 ft., rein.-con., brick, steel, plain found., 21st St. $175,000. McClintic Marshall Co., Oliver Bldg., Pittsburgh, Pa., engrs.

Mich., Detroit—STORE and OFFICE—Cunningham Drug Co., 1065 Woodward Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 4 and 6 story, 80 x 120 ft., rein.-con., brick, steel, plain found., Griswold St. $350,000.

Ill., Blue Island — CLUB — Lake Ann Country Club, 9100 South Western Ave., plans by E. A. Nitsche, 28 East Huron St., Chicago, 3 story, irregular shaped, brick, 131st St. and Highland Ave. $400,000.

Ill., Chicago—STORE—Mid-West Apparel Co., c/o Mundie & Jensen, archts., 39 South La Salle St., soon takes bids 6 story, basement, 45 x 120 ft., brick, steel, stone. $600,000.

Ill., Granite City — HOSPITAL — St. Elizabeth's Hospital revised plans by Klutho, Ranft & Klutho, Syndicate Trust Bldg., St. Louis, Mo., 4 story, basement, rein.-con., brick, stone addition Madison St. $350,000.

Ill., Mattoon—STORE and OFFICE—R. A. Lampkin, c/o Berger & Kelley, archts., Lincoln Bldg., Champaign, soon takes bids 6 story, basement, rein.-con., brick, stone, 17th and Charleston Sts. $175,000

Kan., Topeka — HOSPITAL — Security Benefit Home & Hospital, c/o J. M. Kirkpatrick, pres., plans by W. E. Glover, 514 Mulvane Bldg., 3 story, 30 x 40 ft. with two 40 x 100 ft. wings, and 30 x 30 ft. tower, 150 ft. high, all rein.-con., brick. $350,000.

Mo., St. Louis—APARTMENT—Koplar Co., c/o S. Koplar, 265 Union Blvd., soon takes bids 15 story, basement, 66 x 130 ft., rein.-con., brick, steel, stone, terra cotta, Lindell Blvd. near Euclid Ave. $750,000. L. O. Schopp, 114 North 7th St., archt.

Mo., St. Louis—COMMERCIAL—Mauran, Russell & Cromwell, archts., 1620 Chemical Bldg., soon let contract 5 story, basement, 25 x 127 ft., rein.-con., brick, terra cotta, 409 North Bway., for E. Riley, c/o F. R. Harris Realty Co., North 4th St. Noted Sept. 20.

Tex., Houston — EXCHANGE—Southern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., soon takes bids 4 story, 90 x 110 ft., rein.-con., brick top addition. I. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt. Noted Aug. 16.

Tex., Houston—HOTEL—Salvation Army, c/o W. A. Turner, 1219 Providence St., 4 story, 110 x 160 ft., brick, stone, rein.-con., Franklin Ave. $350,000. J. W. Murdock, 801 Kirby Bldg., archt.

Okla., Oklahoma City—APARTMENT—M. Corbin, 1414 West 36th St., plans by Hawk & Parr, Cotton Exch. Bldg., 10 story, basement, 147 x 200 ft., rein.-con., brick, plain found., 10th and Harvey Sts. $500,000.

Okla., Tulsa—HOSPITAL—Knights of Pythias, 703 South Main St., sketches 3 story, basement, 100 x 160 ft., brick, plain found. $180,000.

Okla., Tulsa—STORE—F. W. Dye, 1003 North Denver St., plans by F. W. Redlich, Stillwater, 3 story, basement, 120 x 160 ft., rein.-con., brick, plain found., 7th St. $200,000.

Wash., Everett — CITY HALL — City Comrs. plans by A. H. Albertson, Henry Bldg., Seattle, 3 story, basement, 120 x 150 ft., terra cotta, stone, Wetmore Ave. and Wall St. $225,000.

Wash., Seattle — HOSPITAL — Dawland Maternity Inn., Inc., c/o V. W. Voorhees, archt., Lloyd Bldg., soon lets contract 7 story basement hospital, Summit and University Sts. $300,000.

Ore., La Grande — COURT HOUSE — Union Co. plans by Tourtellotte & Hummel, Postal Bldg., Portland, new fireproof court house on old court house site. $150,000.

Ore., Portland — APARTMENT — Y. W. C. A., Y. M. C. A. Bldg., plans by Lawrence, Holford, Alyn & Bean, Chamber of Commerce Bldg., 9 story, basement, 100 x 100 ft., rein.-con., solid rock found., 14th and Main Sts. $300,000 or more.

Calif., Alameda—APARTMENT—C. L. Traver, 2315 Santa Clara Ave., 5 story, basement, Class "A," incl. basement garage, Hawthorne and Caroline Sts. $500,000. Engineer and architect not selected.

Calif., Bishop—HOTEL—Owner, c/o C. F. Whittlesey, archt., 618 South-Western Ave., Los Angeles, 2 story, 180 x 180 ft., rein.-con. $150,000.

Calif., Eureka—HOSPITAL—F. M. May, clk. Humboldt Co., revised plans by F. T. Georgeson, Eureka, hospital. $425,000. Noted Nov. 10, 1927.

Calif., Fresno — HOTEL — A. Mattei, Mattei Bldg., 4 story, basement, fireproof, Bway. and Fresno St. $150,000.

Calif., Los Angeles—APARTMENT—A. L. Gindling plans by Hiller & Sheet, archts. and engrs., 328 Story Bldg., 6 story, basement, 50 x 117 ft., stone, tile, 4649 Beverly Blvd. $200,000.

Calif., Los Angeles—CLUB—Pacific Electric Ry. Co., South Los Angeles St., sketches by J. and D. B. Parkinson, 808 Title Insurance Bldg., 5 story, basement, 50 x 150 ft., marble, tile, rein.-con., incl. ballroom, swimming pool, gymnasium, South Los Angeles St. $300,000.

Calif., Los Angeles — STORE and APARTMENT — W. B. Hess & Co., 426 Merchants Natl. Bank Bldg., sketches by L. Selden, 508 Byrne Bldg., 3 story, basement, 60 x 325 ft., brick, tile, Pasadena Ave. $200,000.

Calif., Los Angeles—STORE—P. & M. Department Store sketches by H. S. Johnson, 1122 Story Bldg., 2 story, 220 x 220 ft., stone, stucco, steel, Montebello Park on Whittier Blvd. $200,000.

Calif., Oakland—STORE and OFFICE—Woodward & Whitehead, Great Western Power Bldg., 2 or more story, rein.-con., terra cotta, Telegraph Ave. and 40th St. $150,000. Engineer and architect not selected.

Calif., Palo Alto—APARTMENT—Owner, c/o J. L. Stewart, archt., Claus Spreckles Bldg., San Francisco, sketches steel, concrete. $250,000.

Calif., San Francisco—APARTMENT—Owner, c/o J. L. Stewart, archt., Claus Spreckles Bldg., sketches 400 room, Vallejo St. $500,000.

Calif., San Francisco—APARTMENTS—Owner, c/a J. L. Stewart, archt., Spreckles Bldg., sketches 6 story, basement, steel concrete.

Calif., San Francisco—APARTMENTS—Ridgway Investment Co., c/o O. Monson, 251 Kearny St., plans by H. C. Baumann, 251 Kearny St., two 5 story, concrete, steel, Bway. near Octavia St. $500,000.

Calif., San Jose—APARTMENT—M. Atlas, Bank of San Jose Bldg., sketches by Wolfe & Higgins, Realty Bldg., 2 story, basement, stucco, incl. 28 x 40 ft. swimming pool. $150,000.

Calif., Santa Monica—APARTMENT—J. L. Crown, sketches by Meyer-Radon Bros., 6362 Hollywood Blvd., Los Angeles, 5 story, basement, 100 x 150 ft., brick, steel, stone, 2nd and Washington Sts. $150,000 or more.

Calif., South San Francisco — CIVIC CENTER — City plans by Edwards & Schary, 525 Market St., San Francisco, civic auditorium, swimming pool, children's playground, clubhouse. $200,000.

Ont., Riverside — HOTEL — Albert Abar & Son, Island View Hotel, plans by Dangerfield & Winter, Huron and Erie Bldg., Windsor, 6 story, basement, Riverside Dr. $650,000.

Bids Desired

Me., Old Orchard—HOTEL—Owner, c/o Pulsifer & Eye, Inc., archts., 163 Main St., Lewistown, taking bids 3 story, basement, irregular sized, brick, tile, plain found., Kinney Ave. $150,000.

Me., Portland—HOSPITAL—Maine General Hospital taking bids 3 story, basement, irregular sized, brick, plain found. $200,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, Mass., archts. Noted Aug. 9.

Mass., Boston — OFFICE — United Shoe Mchy. Co., S. W. Winslow, Jr., chn. building comn., 205 Lincoln St., bids about Oct. 15, 24 story, basement, 200 x 220 ft., brick, steel, limestone, 138-162 Federal St. To exceed $150,000. Parker, Thomas & Rice, 177 State St., archts. French & Hubbard, 210 South St., engrs. Noted Aug. 2.

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., East Milton (br. Boston) — STORE and GARAGE — See "Contracts Awarded."

Mass., Lynn—APARTMENT—H. Weinstein, 18 Whittier St., taking bids 3 story, basement, irregular sized, brick, plain found., Surfside Rd. and Washington St. $150,000. E. Earp, 333 Union St., archt.

Mass., Newton — FIRE ALARM and POLICE SIGNAL HEADQUARTERS — City, C. W. Randlett, chief Fire Dpt., taking bids 2 story, basement, brick, limestone, rein.-con., plain found., Willow and Centre Sts. $200,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Aug. 2.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—M. Winer, 67 Monroe Rd., taking bids 2 story, basement, 50 x 160 ft., brick, stone, 1428-1432 Hancock St. $150,000. Private plans.

Mass., Roxbury (sta. Boston)—APARTMENTS—See "Contracts Awarded."

N. Y., New York — STORAGE and APARTMENTS — E. Roth, archt., 1440 Bway., taking bids two 10 story, brick, steel, one 213 East 73rd St., other 215 East 73rd St., for One Hundred Eighty Second Corp., W. Guthman, pres., 119 West 40th St., $400,000 each. Noted Sept. 13.

N. J., East Orange—BANK and OFFICE—Oct. 5, by Holmes & Winslow, archts., 153 East 38th St., New York, general contract 2 story, basement, brick, steel, North Arlington Ave., for East Orange Trust Co., 339 Main St. $150,000. Noted Nov. 10.

N. J., Newark — COURT HOUSE — Bd. Freeholders Essex Co., Court House, bids about Oct. 15, general contract altering 3 story, basement, brick, steel, plain found., Market and High Sts. $1,000,000. Guilbert & Betelle, 20 Branford St., archts. Noted June 14.

N. J., Newark — SHOWROOM and OFFICE — M. J. Nadel, archt., 32 Hill St., taking bids general contract altering and constructing 3 story, basement, 60 x 80 ft. addition, 390-98 Halsey St., for Lawrence Motor Car Co., 390 Halsey St. Est. $155,000. Noted Sept. 20.

N. J., Paterson—GARAGE—P. Atkins, 411 East 41st St., and J. D. Lugosch, archt., 744 Bergenline Ave., Union City, taking bids general contract 1 story, basement, 154 x 200 ft., brick, steel, plain found., Park Ave. $150,000.

Pa., Connellsville—GARAGE and WAREHOUSE—See "Contracts Awarded."

Pa., Phila. — GARAGE — W. Freihofer, 20th and Indiana Sts., taking bids 2 story, basement, 100 x 203 ft., rein.-con., brick, steel, plain found., Grange and Conlyn Sts. $200,000. K. F. Otto, 1828 Arch St., archt.

Pa., Phila.—THEATRE and STORE—Oct. 8, by W. H. Lee, archt., Schoff Bldg., 2 story, basement, 107 x 195 ft., rein.-con., brick, steel, plain found., 3400 Frankford Ave., for Holmes Realty Co., c/o architect. $275,000.

Pa., Wilkes Barre—EXCHANGE—Oct. 5, by J. T. Windrim, archt., Commonwealth Bldg., Phila., 6 story, basement, 80 x 140 ft., rein.-con., brick, plain found., for Bell Telephone Co., 17th and Parkway Sts., Phila.

S. C., Columbia—AUDITORIUM—Dec. 1, by City Auditorium Bd., M. S. Whaley, chn., brick, hollow tile, steel, 4,000 seating capacity. $300,000. LaFaye & LaFaye, 1224 Sumter St., archts.

D. C., Wash.—HOSPITAL—Oct. 9, by H. C. McGuary, archt., 1601 12th St. N. W., addition to Casualty Hospital, Massachusetts Ave. between 7th and 8th Sts. N. E. $200,000.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. J., Newark — GARAGE — F. H. Koenigsberger, archt., 48 Walnut St., bids about Nov. 15, general contract 3 story, basement, 50 x 200 ft., rein.-con., brick, steel, plain found. $150,000. Noted Aug. 16.

O., Cincinnati — OFFICE — Oct. 10, by Garber & Woodward, archts., 4 West 7th St., 15 story, basement, rein.-con., brick, plain found., 4th and Main Sts., for Union Gas & Electric Co., 4th St. $1,500,000. Noted Aug. 9.

Ill., Chicago — APARTMENT — Arman Constr. Co., 10 South La Salle St., taking bids 8 story, basement, 50 x 135 ft., 6002 Winthrop Ave. $500,000. K. T. White & Co., 180 North Michigan Ave., archts.

Ill., Chicago — APARTMENT — H. L. Morse, archt., 155 North Clark St., taking bids 3 story, English basement, 150 x 152 ft., brick, stone, 4515-27 North Lincoln St., for G. Cubely, 4528 North Lincoln St. $500,000.

Ill., Chicago — OFFICE, GARAGE and STORE — Oct. 15, by A. S. Alschuler, Inc., 28 East Jackson Blvd., masonry and carpentry work 19 story, basement, 120 x 172 ft., brick, steel, Wabash Ave. and Harrison St., for H. W. Rubloff, 10 South La Salle St. Caissons for same awarded to Paschen Bros., 111 West Washington St. Noted July 19.

Ill., Highland Park — CLUB — R. E. Pingrey & Co., archt., 134 South La Salle St., Chicago, taking bids 2 story, irregular sized, brick, steel, Vine St., for Exmoor Country Club. $150,000.

Tex., Ft. Worth—HOTEL—E. T. Glasgow, archt., 915 1st Natl. Bank Bldg., bids

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Buildings—Commercial (Continued)

about Oct. 27, 8 story, basement, 75 x 90 ft., Main St., for Texas Building & Investment Co. $550,000. Noted Apr. 19.

Tex., Temple—CITY HALL—Oct. 9, by G. E. Byars, city mgr., city hall, $150,000. M. W. Scott, 412½ Franklin Ave., Waco, archt. Noted July 19.

Ore., Portland — APARTMENT — See "Contracts Awarded."

Calif., San Francisco — APARTMENT — See "Contracts Awarded."

Bids Received

N. J., Asbury Park — THEATRE and CONVENTION HALL — Bd. City Comrs., City Hall, general contract brick theatre, convention hall amusement pier, Ocean Ave. between Sunset and 5th Aves., from Turner Constr. Co., 420 Lexington Ave., New York, N. Y., $1,387,000; plumbing, from John Weil Plumbing Co., 328 East 33rd St., New York, $62,000; heating and ventilating, from Burns Lane & Richardson Co., 301 Burnett St., New Brunswick, $113,-626; electrical work, from J. L. Goodrich, 720 Lexington Ave., New York, $135,250. Noted Sept. 6.

Contracts Awarded

Mass., Boston—STORE and OFFICE—C. W. Rowell, 60 State St., 2 and 3 story, basement, 60 x 170 ft., brick, steel, plain found., to W. M. Evatt Co., 38 Chauncy St. Est. $150,000. Noted Sept. 13.

Mass., Brookline (br. Boston)—APARTMENT—Rosen & Levine, 333 Washington St., Boston, 4 story, basement, 85 x 100 ft., brick, stone, plain found., 1272 Beacon St., separate contracts. $160,000. Gay & Proctor, 248 Boylston St., Boston, archts.

Mass., East Milton (br. Boston)—STORE and GARAGE—M. Greenspan, 161 Devonshire St., Boston, 1 story, basement, irregular sized, brick, steel, stone, plain found., separate contracts. $150,000. Blackall, Clapp & Whittemore, 31 West St., Boston, archts.

Mass., Greenfield — THEATRE — G. B. Theatre Corp., N. E. Goldstein, 103 Bridge St., Springfield, 2 story, basement, 95 x 240 ft., brick, steel, plain found., to G. H. Reed, Montague City. Est. $150,000 or more. Noted Sept. 6.

Mass., Roxbury (sta. Boston)—APARTMENTS—Evergreen Realty Co., B. Dobkin, 125 Devon St., three 3 story, basement, brick, stone, plain founds., 238-242 Huntington Ave., separate contracts. $150,000 or more. Winebaum & Wexler, 73 Cornhill, Boston, archt.

Mass., South Boston (sta. Boston) — STORE and OFFICE—S. Ruggiero, 237 Dorchester St., Boston, 5 story, basement, brick, stone, plain found., to A. Valerio, 17 Shawnee Rd., Arlington. Est. $150,000. Former contract rescinded. Noted Sept. 20.

Mass., Winthrop (br. Boston) — HOSPITAL — Oct. 8 (extended date), by Community Hospital, Town of Winthrop, R. F. Whittier, chn. com., and Stevens & Lee, archts., 45 Newbury St., Boston, 4 story, basement, 40 x 180 ft., rein.-con., brick, plain found., Lincoln St. $175,000. Noted July 5.

N. Y., Brooklyn — APARTMENT — Andesp Building Corp., A. Desposito, pres., 2914 West 33rd St., 6 story, 80 x 86 ft., brick, timber, Ridge Blvd. and 92nd St., separate contracts. $300,000. S. L. Malkind, 93 Court St., archt.

N. Y., New York — DEPARTMENT STORE—R. H. Macy & Co., Inc., 34th St. and Bway., 19 story addition, 75,000 sq.ft. floor space, 34th and 35th Sts., to Marc Eidlitz & Son, Inc., 41 East 42nd St. Est. $700,000.

N. Y., New York — DEPARTMENT STORE — M. I. Stewart & Co., M. Liberman, pres., 5th Ave. and 37th St., 12 story, on 115 x 150 ft. site, 5th Ave. and East 56th St., to Cauldwell-Wingate, 101 Park Ave. Est. $800,000. Noted June 21.

N. Y., New York — MAUSOLEUM — N. Strauss, c/o R. H. Macy Co., Bway. and 34th St., mausoleum, Woodlawn Cemetery, Webster Ave., to Marc Eidlitz & Son, 41 East 42nd St. Est. $150,000.

N. Y., New York—STORE and OFFICE—Plaza Trust Co., A. Stewart, pres., 655 5th Ave., altering and constructing 8 story, 50 x 115 ft., brick, steel addition, to J. Stewart, 17 East 42nd St. Est. $250,000. Noted Sept. 13.

N. Y., Syracuse—HOSPITAL—Onondaga Charities Comn., 4 story, basement, 110 x 125 ft. hospital, at Onondaga Co. Home Grounds, to Jenks & Venton Constr. Co., 1612 Burnet Ave., $174,000. Noted Aug. 23.

N. J., Bayonne—DEPARTMENT STORE—United States Realty & Investment Co., 972 Broad St., Newark, general contract 3 story, basement, 50 x 150 ft., brick, steel, plain found., 21-23 West 22nd St., to Fatzler Co., 676 South 16th St., Newark. Est. $150,000. Sears, Roebuck Co., c/o W. E. Lehman, archt., 972 Broad St., Newark, lessee.

N. J., Woodbury—APARTMENT—Syndicate, 3 story, basement, 115 x 290 ft., rein.-con., brick, steel, plain found., to A. H. Winters, 4 Latern Lane, Phila., Pa. Est. $500,000.

Pa., Connellsville—GARAGE and WAREHOUSE—West Penn Power Co., West Penn Bldg., Pittsburgh, 1 story, 100 x 250 ft. garage and warehouse, separate contracts. $150,000. Private plans.

Pa., Danville—TUBERCULOSIS COTTAGE—Danville State Hospital, 1 story, basement, 31 x 221 ft. tuberculosis cottage, to Berwick Lumber Co., Berwick $61,800, and 2 story, basement, 36 x 98 ft. help building, to T. B. Evans, Danville, $34,383, both brick, steel, plain found. Noted Aug. 30.

Pa., Phila.—POST HOME—Ritter & Shay Co., archts., Packard Bldg., 3 story, basement, 75 x 156 ft., brick, steel, plain found., High St., to N. W. Bryan, 10 South 18th St., for H. H. Houston Post of American Legion, J. H. Bromley, 1021 West Upsal St. Est. $175,000. Noted Apr. 12.

N. C., Burlington—BANK—Atlantic Bank & Trust Co., 9 story, basement, 35 x 75 ft., rein.-con., brick veneer, granite, steel, to J. R. Owen & Son, 1006 West Lee St., Greensboro. Est. $200,000. Noted Sept. 6. Electrical work, to Alamance Electrical Co., Burlington; plumbing, to Hunt Bros., 407 Walker Ave., Greensboro; heating, to W. W. Dick, 246 Bellemead St., Greensboro; elevators, to Otis Elevator Co., 322 South Daniel St., Greensboro.

La., Monroe—MEDICAL ARTS and HOSPITAL—Syndicate, c/o W. S. Kendall, Monroe, and J. B. Kendall, Ruston, 12 story, basement, 60 x 75 ft., rein.-con., brick, Harrison and Catalpa Sts., to Churchill-Humphrey Co., 207 Magnolia Bldg., Dallas, Tex., est. $550,000.

O., Cleveland — HOSPITAL — St. Lukes Hospital, C. S. Woods, supt., East 116th St. and Shaker Blvd., 3 story, basement, concrete, brick, steel addition, to Lundoff-Bicknell Co., B. F. Keith Bldg. Est. $750,000.

O., Cleveland—HOSPITAL, PAVILION, NURSES DORMITORY—Lakeside Hospital group of University Hospitals of Cleveland, M. Patten, 10940 Euclid Ave., 8 story, basement, 46 x 313 ft. and 55 x 144 ft. hospital, 6 story, basement, 222 x 272 ft. nurses dormitory, and 8 story, basement, 43 x 161 ft. private pavilion, to J. Gill & Sons, Bulkley Bldg., $5,650,000. Noted Aug. 2.

O., Warren — Y.W.C.A., 198 North Park Ave., 2 story, basement, 70 x 80 x 162 ft., concrete, brick, steel, to Hoyland & Frasso, 431 Leasure Ave., New Castle, Pa. Est. $150,000. Noted June 28.

Ind., Ft. Wayne—APARTMENT—Jackson-Wayne Co., 10 story, basement, rein.-con., brick, Jackson and Wayne Sts. Owner builds and sublets contracts. Est. $300,000.

Ind., Indianapolis — APARTMENT — Thirty-Eighth & Pennsylvania Realty Co., general contract 3 story, basement, brick, steel, to F. A. Throop, 217 Peoples Bank Bank Bldg.; heating and plumbing, to Hayes Bros., 236 West Vermont St.; electrical work, to J. Crump, 1714 Central St. Est. $300,000.

Ind., Jasper—TELEPHONE— Southern Telephone Co., general contract 2 story, basement, brick, steel, to E. Hemmerlein Jasper. Est. $150,000.

Ind., Kokomo — APARTMENT — Phillips & Walnut Realty Co., general contract 2 story, basement, brick, steel, Phillips and Walnut Sts., to F. Richards, 420 Castle Hall Bldg., Indianapolis. Est. $155,000.

Ind., Marion—THEATRE and STORE—C. Mote, 1109 Hume Mansur Bldg., general contract 2 story, basement, rein.-con., brick, to E. C. Strathman Co., 712 Meyer-Kiser Bldg., Indianapolis. Est. $250,000.

Ind., South Bend—OFFICE and BANK—Building & Loan Assn., general contract 12 story, basement, 48 x 66 x 150 ft., rein.-con., brick, 216-218 West Washington St., to H. G. Christman, South Bend. Est. $300,000.

Mich., Detroit — AUDITORIUM — Holy Name Church, Van Dyke and Nuenberg Aves., 2 story, basement, 80 x 140 ft., rein.-con., brick, steel, plain found., Nuenberg Ave., to Talbot & Meier, 6853 Michigan Ave. Est. $150,000.

Mich., Detroit — ENGINEERING — Graham Paige Motor Corp., 8505 West Warrren Ave., 2 story, basement, 60 x 300 ft., rein.-con., brick, plain found., Warren Ave., to M. J. Hoffman Constr. Co., West Warren Ave. Est. $150,000.

Mich., Detroit — OFFICE and SERVICE—Marmon-Detroit Co., 2927 Woodward Ave., 3 story, basement, 100 x 180 ft., rein.-con., brick, plain found., Cass Ave., to Otto Misch Co., 159 East Columbia St. Est. $300,000.

Ill., Chicago — APARTMENT — D. S. Klafter, archt., 64 West Randolph St., general contract 3 story, English basement, 50 x 164 ft., to G. H. Sylban, 3100 North California Ave. for M. Meyer, c/o architect. Est. $210,000. Noted Sept. 6.

Ill., Chicago—APARTMENT HOTEL—M. L. Bein, archt., 64 West Randolph St., masonry contract 15 story, 50 x 50 ft., brick, 1030-32 Dearborn St., to Ames Constr. Co., 1639 East 39th St., for Dearborn Building Corp., 6019 Winthrop Ave. Est. $250,000.

Ill., Chicago—APARTMENT and STORE—Koenigsberg & Weisfeld, archts., 155 North Clark St., masonry contract 8 story, basement, 68 x 150 ft., rein.-con., brick, to Erickson & Magnuson, 4753 Bway.; carpentry, to C. E. Erickson, 4753 Bway.; plumbing, to Noble & Thumn, 1065 Addison St.; steel and stairs, to Gaarsteel Safety Stair Co., 165 West Wacker Dr.; electrical work, to C. F. Reinke & Co., 836 North Central Ave., for M. Walter, 1060 Balmoral Ave. Est. $675,000. Noted June 7.

Ill., Chicago — HOTEL — Rissman & Hirschfield, archts., 222 North La Salle St., masonry contract 6 story, 40 x 220 ft., for E. J. Perlberg, 134 North La Salle St., to Gamm Constr. Co., 5 North La Salle St., plumbing, to Noble & Thumn, 1065 Addison St.; heating, to C. H. Ehrlich Co., 124 North Jefferson St. Noted Aug. 2.

Ill., Chicago — OFFICE, GARAGE and STORE — See "Bids Desired."

Ill., Chicago — WAREHOUSE — Central Steel & Wire Co., 4545 South Western Blvd., masonry and carpentry contract 1 story, 117 x 391 ft., brick, to H. B. Ryan Co., 500 North Dearborn St. $120,000. Noted Sept. 20.

Minn., Minneapolis—OFFICE and STORE—Biglow Building Co., c/o W. G. Hodgson, 649 Security Bldg., general contract 12 story, basement, rein.-con., brick, steel, stone, 4th St. and 2nd Ave. S., to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, Ill. Est. $1,000,000.

Minn., Rochester — APARTMENT and GARAGE — C. Litzenberg, c/o P. E. Crosier, archt., 916 New York Life Bldg., Minneapolis, general contract 4 and 6 story, basement, 78 x 153 ft., rein.-con., brick, 5th St. S. W., to Gruesner Constr. Co., c/o J. Gruesner, 4801 Lyndale Ave. S., Minneapolis. Est. $250,000.

Kan., Arkansas City — OFFICE — Company forming, c/o J. W. Ralston, pres., 5 story, basement, 80 x 140 ft., rein.-con., brick, West 5th St. between 1st and Summit Sts., to C. H. Siedhoff Constr. Co., Broadview Hotel Bldg., Wichita. Est. $400,000.

Neb., Omaha—OFFICE—G. W. Smith, Inc., G. W. Smith, pres., 280 Madison Ave., New York, general contract 7 story, basement, 132 x 132 ft., brick, stone, rein.-con. 1607-17 Farnum St., to Parson Constr. Co., Grain Exch. Bldg. Est. $500,000. Noted Sept. 13.

Mo., Kansas City — OFFICE — C. H. Getchell, 718 Bryant Bldg., 16 story, basement, 95 x 115 ft., rein.-con., terra cotta, 11th and Grand Sts., to Fridstein & Co., 1112 West Washington St., Chicago, Ill. Est. $1,500,000.

Mo., St. Louis—APARTMENT HOTEL—Owner, 15 story, basement, 73 x 150 ft., rein.-con., brick, stone, terra cotta, Delmar Blvd., to D. R. Harrison, 1106 Ambassador Bldg., on sub-contract basis.

Mo., St. Louis — STORE and APARTMENT—C. C. Ghio, et al., c/o Maurer, Ghio, Beffa Realty Co., 3540 Olive St., 3 story, basement, 60 x 120 ft., rein.-con., brick, 5311-17 Delmar Blvd., to A. B. M. & Paul Corrubia, 1373 Arcade Bldg. on sub-contract basis.

Tex., Austin — HOTEL — Driskell Hotel Co., C. M. Bartholomew, pres., 902 West Ave., 12 story, 80 x 106 ft., rein.-con., brick addition, to L. H. Lacy Co., 2632 Swiss Ave., Dallas, $265,600. Noted Aug. 23.

Tex., Dallas—STORE—J. G. McRory Co., 1107 Bway., New York, and W. M. Simpson, archt., New York, 3 story, basement, 50 x 150 ft., brick, to A. E. Rheimer, Builders Exch. Bldg., San Antonio, $180,000.

Tex., Dallas—SALES—H. D. McElroy, sales building, Harwood and McKinney Sts., to A. J. Rife, 614 Largent St., $152,000.

Okla., Durant—HOTEL—Swinney, Lee & Dryer, general contract 4 story, basement, 62 x 140 ft., rein.-con., brick, plain found., 2nd St., to Manhattan Constr. Co., Muskogee, $145,000. Est. $150,000.

Ore., Portland — APARTMENT — J. L. Essen, Western Bond & Mortgage Bldg., 6 story, basement, 100 x 100 ft., rein.-con., timber, solid rock found., Osage Ave. $250,-000. Owner builds. C. Linde, Portland, archt.

Calif., Altadena—HOSPITAL—Sisters of St. Joseph, 4 story, basement, 250 bed capacity, to Barrett & Hilp, 918 Harrison St., San Francisco, $750,000.

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Buildings—Commercial (Continued)

Calif., Burbank — STAGES, etc.—First National Studios, two 70 x 105 ft. sound proof stages, two 50 x 60 ft. monitor rooms, double timber walls, stucco exterior, to Scofield-Twaits Co., Pacific Finance Bldg., Los Angeles, $150,000. Noted Aug. 9.

Calif., Palo Alto—EXCHANGE—Pacific Telephone & Telegraph, 140 New Montgomery St., San Francisco, 2 story, basement, to Monson Bros., 475 6th St., San Francisco, $165,000. Noted July 5.

Calif., Pasadena—STUDIO—G. Langtree, 2 story, basement, 110 x 175 ft., brick, steel, rein.-con., Catalina and Green Sts., to F. C. Schallan, 644 North San Gabriel Blvd., San Gabriel, $150,000.

Calif., San Francisco—APARTMENT—L. B. Ham, 105 Montgomery St., 4 story, basement, rein.-con., 43rd Ave. and Pt. Lobos, day labor. $150,000. Private plans.

Calif., San Francisco—APARTMENT—J. Hawley, 3507 17th Ave., 5 story, basement, rein.-con., West Portal St. and 15th Ave., to K. E. Parker, 135 South Park St., $155,000.

Calif., Whittier — INSTITUTION — State Building Comn., Sacramento, general contract 4 buildings, incl. hospital, administration building, 2 cottages for boys, all rein.-con., stucco, to L. A. Geisler, 6212 South Middleton St., Huntington Park, $106,306. Plumbing and heating, to Jones Heating Co., 28 East Union St., Pasadena, $19,236; electrical work, to R. R. Jones, 1128 Mission St., Pasadena, $4,499.

B. C., Vancouver—GARAGE—B. C. Motor Transportation Ltd., 570 Dunsmuir St., 4 story, 168 x 599 ft., Cambie St. between 14th and 15th Aves., to Dominion Constr. Co. Ltd., 509 Richards St., $220,000.

Buildings—Educational, Religious

Proposed Work

Mass., Wellesley (br. Boston)—ADMINISTRATION—Wellesley College plans by Day & Klauder, Franklin Block Bldg., Phila., Pa., administration building, College Grounds. To exceed $150,000.

R. I., Providence—CONVENT—Franciscan Missionary of Mary, c/o J. F. Hogan, archt., Grosvenor Bldg., sketches convent, Bell St. Est. $150,000 or more.

Conn., Hartford—CHAPEL—Trinity College, R. B. Ogilby, pres., plans by Froham, Robb & Little, 140 Boylston St., Boston, chapel. $500,000. Noted Jan. 5.

Conn., New Britain—CHURCH—St. John the Evangelist Parish, c/o H. F. Ludorf, archt., 410 Asylum St., Hartford, church. $150,000 or more funds being raised for same.

N. Y., Broklyn—SCHOOLS—Bd. Educ., 500 Park Ave., New York, plans by W. C. Martin, Flatbush Ave. extension and Concord St., 4 story, 179 x 235 ft. school, 16th Ave., 42nd and 43rd Sts., $1,500,000; 4 story, 179 x 182 ft. school, Lenox Rd. and East 39th St., $535,000.

N. J., Maplewood (br. South Orange)—SCHOOL—St. Joseph's Church, 767 Prospect St., 2 story, basement, brick, steel, plain found., Prospect St. $150,000.

N. J., New Brunswick—SCHOOL—Bd. Educ., Livingston Ave., plans by A. Merchant, 52 Paterson Ave., 2 story, basement, brick, steel, plain found., 52-56 Bartlett St. $150,000. Noted Aug. 30.

N. J., Ridgefield Park—SCHOOL—Bd. Educ., High School, Ridgefield, 2 story, basement, brick, steel, plain found. $150,000.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Ave., plans by C. W. Wands, 309 Bloomfield Ave., Caldwell, 2 story, basement, brick, steel addition, plain found., Pleasant Valley Way. $150,000. Noted Sept. 13.

Pa., Harrisburg — EDUCATION — Dpt. Property & Supplies, c/o B. E. Taylor, secy., Capitol Bldg., sketches by Gehron & Ross, 101 Park Ave., New York, education building (4th unit) Capitol Park Extension. Approximately $5,000,000.

Pa., Scranton — HIGH SCHOOL — Bd. School Control, 425 Washington Ave., bids in early October, Technical High School, Adams Ave. and Gibson St. $500,000. Sprague & Slocum, 12 East 42nd St., New York, engrs. A. J. Ward, County Bank Bldg., archt.

Md., Violetville (mail Baltimore) — SCHOOL — Pub. Impvt. Comn., H. J. Leimbach, Municipal Office Bldg., plans by W. F. Stone, Munsey Bldg., Baltimore, and soon takes bids 1 story, stone school. $175,000. Kubitz & Koenig, Emerson Tower Bldg., Baltimore, engrs. Noted May 17.

D. C., Wash.—SCHOOL—District Comrs., District Bldg., rejected bids Sept. 19, general contract replacing Langdon School with new building. Noted Sept. 13.

N. C., Greensboro — HIGH SCHOOLS — City, Central High School on Scales property and Junior High School on Gillespie property, in South Greensboro. $750,000.

Ga., Atlanta — SCHOOLS — City, Bd. Educ., R. R. Ritchie, supt., 41 Walker St., rejected bids Goldsmith and Georgia Avenue Schools, and Commercial High School Addition. To exceed $150,000.

Ind., Warsaw—SCHOOL—School Comrs. Kosciusko Co. plans by E. H. Brown, 2 story, basement, brick, steel school. $150,000.

Mich., Ypsilanti — LIBRARY — Michigan State Normal plans by Bowd & Munson, 409 Wilson Bldg., Lansing, 2 story, basement, 85 x 140 ft., rein.-con., brick, stone, plain found., on campus. $200,000.

Ia., Council Bluffs — SCHOOL — Iowa School for Deaf, c/o State Bd. Educ., W. H. Gemmill, secy., Des Moines, sketches rein.-con., brick, stone addition. $350,000.

Minn., St. Paul — NURSES HOME — Northwestern Baptist Hospital Assn., A. M. Calbin, bus. mgr., Aldine St. and University Ave., plans by Toltz, Kind & Day, Builders Exch. Bldg., 4 story, basement, rein.-con., brick, stone, University Ave. and Aldine St. $150,000.

Mo., St. Louis—CHURCH—St. Michael and All Angels Episcopal Church, C. Block, pastor, 6300 Ellenwood Ave., soon lets contract 2 story, basement, 46 x 100 ft., rein.-con., red stone, brick, Ellenwood Ave. and Wydown Blvd. Taxis & Becker, 1201 Chemical Bldg., engrs. Klipstein & Rathman, 316 North 8th St., archts.

Tex., Waco — AUDITORIUM and CHAPEL — Baylor University plans by Lang & Witchell, American Exch. Bank Bldg., Dallas and soon takes bids auditorium and chapel. $350,000. Dallas & Spicer, Waco, assoc. archts.

Tex., Waco—DORMITORY—Baylor University, c/o S. P. Brooks, pres., plans by H. L. Spicer, Amicable Bldg., brick, stone, rein.-con., memorial dormitory for women. $350,000.

Okla., Stillwater—COLLEGE—State Bd. Affairs, Capitol Bldg., Oklahoma City, plans by Layton, Hicks & Forsythe, 906 Braniff Bldg., 3 story, basement, home economics building, $175,000; 1 story athletic fieldhouse, $156,000; 2 story, basement library, $350,000; 5 story, basement, class room building, $359,000, all brick, stone, plain foundations.

Calif., Claremont — AUDITORIUM — Pomona College, Pomona, plans by W. T. Johnson, archt., San Diego, steel, rein.-con., 2,500 or more seating capacity. To exceed $150,000.

Calif., Claremont—ADMINISTRATION—Pomona College, Pomona, plans by Hunt & Burns, Laughlin Bldg., Los Angeles, fireproof administration building. $250,000. Noted Mar. 1.

Calif., La Verne — CHURCH and SUNDAY SCHOOL—Church and Brethren plans by R. H. Orr, Corporation Bldg., Los Angeles, rein.-con., incl. auditorium, 1,250 seating capacity.

Calif., Los Angeles — SCHOOL — Bd. Educ. plans by E. C. and E. W. Taylor, 810 West 6th St., Home Gardens School. $160,000.

Calif., Oakland — SCHOOLS — Oakland School Dist. sketches by Blaine & Olsen, 1755 Bway., 3 story, concrete addition to Fruitvale-Allendale Jr. High School; 3 story, rein.-con., addition to Crocker Highlands School. $150,000 each.

Calif., San Francisco — SCHOOL — State Building Comn., Sacramento, plans by G. B. McDougal, state archt., Sacramento, rein.-con., stucco training school at State Teachers College. $180,000.

Bids Desired

Me., Portland—HOME—Jewish Home for Aged, M. Oranski, chn., taking bids 2 and 3 story, basement, brick, stone, plain found., North St. $150,000. H. W. Rhodes, 574 Congress St., archts.

Me., Portland—SCHOOL—City, Bd. Educ., taking bids 2 story, basement, 60 x 145 ft., brick, rein.-con., plain found., Kelseu St. $150,000. J. C. and J. H. Stevens, 477 Congress St., archts.

Me., South Portland (br. Portland) — SCHOOL—City, School Bd., taking new bids 2 story, basement, 60 x 145 ft., brick, stone, plain found., Kelsey St. $150,000. Former bids rejected. J. C. and J. H. Stevens, 477 Congress St., Portland, archts.

Mass., Chicopee — COLLEGE — Academy of Our Lady of Elms, T. O'Leary, bishop, taking bids 3 story, basement, brick, stone, plain found. $150,000 or more. J. W. Donahue, 1242 Main St., Springfield, archt. Noted Sept. 29, 1927.

Mass., Danvers—NURSES HOME—Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, taking bids 3 story, basement, brick, rein.-con., at State Hospital. $150,000. G. Robb, 14 Beacon St., Boston, archt. Noted Aug. 9.

Mass., Hyde Park (Ind. br. Boston) — CHURCH—St. Adelberts Roman Catholic Church, A. Syski, pastor, 1450 River St., taking bids altering and constructing 1 story, basement, 60 x 100 ft., brick, stone addition, plain found., 1446 River St. $150,000. L. Kopoznski, 100 Boylston St., Boston, archt.

Mass., Winchester — SCHOOL — Town, Superintendent Schools, 83 Church St., taking bids altering and constructing 2 story, basement, brick addition to Noonan School, Hemingway St. $150,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Noted Sept. 27.

N. Y., Brighton (Ind. sta. Rochester)—SCHOOL—Oct. 18, by Trustees Common School Dist. 6, at office L. Stern, archt., 1017 Commerce Bldg., Rochester, school, East Ave. south of Allen Creek. Noted Aug. 2.

N. Y., Brooklyn—LAW SCHOOL—St. Johns College, Lewis Ave. and Hart St., J. J. Cloonen, pres., taking bids 12 story, 86 x 100 ft., brick, steel, Schermerhorn St. and Boerum Pl. $750,000. J. F. Cook, 9 Clinton St., Newark, N. J., archt. Noted Aug. 30.

N. Y., New York—CHURCH and HOTEL—See "Contracts Awarded."

N. J., Hillside (br. Elizabeth)—SCHOOL—Oct. 16, by Bd. Educ., Central Grammar School, 143 Coe Ave., addition to Hillside Ave. School, 129 Hillside Ave., J. Wind, Jr., 1450 North Broad St., archt. Noted Aug. 30.

N. J., Newark—CHURCH and SUNDAY SCHOOL—F. Y. Parsons, archt., 1123 Bway., New York, taking bids general contract 2 story, basement, brick, plain found., Maple St. and Kear Ave., for Franklin Memorial Church, C. F. Ether, pastor, 107 Franklin St. $150,000. Noted Aug. 30.

Miss., Cleveland—SCHOOL—Oct. 11, by Delta State Teachers' College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., 2 and 3 story, 36 x 174 ft. dormitory, 1 story, 120 x 122 ft. dining hall, 55 x 183 ft. auditorium and administration building, rein.-con., brick, terra cotta. $350,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted July 5.

Miss., Oxford—DORMITORIES—Oct. 11 (extended date), by University of Mississippi c/o Mississippi State Building Comn., Jackson, two 3 story, one 33 x 88 ft. other 40 x 109 ft., rein.-con., brick, stone, hollow tile. $430,000. F. P. Gates Co., Edwards Bldg., Jackson, archts. Noted Sept. 13.

Mich., Owosso — HIGH SCHOOL — Bd. Educ. taking bids and open same about Oct. 11, 3 story, basement, 225 x 240 ft., rein.-con., brick, steel, plain found. $450,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Sept. 13.

Ill., Elmhurst—SCHOOL—Oct. 19, by Bd. Educ., 2 story, brick, 355 St. Charles Blvd. $350,000. J. C. Llewellyn & Co., 38 South Dearborn St., Chicago, archts. Noted Aug. 23.

Minn., Virginia — HIGH SCHOOL — Oct. 25, by Secretary Bd. Educ., for Junior High School, 3 story, basement, 107 x 247 ft., rein.-con., brick, tile, marble, 4th St. E. H. Berg, Virginia, engr. and archt.

Ark., North Little Rock (br. Little Rock)—HIGH SCHOOL—Oct. 22, by School Bd., c/o W. E. Philipps, secy., 4th and Willow Sts., 3 story, basement, and 2 story tower, rein.-con., brick, stone high school, incl. 52 rooms, auditorium, 2,000 seating capacity, 22nd and Maple Sts. $350,000. G. R. Mann, and Wagner & King, New Donaghey Bldg., Little Rock, archts.

Calif., Redwood City—HIGH SCHOOLS—Trustees Sequoia Union High School Dist., taking bids 2 story, rein.-con. high schools. $250,000. Former bids rejected. Noted Sept. 13.

Ont., Toronto—LIBRARY—Oct. 15, by W. T. J. Lee, chn. Toronto P. Library Bd., St. George and College Sts., library addition, College and St. George Sts. Wickson & Gregg, Temple Bldg. and Chapman & Oxley, Northern Ontario Bldg., assoc. archts. Noted Dec. 8, 1927.

Ont., Toronto — PATHOLOGICAL — Darling & Pearson, archts., Leader Lane, taking bids 6 story, basement, 120 x 190 ft., rein.-con., brick, stone, plain found., College St., for University of Toronto, Queens Park St. $750,000.

Contracts Awarded

Mass., Dorchester (sta. Boston) — SCHOOL—Dorchester & Mattapan Hebrew School, M. E. Schneider, 26 Pemberton Sq., 3 story, basement, 170 x 180 ft., brick, stone, plain found., day labor. To exceed $150,000. Noted Aug. 9.

Mass., Milton—SCHOOL—Town, superintendent schools, 2 story, basement, 15 room, brick, steel, Edgehill Rd., to J. W. Duff, Inc., 146 Summer St., Boston. Est. $200,000. Noted Aug. 30.

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Buildings—Educational, Religious (Cont.)

Mass., Roxbury (sta. Boston)—NURSES' HOME—Massachusetts Women's Hospital, 53 Parker Hill Ave., 3 story, basement, irregular sized, brick, stone, plain found., to J. Driscoll & Son, 94 Washington St., Brookline. Est. $150,000 or more. Noted Sept. 6.

N. Y., Amenia—SCHOOL—Bd. Educ., general contract 2 story, basement, brick, steel, plain found., to D. H. Swenson, Inc., 39 Market St., Poughkeepsie, $130,000. Noted Aug. 9. Plumbing, to R. & C. Miller & Co., Lakeville, Conn., $7,200; heating, to P. C. Doherty, 114 Main St., Poughkeepsie, $21,300; electrical work, to P. J. Kozlarek, Amenia, $4,350.

N. Y., Buffalo — SCHOOL — Bd. Educ., Genesee Bldg., School 80, 3 story, 160 x 225 ft., rein.-con., brick, Orleans and Winspear Sts., to C. P. Barnwell, 390 14th St., $345,000. Noted Aug. 2.

N. Y., New York—CHURCH and HOTEL—White-Stark Co. (contractors), 420 Lexington Ave., relet contract 23 story, church-hotel to Barr & Lane, 387 Madison Ave., for Corporation of Manhattan Congregational Church, 2162 Bway. Est. $2,000,000. Barr & Lane taking bids on separate contracts. Noted Mar. 29.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P. S. 187, to Wilaka Constr. Co., Sheridan Ave. and McClellan St., $524,000; plumbing, to J. E. Kahn, 224 West 20th St., $26,107; heating, to Pyro Heating Co., 1375 58th St., Brooklyn, $75,890. Grand total $625,997. Noted July 26.

N. Y., Winfield (mail Woodside) — SCHOOL — Bd. Educ., 500 Park Ave., New York, general contract P. S. 12, 72nd St., to G. F. Driscoll Co., 548 Union St., Brooklyn, $309,800; heating, to Astoria Heating Co., 41-51 70th St., Astoria, $52,400. Noted Aug. 30.

N. J., Boonton—SCHOOL—Bd. Educ., Town Hall, general contract 2 story, basement, brick, steel, plain found., Maple and Lathrop Aves., to E. Bozzi, 140 Mills St., Morristown, $164,000. Noted Sept. 6. Plumbing and heating, to R. P. Lister, 452 Bloomfield Ave., Verona, $16,000 and $22,623 respectively; electrical work, to C. P. Hansen, 230 New St., St. Belleville.

N. J., Oradell — HIGH SCHOOL — Bd. Educ., Pub. School, Kinderkamack Rd., general contract 3 story, basement, brick, steel, plain found., to Alberg Constr. Co., 3 Church St., Paterson, $239,061. Former contract not signed. Noted Sept. 27.

N. J., South River—HIGH SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, 48 x 178 ft., brick, steel addition, plain found., Thomas and George Sts., to J. Salaki, Fords. Est. $150,000. Noted Aug. 23.

Pa., Brownsville — NURSES HOME — Brownsville General Hospital, Brownsville and E. R. Johnson, archt., Uniontown, general contract 4 story, basement, brick, steel, 5th Ave., to Brownsville Constr. Co., Brownsville. Est. $150,000. Noted Aug. 23.

Pa., Scranton — CHAPEL — Venard Apostolic School, 1 and 2 story, basement, brick, Clarks Green, to Bellman & Sons, 220 Ash St. Est. $150,000 or more.

Del., Wilmington—HOME—Little Sisters of The Poor, 4 story, basement, 60 x 124 ft., home for aged, brick, steel, plain found., 4th and Grant Sts., to J. E. Healey & Son, 707 Tabatt St. Est. $160,000.

D. C., Wash.—SUNDAY SCHOOL—Calvary Baptist Church, 8th and H Sts. N.W., sunday school, 8th and H Sts. N.W., to Skinker & Garrett, 1416 F St. N.W.

W. Va., Wheeling—SCHOOL—Bd. Educ. addition to Madison School, incl. auditorium, gymnasium, Zane St., to Ward & Ward, Fairmount, $168,000.

Fla., Tallahassee—GYMNASIUM—State Bd. Control, 2 story, basement, rein.-con., brick, stone, on grounds Florida State College for Women, to J. L. Crouse & Co., Amer. Bank Bldg., Greensboro, N. C., $284,225. Noted Sept. 6.

La., New Orleans — SCHOOL — Orleans Parish School Bd., Charles J. Colton School, 3 story, rein.-con., brick, stone, incl. cafeteria, swimming pool, gymnasium, auditorium, St. Claude Ave., Mandeville, Spain and North Rampart Sts., to Caldwell Bros., 816 Howard Ave., $599,518. Noted Aug. 9.

Ind., Bourbon—SCHOOL—School Comrs., general contract 2 story, basement, 135 x 155 ft., brick, steel, to Merle P. Hodges, Warsaw. Est. $150,000.

Mich., Detroit—SCHOOLS—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., Grayling School, West Adeline Ave., to W. H. Mueller, 2111 Woodward Ave. $85,920, heating and plumbing, to Chernick Bros., 12830 Linwood Ave. $38,937; Newton School, Asbury Park Ave., and school, on Harrel and Camden Aves., to H. M. Martens Co., 2111 Woodward Ave. $105,579 and $113,695 respectively, heating and plumbing, to Freyn Bros., 6853 Michigan Ave. $39,837 and $40,648 respectively; Hamden School, Dexter Blvd., to G. C. Corrick Bros., 507 Owen Bldg. $60,887, heating and plumbing, to Drake Avery Co., 210 State St. $26,947, all foregoing 2 story, basement, rein.-con., brick, steel, plain founds. Grand total $512,450. Noted Sept. 6.

Ill., Jacksonville — LIBRARY and ADMINISTRATION—D. J. Hull, archt., 210 East Ohio St., Chicago, general contract 2 story, 90 x 100 ft., to Smirl & Gibson, 226 Prospect St., Jacksonville, for Illinois College. Est. $150,000. Noted Aug. 23.

Ill., Waukegan—CHURCH and RECTORY—J. W. McCarthy, archt., 139 North Clark St., Chicago, general contract 2 story, brick, stone, to W. J. Lynch Co., 844 Rush St., Chicago, for Catholic Bishop of Chicago, 740 Cass Ave. Est. $400,000. Noted Sept. 6.

Ill., Wilmette—CHURCH and SUNDAY SCHOOL—Granger & Bollenbacker, archts., 333 North Michigan Ave., Chicago, general contract 2 story, brick, stone, to J. B. French Co., 30 North Michigan Ave., Chicago, for Wilmette Methodist Episcopal Church, 1018 Lake Ave. Est. $400,000. Noted July 19.

Minn., Minneapolis — NURSES HOME — Fairview Hospital Assn., 2316 6th St. S., general contract 6 story, basement, rein.-con., brick, bedford stone, to S. M. Klarquists Sons, 750 Security Bldg. Est. $200,000. Noted Sept. 20.

Minn., St. Peter — DORMITORY — Gustavus Adolphus College, O. J. Johnson, pres., general contract 4 story, basement, 102 x 176 ft., rein.-con., brick, Kasota stone, to Eric Carlson, Mankato, $121,000. Noted Sept. 6.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., general contract 3 story, 87 x 226 ft., rein.-con., brick, stone, to Dunham Constr. Co., 101 La Salle Bldg., $234,900; heating and ventilating, to Peters-Eichler Heating Co., 156 Pine St., $37,935. Noted Aug. 30.

Tex., Houston — SCHOOLS — Houston Ind. School Dist., c/o H. L. Mills, 1600 Washington Ave., three 1 story, brick, rein.-con., stone schools, incl. classrooms, auditorium and cafeteria, one Hazard and Wilton Sts., one Forest Hill Dr., other Studewood Blvd. at 17th and 18th Aves., to C. W. Ennis, 3219½ Louisiana St., $208,000.

Ont., Brantford—SCHOOL—Bd. Educ., A. K. Bunnell, secy., general contract 2 story, basement, brick, steel, to Schultz Constr. Ltd., 45 Albion St., $120,180. Noted Aug. 23.

B. C., Point Grey — HIGH SCHOOL — Townley & Matheson, archts., 325 Homer St., Junior High School, 2 and 3 story, rein.-con., stucco, plain found., to Dominion Constr. Co. Ltd., 509 Richards St., Vancouver, $283,490; heating and ventilating apparatus, to McDowell, Mann & Latham, 1318 Granville St., Vancouver, $52,338.

Federal Government Work

Proposed Work

D. C., Wash.—OFFICE—Treas. Dpt., at office Supervising Archt., sketches by Zantzinger, Borie & Medary, Otis Bldg., Phila., Pa., Dpt. Justice Office Building, Pennsylvania Ave., 7th and 9th Sts. N. W. J. A. Wetmore, acting superv. archt. Noted Aug. 2.

Fla., Lake City—ALTERATIONS—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids Aug. 28, altering Building 4, at U. S. Veterans Hospital. Noted Sept. 13.

Wyoming — ROAD — Bureau Pub. Rds., Custom House, Denver, Colo., bids early in 1929, grading 2.5 mi. Sect. 9-B, Artist Point Rd., Natl. Park Hy. Project, Yellowstone Natl. Park, J. W. Johnson, Denver, Colo., dist. engr.

Texas — DREDGING — U. S. Engineer Office, Galveston, rejected bids Aug. 15, dredging between Aransas Pass and Corpus Christi. This corrects report in Sept. 20 issue.

Colorado — ROAD — Bureau Pub. Rds., Custom House, Denver, bids early in 1929, grading 19.4 mi. Sect. 1-B, Trail Ridge-Fall River Pass, Natl. Park Hy. Project, Larimer Co. J. W. Johnson, Denver, dist. engr.

Bids Desired

N. J., Picatinny Arsenal (mail Dover)—ADMINISTRATION, etc.—Nov. 6, by Constructing Quartermaster, 38 buildings, incl. administration building, 13 buildings in Laboratory Area, 23 buildings in Melt Loading Area, 3 buildings in shop area; adv. E. N.-R. Oct. 4.

Pa., Pittsburgh — LOCKKEEPERS HOUSES — Oct. 25, by U. S. Engineers Office, constructing two 2 story, 7 room lockkeepers houses at Lock 6, Allegheny River; adv. E. N.-R. Oct. 4. Noted Aug. 16.

D. C., Wash. — BRIDGE — Oct. 9 (extended date), at office Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., constructing Boundary Channel Bridge, Arlington Memorial Bridge Project. Noted Aug. 30.

D. C., Wash.—RADIO BUILDINGS—Oct. 11, by Division Supplies, Dpt. Commerce, 12 radio buildings.

D. C., Wash.—ROAD—Oct. 9, at office Constructing Quartermaster, Army Medical Center, constructing road, parking area, sidewalks, drainage system, sanitary sewer and water connections.

D. C., Wash.—TOWERS—Oct. 9, by Div. Supplies, Dpt. Commerce, one hundred 51 ft. steel towers.

D. C., Wash. — TENDER — Oct. 13, by U. S. Coast & Geodetic Survey, constructing steel surveying tender, 75 ft. long.

Va., Norfolk—CONCRETE ROADS, etc.—Spec. 5665 and 5725—Oct. 10, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete road, repairing chimneys at U. S. Veterans Hospital. Noted Sept. 20.

Ga., Columbus—WATER PIPING—Oct. 12, by Treas. Dpt., at office Supervising Archt., Wash., D. C., water piping, at U. S. Post Office. Noted Sept. 13.

Ky., Louisville—KITCHEN—Oct. 6, by Quartermaster Corps., Jeffersonville, Ind., brick kitchen addition, porch, altering superintendent's lodge at Cove Hill Natl. Cemetery.

Ky., Louisville—PIPING—Oct. 17, by Treas. Dpt. at office Supervising Archt., Wash., D. C., piping at U. S. Veterans Hospital.

Tenn., Memphis — RECREATION — Oct. 30, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., recreation building and covered passage incl. roads walks, curbs, grading at U. S. Veterans Hospital; adv. E. N.-R. Oct. 4.

Kan., Newton—REMODELING—Oct. 22, by Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office; adv. E. N.-R. Oct. 4.

Missouri and Nebraska — LIGHTING SYSTEM, etc. — Oct. 22, by Div. Supplies, Dpt. Commerce, electric airway beacons, intermediate landing field equipment, on St. Joseph-Omaha Sect. Kansas City-Omaha Airway.

Colo., Denver—GATES and HOISTS—Nov. 2, by Dpt. Interior, Bureau Reclamation, gates and hoists for Harper Diversion Dam, Vale Project, Ore. and gate hoists for headworks and other structures on main canal, Kittitas Div., Yakima Project, Wash.; adv. E. N.-R. Oct. 4.

Calif., San Diego—BOILER—Spec. 5483—Oct. 31, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., boiler and accessories, at Naval Operating Base, Air Station. Noted Sept. 20.

Territory of Hawaii—DREDGING—Dec. 1, by U. S. Engineer Office, Honolulu, 800,000 cu.yd. in Kahului, Hilo and Honolulu Harbors; adv. E. N.-R. Oct. 4.

Bids Received

N. Y., Niagara Falls—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., Sept. 28, U. S. Custom House, from Devault & Deitrick, Massillon Rd., Canton, O., $58,400. Noted Sept. 13.

D. C., Wash.—FOUNDATIONS—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 25, foundations for Dpt. of Commerce Building, from Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., $1,159,700. Noted Aug. 30.

D. C., Wash.—COOLING POND—Supply Div., Bureau Standards, rein.-con. cooling pond, from Rust Eng. Co., District Natl. Bank Bldg. (A) $13,980 (B) $19,980. Noted Aug. 30.

Ga., Augusta — ROADS, etc. — U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., Sept. 25, roads, walks, at U. S. Veteran's Hospital, from Claussen-Lawrence Constr. Co., Augusta, $10,800 (10-30 days). Noted Sept. 13.

O., Chillicothe—GREENHOUSE, etc.—U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., Sept. 25, greenhouse, workroom at U. S. Veteran's Hospital, from Theriault Contg. Co., 534 East Johnson St., Phila., Pa., $20,988. Noted Aug. 30.

O., Wooster — EXTENSION and REMODELING — U. S. Engineer Office, extending, remodeling U. S. Post Office, from S. Plato, 608 West Walnut St., Louisville, Ky., $67,450. Noted Aug. 30.

Minn., Grand Marais — DWELLINGS, etc. — U. S. Coast Guard, constructing dwellings, boathouses, launchway at North Superior Coast Guard Station, from E. Nunstedt, Grand Marais, $27,992.

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Federal Government Work (Continued)

Minn., Hastings—LOCK and DAM—U. S. Engineer Office, Arcade Bldg., St. Paul, Sept. 27, in Mississippi River, near here, from Fegles Constr. Co., 529 South 7th St., Minneapolis, $1,695,818. Noted Aug. 30.

Wash., Olympia—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., Sept. 27, remodeling, enlarging U. S. Post Office, from Harry Boyer Son & Co., Yakima, $21,825. Noted Aug. 30.

Contracts Awarded

N. Y., Albany—DREDGING—U. S. Engineer Office, Army Bldg., 30 Whitehall St., New York, Hudson River, 8 mi. South of here, to United Dredging Co., 232 Bway., New York, $417,953. Noted Sept. 6.

Pa., Phila. — MOTOR GENERATORS — Treas. Dpt. at office Supervising Archt., Wash., D. C., for U. S. Mint, to J. F. Buchanan & Co., 1904 Sansom St., Phila., Pa., $24,362. Noted Sept. 27.

Md., Annapolis—BOILER HOUSE—Spec. 5635—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing boiler house at Naval Academy, to English Constr. Co., 1311 H St. N.W., $18,497 (180 days). Noted Sept. 13.

D. C., Wash.—PAVING—U. S. Pub. Buildings & Pub. Parks, Navy Bldg., concrete paving, walks, pool, at Meridian Hill Park, to C. H. Tompkins, 13th and Fairmont Sts. N. W., $75,800.

Ga., Augusta—GARAGE—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., addition at U. S. Veterans Hospital, to Claussen-Lawrence Co., 1394 Gwinnett St., $7,840. Noted Sept. 20.

Mich., Detroit—HOSPITAL—Treas. Dpt., at office Supervising Archt., Wash., D. C., constructing main building, garage at U. S. Marine Hospital, to Ring Constr. Co., 95 South 11th St., Minneapolis, Minn., $395,-380; mechanical equipment, to Pittelkow Heating & Eng. Co., 2340 West Lafayette Blvd., $132,990 (450 days). Noted Sept. 27.

Ill., Chicago—ROADS—Treas. Dpt., at office Supervising Archt., Wash., D. C., roadway, walks at U. S. Marine Hospital, to Chicago Foundation Co., 33 South Clark St., $23,000. Noted Aug. 23.

Arkansas — LEVEE — U. S. Engineer Office, Memphis, Tenn., Levee Dists. 1 and 2, in Little River, White Co., to J. D. Bartholmew, Memphis, Tenn., $17,276.

Tex., Corsicana—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., extending, remodeling U. S. Post Office, to W. D. Lovell, 1415 8th St. S. E., Minneapolis, Minn., $71,488 (300 days). Noted Sept. 27.

Colorado — ROAD — Bureau Pub. Rds., Denver, grading 4.425 mi. Tennessee Pass, Natl. Forest Hy., Lake Co., to Gardner Bros. & Glenn, Silt, $68,422.

Wash., Fort Lewis—BARRACKS—Constructing Quartermaster, barracks building, to Chrisman & Snyder, Seattle, $502,006. Noted Sept. 20.

Ore., Portland — ROCK WALLS, etc. — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rock walls, roads and drainage, to J. A. Lyons, 1001 Helsey St., $14,900.

Unclassified

Proposed Work

OFFAL RECEIVING PLATFORM — **Cambridge** (br. Boston), **Mass.**—City, J. J. Terry, supt. P. Buildings, City Hall, revised plans by Blackall, Clapp & Whittemore, 31 West St., Boston, concrete, timber offal receiving platform, New and Raymond Sts. $60,000. Former bids rejected. Noted Aug. 30.

PLATFORMS—**New York, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., railroad platforms on right-of-way 161st St. near Morris Ave. $45,000.

PARKS and PLAYGROUNDS—**Teaneck** (br. Hackensack) **N. J.** — Twp. Comn., Municipal Bldg., several parks and playgrounds. $100,000. P. Fraleigh, Teaneck Rd. and Cedar Lane, engr.

GRAIN ELEVATOR—**McPherson, Kan.**—Wall-Rogalsky Elevator Co. plans by Homer & Wyatt, archts. and engrs., 468 Board Trade Bldg., Kansas City, Mo., 150,000 bu. grain storage elevator, rein.-con. $40,000.

AIRPORT—**Lincoln, Neb.**—City, c/o T. H. Berg, clk., soon takes bids 80 x 100 ft. hangar, 18 ft. high, with 76 ft. opening. $100,000. Grading awarded, to J. W. McGerr, 2535 Washington Ave. D. L. Erickson, City Hall, engr.

GARBAGE DOCKS—**St. Louis, Mo.**—Bd. P. Supervs., City Hall, preliminary plans 2 garbage unloading docks, rein.-con., one at wharf and Merermac St., other wharf and Clinton St. $130,000. W. W. Horner, City Hall, engr.

UNDERPASS — **Houston, Tex.** — City rein.-con. underpass, Houston Ave. $200,-000. J. C. McVea, city engr.

GAS SYSTEM — **Bessie, Okla.** — Taylor-Easterling Co., Kennedy Bldg., Tulsa, preliminary plans natural gas system. $25,-000. Private plans.

GAS SYSTEM—**Canton, Okla.**—Mid-West Gas Co., 302 South Cheyenne St., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

NATURAL GAS SYSTEM—**Gould, Okla.**—Mid West Gas Co., 302 South Cheyenne Ave., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

NATURAL GAS SYSTEM — **Longdale, Okla.**—Midwest Gas Co., 302 South Cheyenne St., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

DIESEL ENGINE and GENERATOR—**Marlow, Okla.**—Preliminary plans 600 hp. diesel engine and generator unit for city power plant. $25,000. L. A. Pritchett, Marlow, engr.

NATURAL GAS SYSTEM — **Thomas, Okla.**—Midwest Gas Co., 302 South Cheyenne St., Tulsa, preliminary plans natural gas system. $25,000. Private plans.

EXPOSITION, SWIMMING POOL and ANIMAL SHEDS, etc. — **Pueblo, Colo.** — Colorado State Fair Comn., c/o J. J. Clark, 1st Natl. Bank Bldg., plans by W. DeMordaunt, 738 1st Natl. Bank Bldg., fair exposition building, swimming pool and animal sheds, $300,000; concrete, steel grandstand, 10,000 seating capacity, $250,000.

ORNAMENTAL ELECTROLIER SYSTEM—**Fresno, Calif.**—Ornamental electrolier system on Fulton St. between Ventura Ave. and Calaveras St. $75,000. A. M. Jensen, city engr.

SWIMMING POOL, ETC. — **San Diego, Calif.**—G. W. Peck, 1st Natl. Bldg., plans by F. Hope, Jr., Spreckles Bldg., 75 x 165 ft. swimming pool, bath house, gymnasium, incl. heating, filtering and pumping plants, Kettner Blvd. between Date and Fir Sts. $75,000.

TRAINING CAMP — **San Luis Obispo, Calif.**—State of California and Federal Government, c/o Adjutant General, Sacramento, plans by G. B. McDougal, state archt., Sacramento, 15 mess halls, 1 truck storage building, extending water, sewer and electric lines, at National Guard Training Camp. $57,167.

Bids Desired

PALM HOUSE—**Brooklyn, N. Y.**—Oct. 9, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, repairing and altering existing palm house at Prospect Park.

SUBWAY—**Brooklyn, N. Y.**—Oct. 9, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5-A, Route 109, Rapid Transit R.R.

RETAINING WALL—**Long Island City, N. Y.**—Oct. 9, by Park Bd., W. R. Herrick, pres. Park Bd., Arsenal Bldg., New York, concrete retaining wall in Rainey Park, Queens Boro.

STATION FINISH—**New York, N. Y.**—Oct. 19, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish work for 50th, 59th St.—Columbus Circle, and 72nd St. Stations of Rapid Transit R.R.

SUBWAY—**New York, N. Y.**—Oct. 16, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Sect. 4, Route 106, Rapid Transit R.R., along and under Grand Blvd. and Concourse from point near East 175th to East 183rd Sts.

FILTER EQUIPMENT — **Rye, N. Y.** — Oct. 17, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, recirculating, filtering, sterilizing equipment plant, for salt or fresh water, in connection with swimming pool, Rye Beach Amusement Park, J. Downer, ch. engr.; adv. E. N.-R. Oct. 4.

TEST HOLES—**Indiana**—See "Bridges."

PLAYGROUND—**Indianapolis, Ind.**—Oct. 19, by C. M. Dawson, trustee Washington School Twp., 42nd St. State Bank Bldg., crushed stone playground at John Strange School, East 62nd St.

GAS MAINS — **Illinois** — See "Contracts Awarded."

LIGHTING SYSTEM—**Los Angeles, Calif.**—Oct. 8, by Supervs. Los Angeles Co. ornamental lighting system on Santa Monica Blvd. between Doheny Dr. and Croft Ave. $35,000.

WHARF—**Halifax, N. S.**—Oct. 10, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., reconstructing Wharf 5, and crane found. of Wharf 4.

Contracts Awarded

AIRPORT—**Boston, Mass.**—City, Park Dpt., 1 Beacon St., excavating, grading, surfacing, in connection with East Boston Airport, to Coleman Bros., 245 State St., $81,390. Noted Sept. 6.

COMFORT STATIONS — **New York** — Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, 2 comfort station buildings, on Hutchinson River Parkway, Eastchester and White Plains, to Garafano Constr. Co., 1st Natl. Bank Bldg., Mount Vernon, $20,957 and $10,487. Noted Sept. 6.

ROADS, WALKS, etc.—**New York, N. Y.**—Bd. Trustees Bellevue & Allied Hospitals, C. A. Perilli, acting pres., 415 East 26th St., roads, walks, railing grates, on grounds Bellevue Hospital, to M. C. Selig, Co., 44 Court St., Brooklyn, $59,706. Noted Sept. 6.

SPECIAL WORK—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work for Rapid Transit R.R., Order 45, to Bethlehem Steel Co., 25 Bway., New York, $46,890. This corrects report in Sept. 20 issue.

SWIMMING POOL—**Montclair, N. J.**—Y.M.C.A., 25 Park Ave., 3 story, 38 x 60 ft., brick, stucco swimming pool, locker, to Adams Faber Co., Loraine Ave. Est. $50,-000. Noted May 31.

FIELD HOUSE—**Marietta, O.**—Marietta College, for Ban Johnson Field House, 2 story, brick, concrete, to Foreman & Putnam, Marietta. Est. $180,000.

LIGHTING SYSTEM—**Detroit, Mich.**—Pub. Lighting Comn., 174 East Atwater St., special conduits, outlets in Griswold St. and Woodward Ave., to R. A. Mercier, 5435 Wesson Ave., $61,798.

GAS MAINS—**Illinois**—Illinois Power & Light Corp., Illinois Merchants Bank Bldg., Chicago, 50 mi. gas main extension connecting present mains at Edwardsville, Carlinsville, Mt. Olive, Litchfield, Staunton and Hillsboro, all in Macoupin and Montgomery Counties, own forces. $250,000.

AIRPLANE HANGAR—**Chicago, Ill.**—Gray Goose Airplane Co., Hearst Bldg., masonry contract 1 story, 110 x 170 ft., brick, to A. A. Low, 510 North Dearborn St. Est. $50,000.

STREET LIGHTING SYSTEM—**Madison, Wis.**—See "Streets and Roads."

CULVERTS — **Nebraska** — See "Streets and Roads."

Materials

Bids Desired

FUEL OIL—**Boston, Mass.**—Oct. 9, by Supply Dpt., light and heavy fuel oil to various city departments as required. H. S. Frost, supt.

WOOD PAVING BLOCKS — **Boston, Mass.**—Oct. 10, by Supply Dpt., wood paving blocks to Paving Dpt. as required. $5,000. H. S. Frost, supt.

LUMBER, etc.—**Staten Island, N. Y.**—Lansdale Constr. Corp., 104 West 42nd St., New York, in market lumber brick, cement, cement block, boilers, roofing tile.

CREOSOTED TIES—**Phila., Pa.**—Oct. 10, by Dpt. City Transit, C. E. Myers, dir., City Hall Annex, 468,200 ft. creosoted ties (southern long leaf yellow pine timber), for Broad Street Subway, Contr. 210.

Bids Received

ASPHALTIC MACADAM BINDER—**St. George, N. Y.**—J. A. Lynch, pres. Richmond Boro, Boro Hall, Sept. 26, 20,000 gal. asphaltic macadam binder, from Standard Oil Co., 26 Bway., New York, $2,154; 600 tons bituminous concrete in Dists. 1, 2 and 3, from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $9,744. Noted Sept. 29.

WATER PIPE—**Chicago, Ill.**—City, City Hall, Sept. 24, 2,120 tons 6- to 12-in. c.i. water pipe at various pipe yards from Glamorgan Pipe & Fdry. Co., 122 South Michigan Ave., at $43 per ton. Noted Sept. 20.

Contracts Awarded

ASPHALT SAND—**Brooklyn, N. Y.**—J. I. Byrne, pres. Brooklyn Boro, Boro Hall, 10,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., $10,000; 4,500 cu.yd. 1½ in. course aggregate, to Colgan Contg. Co., 90 William St., New York, $6,840. Noted Aug. 30.

STONE — **Detroit, Mich.** — Dpt. Parks & Blvds., Marquette Bldg., 7,500 to 10,000 tons man-size stone for water front improvements, Detroit River, to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., at $2.25 per ton.

See proposal advertising on page 140

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UNIT PRICES

Unit Price Lists Published in September, 1928

Bridge	Bridgewater, Vt.	Sept. 6
Bridge	Delaware	Sept. 6
Bridge	Akron, Ohio	Sept. 20
Bridge	Brenham, Tex	Sept. 27
Dam	Youngstown, Ohio	Sept. 13
Dock Wall	Albany, N. Y.	Sept. 27
Highway	Arizona	Sept. 27
Sewage Treatment Works	Chicago, Ill	Sept. 13
Straightening River	Chicago, Ill	Sept. 20
Water Supply	Springfield, Mass.	Sept. 6

Sewers—Seattle, Wash.

Board of Public Works opened bids Aug. 3, sewers in 48th Ave., South, et al. Bidders are: (A) F. Arcorace, 8423 48th Ave., S.; (B) McLellan & McLellan, Dexter Horton Bldg.; (C) McHugh & Coluccio; (D) T. Scalzo; (E) F. W. Badolato. W. D. Barkhuff, engineer.

	A	B	C	D	E
6,225 lin.ft. 8 in. pipe	$1.65	$1.45	$1.60	$1.60	$1.65
1,400 lin.ft. 10-in. pipe	1.75	1.60	1.75	1.70	1.70
365 lin.ft. 12-in. pipe	1.80	1.80	1.90	1.80	2.00
345 lin.ft. 15-in. pipe	2.35	2.45	2.00	2.25	2.70
1,050 lin.ft. 6-in. side sewer	.95	1.40	1.20	1.20	1.35
50 lin.ft. 6-in. stand conn.	.75	3.00	1.20	1.50	2.50
60 lin.ft. 6-in. sewer	.80	1.50	1.00	.90	2.00
33 manholes	100.00	100.00	100.00	110.00	100.00
1 overflow manhole	175.00	300.00	125.00	250.00	200.00
25 catch basins	100.00	100.00	100.00	90.00	100.00
13 catch basins	125.00	125.00	120.00	125.00	130.00
1 catch basin	120.00	110.00	100.00	100.00	120.00
1 sand box	80.00	100.00	70.00	70.00	100.00
5 cu.yd. conc. block	1.00	8.00	8.00	8.00	5.00
10 cu.yd. extra excav.	.50	3.00	1.50	2.00	1.00
10 cu.yd. gravel	1.50	5.00	3.00	3.00	2.50
2 cu.yd. rock pocket	4.00	5.00	3.00	3.00	5.00
400 cu.yd. rock excav.	.25	3.00	2.75	5.00	.05
Totals	$27,710	$28,249	$28,524	$29,688	$48,480

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Paving—Woodward, Okla.

City opened bids Aug. 20 paving in Street Improvement Dist. No. 7, 9th St., from (A) Fisher Construction Co., Woodward, (awarded contract); (B) Asplund Construction Co., Tecumseh, Neb.; (C) Highway Construction Co., Tulsa. Black & Veatch, 700 Mutual Bldg., Kansas City, engineers.

	A	B	C
4,000 cu.yd. earth excav.	$0.75	$0.80	$0.90
4,000 cu.yd. earth borrow	.75	.80	.90
11,200 sq.yd. fine grading	.10	.15	.13
11,200 cu.yd. overhaul	.05	.10	.10
Brick crosswalks removed, sq.ft.	.07	.10	.08
3,000 sq.ft. concrete crosswalks removed	.07	.10	.08
270 lin.ft. old curb removed	.10	.12	.14
11,200 sq.yd. 6 in. conc. pavement	2.35	2.33	2.38
2,812 lin.ft. 6 x 18 in. straight curb	.70	.75	.76
2,312 lin.ft. 6 x 20 in. straight curb	.70	.78	.80
650 lin.ft. 6 x 12 in. conc. headers	.40	.60	.65
85 ¾ in. corporation cocks	3.20	3.50	3.75
16 1 in. corporation cocks	5.00	5.00	6.00
85 ¾ in. curb cocks and boxes	5.00	5.00	5.50
4 2 in. curb cocks and boxes	25.00	27.50	25.00
1,200 lin.ft. ¾ in. lead pipe	.60	.85	.90
1,200 lin.ft. 1 in. lead pipe	.80	1.10	1.15
1,200 lin.ft. 2 in. lead pipe	1.60	1.65	1.60
4 branch conn. lead fl.	20.00	20.00	22.50
30 lin.ft. 30 in. vitr. conc. pipe	4.50	5.00	5.50
30 lin.ft. 33 in. vitr. conc. pipe	5.00	6.00	6.25
Totals	$34,232	$35,514	$36,312

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Waterway—Illinois

Department of Purchase & Construction, Division of Waterways, Springfield, opened bids Aug. 6, Contr. No. 10, miter lock and taintor gates for waterway construction, from (A) Independent Bridge Co., Box 1920, Pittsburgh, Pa., (awarded contract); (B) Duffin Iron Co., Chicago. William F. Mulvihill, supervisor. L. D. Cornish, chief engineer.

	A	B
1 cofferdam, pump and drain, (lump sum)	$15,000.00	$75,000.00
25 M. ft. B.M. pine and fir timber	150.00	160.00
155 M. ft. B.M. white oak timber	175.00	220.00
385 M. ft. B.M. creosoting lumber	66.00	160.00
314 cu.yd. conc.	25.00	50.00
24 cu.yd. sand	5.00	5.00
5,450,000 lb. structural steel	.11 85-100	.12
352,000 lb. steel castings	.35	.30
54,000 lb. gray iron castings	.35	.25
127,500 lb. steel forgings	.35	.35
43,500 lb. special steel forgings	.35	.30
27,000 lb. forged monel metal	.90	1.00
3,800 lb. spring steel	.15	.25
2,700 lb. cold rolled steel shafting	.15	.20
5,300 lb. lead alloy	.15	.12
27,000 lb. metal reinforcement	.05	.06
3,700 lb. bronze	.70	.75
900 lb. babbitt	.70	1.00
1,000 lb. galv. wt. st. pipe and fittings	.14	.40
58,000 lb. galv. wt. iron pipe and fittings	.15	.40
8 lock valves	3,000.00	3,000.00
6 flood sluice gates	3,000.00	2,600.00
1 30 in. sluice gate	600.00	850.00
1 24 in. sluice gate	520.00	800.00
10 12 in. sluice gates	150.00	300.00
1 6 in. flap valve	50.00	20.00
2 24 in. gate valves	500.00	700.00
1 6 in. gate valve	75.00	40.00
3 3 in. gate valves or cocks	15.00	18.00
3 2½ in. gate valves or cocks	10.00	18.00
2 2 in. gate valves or cocks	10.00	15.00
18 1½ in. gate valves or cocks	8.00	8.00
172 1 in. gate valves or cocks	7.00	8.00
90 ¾ in. monel metal ball ch. valve	5.00	6.00
9 ¾ in. steam and jet syphons	15.00	5.00
72 lin.ft. ¾ in. flexible metal hose	2.00	.30
39,000 lb. electric cables	.40	.40
35 electric cable hangers	2.00	4.00
322 electric cable racks	2.00	3.50
1,260 electric cable hooks	1.00	.75
150 electric cable supports	4.00	6.00
1,000 lb. galv. metal work, for which contract price does not include galv.	.05	.04
Totals	$990,535	$1,059,593
Deduct for 806,000 lb. metal work, furnished, fabricated and delivered, but not erected	20,150	32,240
	$970,385	$1,027,353

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Sewers—Fayetteville, N. C.

City opened bids Aug. 14 installing sewers, from (A) Porter Construction Co., Charlotte, (awarded contract); (B) McClelland Co., Charlotte; (C) Stowell Construction Co., Durham; (D) Cochran & Ross, Charlotte; (E) E. C. Derby, Fayetteville; (F) V. B. Higgins Co., Charlotte. Thomas D. Rose, 301 Huske Bldg., engineer.

Vitrified Pipe, 8 in. Depth	A	B	C	D	E	F
1,520 ft., 0- 6 ft.	$0.71	$0.58	$0.58	$0.54	$0.75	$0.75
3,903 ft., 6- 8 ft.	.86	.68	.68	.74	.95	1.00
3,606 ft., 8-10 ft.	1.01	.88	.85	1.07	1.18	1.75
2,400 ft., 10-12 ft.	1.26	1.18	1.10	1.41	2.00	2.90
2,540 ft., 12-14 ft.	1.50	2.05	1.65	2.15	2.85	3.50
2,205 ft., 14-16 ft.	2.01	3.05	3.20	2.92	3.35	5.00
780 ft., 16-18 ft.	2.51	3.55	4.30	4.40	4.78	6.50
370 ft., 18-20 ft.	3.01	4.55	5.80	5.80	6.00	9.00
240 ft., 20-22 ft.	4.01	5.55	8.00	7.02	7.38	12.00
54 manholes	80.00	70.00	90.00	60.00	100.00	100.00
4 flushtanks	100.00	80.00	125.00	100.00	100.00	100.00
711 Y branches	1.00	.50	1.10	1.00	2.00	1.00
Totals	$28,834	$31,713	$34,050	$34,465	$42,050	$56,019

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hospital, New York, N. Y., New York Ophthalmic Hospital, $6,000,000.

Bank and office, New York, N. Y., Amia Realty Corp., $5,000,000.

Waterworks, Seattle, Wash., City Council Utilities Com., $5,000,000.

Bridge, Grosse Isle, Mich., Detroit River-Canadian Bridge Corp., Chicago, Ill., $5,000,000.

Club house and office, Phila., Pa., Owner, c/o Simon & Simon, archts., $5,000,000.

Yarn Mill, Elizabethton, Tenn., Amer. Bemberg Corp., New York, $3,500,000.

Apartment and store, Chicago, Ill., P. F. Reynolds, $3,000,000.

Natural gas pipe line, Texas, Tri-Tex Utilities Co., San Antonio, $2,000,000.

Armory, Chicago, Ill., Perkins, Chatten & Hammond, archts., soon takes bids for One-Hundred-Twenty-Fourth Field Artillery, $1,500,000.

Apartment, New York, N. Y., New York Town House, $1,000,000.

Sanitarium, Lake Hopatcong, N. J., Deborah Sanitarium, Newark, $1,000,000.

High school, Topeka, Kan., election Nov. 6, $1,000,000.

Athletic club, Tulsa, Okla., Tulsa Athletic Club, $1,000,000.

Publishing plant, Detroit, Mich., Times Publishing Co., $1,000,000.

Bids Desired

Hospital, Milwaukee, Wis., Oct. 15, by E. Brielmaier & Sons, archts., for St. Joseph Hospital of Franciscan Sisters, $2,000,000.

Apartment, Chicago, Ill., Leichenko & Esser, archts., takes bids about Oct. 25, for W. J. Friedman, pres. corp., $1,500,000.

Sewers, Grand Rapids, Mich., bids about Dec. 15, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 196.

Contracts Awarded

Waterworks, New York, Bd. Water Supply, New York, to Patrick McGovern, Inc., New York, $42,692,568.

Theater and office, Newark, N. J., Fox Theaters Corp., New York, to Aronberg-Fried Co., New York, est., $7,500,000.

Furniture store, Toronto, Ont., J. Eaton Co., Ltd., general contract to G. A. Fuller Co. and others, total est. $2,500,000.

Oil pipe line, Texas, Texas Pipe Line Co., Houston, to Smith Bros., San Antonio, $2,000,000.

Plaza, Atlantic City, N. J., City Comrs., to Atlantic Constr. Co., and others, totalling $1,023,464.

Construction News of the Week

Waterworks

Proposed Work

O., Cincinnati—Hamilton Co., 15,708 ft. 6 in. c.i. mains in Water Supply Line 102, Dists. 2, 4 and 5. $30,582. L. C. Boyatt, Court House, engr.

O., Wickliffe—Preliminary surveys settling basins, enlarging capacity of filters, clear wells. $35,000. G. B. Gascoigne, 1149 Leader Bldg., Cleveland, consult. engr.

N. D., Watford City—Waterworks. $28,000. E. J. Thoms & W. Peterson, Minot, engrs.

Mont., Helena—Water supply. $614,000. V. N. Kessler, city clk.

Ark., Waldo — Preliminary plans waterworks. To exceed $15,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Okla., Blair—Waterworks. $30,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr. Noted June 28.

Colo., Calhan—City Council, G. E. Courter, clk., waterworks. A. A. Weiland, 1st Natl. Bank Bldg., Pueblo, engr.

Wash., Seattle — City Council Utilities Com., O. T. Erickson, chn., extending, improving water supply at Cedar River. $5,000,000. W. D. Barkhuff, city engr. $11,000 appropriated for preliminary survey.

Ont., Hamilton — Extending in Charlton Ave. $122,000. W. L. McFaul, City Hall, engr.

Ont., Wheatley — Village soon takes bids waterworks plant, c.i. mains, valves, hydrants, electrical driven centrifugal pumps, reservoir or water tank. $50,000. A. F. Connor & Co., Metropolitan Bldg., Toronto, engrs.

Bids Desired

Mass., Boston—H. T. Stephens, archt., 152 Market St., Paterson, N. J., taking bids waterworks, incl. 1,200 lin.ft. 8 in. c.i. pipe, hydrants, 100,000 gal. storage tank, 35 ft. high on 20 x 200 ft. rein.-con. substructure. Owner, c/o architect. $20,000. Noted Oct. 4.

N. Y., Harrison — Oct. 19, by Bd. Trustees Westchester Joint Water Works 1, 8 Elm St., Mamaroneck, extending mains from Mamaroneck Pumping Station to North St. and Pleasant Ridge Rd. Alexander Potter, 50 Church St., New York, and R. H. Stevens, Larchmont, assoc. engrs.; adv. E. N.-R. Oct. 11.

N. Y., Long Island City—Oct. 16, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 39th Pl. and 44th St., 1st Ward; James, 35th and 52nd Sts., Cooper, Corona, Irving, Bourton, 49th, 64th, 66th, 70th, 76th, 78th, 88th, and 105th Sts., 2nd Ward; 52nd Rd., Willets Point Blvd., 24th and 48th Aves., 123rd, 147th, 157th, 162nd, 205th and 206th Sts., 3rd Ward; 84th Rd., 84th Dr., Depot Pl., Gold, Sage and Union Sts., 4th Ward.

N. Y., New York—Oct. 16, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., removing, replacing broken low pressure fire hydrants, setting valves on hydrant branches, removing, resetting low and high pressure hydrants, removing fountain hydrants, valve boxes on abandoned flushing hydrants in various streets, Manhattan Boro.

Md., Baltimore—Oct. 17, by Bd. Awards, curb stop and roadway valve boxes to Bureau Water Supply. E. G. Rost, water engr.

Ill., Chicago—Oct. 18, by City at office Bd. Local Impvts., City Hall, water service pipes in 23 streets and avenues. M. J. Faherty, pres.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ia., Essex—Oct. 15, by DeLos Quist, city clk., 50,000, 60,000 or 75,000 gal. steel tank, 90 ft. tower, 1,272 ft. 4- to 8-in. c.i. McWane open bell or LeLavaud or monolithic pipe 4 valves, boxes. Henningson Eng. Co., Union State Bank Bldg., Omaha, Neb., engrs.

Kan., Gypsum—City Clerk takes bids about Oct. 15, 4 mi. 4 and 6 in. c.i. pipe, 28 fire hydrants, 25 four and six in. valves, 50,000 gal. tank on 110 ft. tower, 50 g.p.m. vertical and 300 g.p.m. horizontal centrifugal pumps. $55,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted June 21.

Mo., St. Louis—Oct. 30, by Bd. P. Wks., City Hall, complete heat insulation on all piping, heaters, pumps, boilers, breachings, air ducts, air preheaters, and induced draft fans, Howards Bend Waterworks Station on Missouri River St. Louis Co. $55,000. L. Day, City Hall, comr.

Tex., Corsicana — Oct. 16, by City, c/o J. S. Murchison, mayor, extending waterworks, incl. c.i. distribution mains, 400,000 gal. elevated tank. $60,000. Hawley & Frees, 411 Capps Bldg., Ft. Worth, engrs.

Tex., Dallas—Oct. 22, by E. Goforth, city secy., concrete underground reservoir, pumping station. $200,000. D. Morey, Jr., 417 Praetorian Bldg., engr.

Okla., Maud—Oct. 16, by F. Fowler, city clk., extending 12,900 ft. 6 and 8 in. c.i. mains, 19 fire hydrants, one 70 g.p.m. deep well pump and motor. $40,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 9.

Contracts Awarded

New York—Bd. Water Supply, Municipal Bldg., New York, Water Tunnel 2, from Yonkers to point in Brooklyn, 20 mi. distant, to Patrick McGovern, Inc., 50 East 42nd St., New York, $42,692,568. Noted Oct. 4.

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenues B, P, V, W, X, to Manhattan Water Works, Inc., 2212 12th Ave., New York, $13,770. Noted Sept. 13.

N. J., Fairlawn—Mayor and City Council, School 3, wells, pumping equipment, to J. C. Grundy, 310 5th Ave., Paterson, $48,024. Noted Sept. 20.

Mo., St. Louis—Bd. P. Wks., City Hall, valves, piping, filters, tanks and pumps for gravity systems at Missouri River Waterworks, to E. P. Ambler, 2822 La Salle St., $13,147; iron railing in filter plant, to City Foundry Co., 811 Park Ave., $10,000; grading, concrete paving Fairview Ave., to W. Watters, 2611 South Kingshighway, $4,823. Grand total $27,970. Noted Aug. 30.

Tex., Dallas — City, c/o M. G. James, secy., purification plant, to P. C. B. Montgomery, Constr.-Industrial Bldg., $590,189. Noted Aug. 23.

Tex., Hidalgo — Central Power & Light Co., c/o F. C. Ludden, dist. mgr., San Benito, waterworks, incl. laying pipe, mains, some lateral, constructing 50,000 gal. stand pipe. $30,000. Owner builds under supervision R. J. Randolph, McAllen, superv. Private plans.

Sewers

Proposed Work

N. Y., Long Island City — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., rejected bids Sept. 27, sewer in Beach 136th St. Noted Sept. 20.

See proposal advertising on page 140

Constr. News page 193

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

N. J., Union — Town Com. preliminary plans vitr. tile sewers in Elm St., Baltimore Ave., Augustine, Waldorf and Tebe Pls. $23,000. H. Kreh, Falls Bldg., twp. engr.

Miss., Flora—Soon takes bids complete sanitary sewerage system. $36,000 bonds voted for same. H. A. Mentz, Hammond, La., engr. Noted Sept. 6.

Mich., Hastings—Sewage disposal plant for entire system. $30,000. Giffels, Hamilton & Webber, Grand Rapids Natl. Bank Bldg., Grand Rapids, engrs.

Calif., Sacramento — City Council main trunk line sewer, laterals in North B St. from 5th to 18th Sts. $350,000. S. I. Hart, city engr.

Ont., Hamilton — Rein.-con. activated sludge system sewage disposal plant, pumps, piping, aerators, tanks, at Lottridge Inlet. $195,000. W. L. McFaul, City Hall, engr.

B. C., New Wesminster—Vancouver and Dist. Joint Sewage & Drainage Bd., Glenbrook sewer. $90,000. Work will probably be done by force account. E. A. Cleveland, 500 Beatty St., engr.

Bids Desired

Ind., Anderson — Oct. 15, by M. H. Downey, city engr., district sewer. $309,000.

Mich., Grand Rapids — Bids about Dec. 15, sewage disposal plant. $1,000,000. M. Adams, City Hall, engr. Noted Apr. 12.

Ill., Chicago—Oct. 18, by City at office Bd. Local Impvts., City Hall, tile sewers, brick manholes, catch basins in 13 streets and avenues; drains in 30 streets and avenues. M. J. Faherty, pres.

Ill., Metropolis—Oct. 15, by City Clerk, 32,752 ft. 6- to 15-in. vitr. clay sewers. $53,000. P. B. Wilson, Marion, engr. Noted July 5.

Contracts Awarded

Me., Portland—For 604 ft. of 44 x 56 in. rein.-con., brick sewers in Park Ave., to C. Profenno, Portland. Est. $25,000.

Mass., Milton—Town Sewerage Dpt., 1 story, brick, pumping station, Libby Rd., East Milton, to Cross & Roberts, Inc., Statler Bldg., Boston.

Mass., Nantucket—Weston & Sampson, engrs., 14 Beacon St., Boston, sewerage system, to Cenedella & Co., 68 School St., Milford, $29,112; pumping station, to J. E. Ballentine, 79 Sudbury St., Boston, $35,000. Noted Sept. 27.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Neptune Ave., to T. J. Graham, 8621 86th St., $98,187; East 8th St., to Manmill Constr. Co., 1780 Pitkin Ave., $2,180; East 19th St. and Avenue U, to R. Iovino, 678 Glenmore Ave., $605; Avenue S and Lenox Rd., to R. Nazzaro, Inc., 7101 11th Ave., $3,022 and $4,596 respectively. Grand total $108,590. Noted Aug. 30.

N. Y., Long Island City — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Beach 132nd St., to J. Gallo, 169-10 State St., Flushing, $112,022. Noted Sept. 20.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Fox Beach and Hunter Aves., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $69,672 and $17,996 respectively. Noted Sept. 20.

Md., Baltimore—Bd. Awards, sewer inlet, similar iron castings, Material Contr. 72, to Amer. Brake Shoe & Fdry. Co., Fulton Station, $23,890; vitr. terra cotta sewer pipe, Material Contr. 73, to Belair Building Supply Co., 5502 Belair Rd., $19,379. Noted Sept. 20.

Ill., Chicago—Bd. Local Impvts., City Hall, tile sewers, brick catchbasins, manholes in Cullom Ave., to Michael Pontarelli, 4848 Dakin St.; Foster and North Lawndale Aves., to L. Scully, 82 West Washington St.

Ia., Orange City—Sewage disposal plant, Imhoff tank, rock filters, to Repass Bros., 502 Frankel St., Des Moines, $19,706. Noted Sept. 13.

Neb., Omaha—To Humphreys Bros., 408 Securities Bldg., sewers in Dist. 971 $8,256, Dist. 974 $2,938, Dist. 1020 $941, Dist. 1021 $3,542, Dist. 1023 $1,664; to Gus Carlson Co. 4665 Pierce St., Dist. 972 $11,974. Grand total $29,315.

Neb., Rushville—Sewerage system, to Charles Robeck Co., 408 Security Bldg., Omaha, $43,880. Noted Sept. 13.

Okla., Clinton—For 36,000 ft. 8 and 10 in. vitr. clay sewers in Sewer Dist. 8, to Standard Paving Co., 2119 East 11th St., Tulsa $65,710. Est. $68,000.

Ont., Toronto—Sewers in Commissioners St., to T. Agnew, 350 Concord Ave., $22,367; Alexandria Blvd., to Mitchell Contg. Co., 28 Moore Ave., $8,150; Belsize Dr., to P. Corradi, 19 Hocken Ave., $3,249; Traumer Ave., to Risscica Bros., 84 Woodycrest Ave., $2,152; Don Roadway, to City by day labor, $15,335. Grand total $51,253.

Waste Disposal

Proposed Work

N. J., Millburn—Twp. Comn., Town Hall, incinerator. $70,000. E. R. Halsey, 79 Academy St., Newark, twp. engr.

Contracts Awarded

N. C., Charlotte—Incinerator building, installing equipment, to McClelland Co., 9 West 3rd St., $165,711. Noted Aug. 23.

Bridges

Proposed Work

Mich., Grosse Ile — Detroit River-Canadian Bridge Corp., 400 North Michigan Ave., Chicago, Ill., 3 or more span, 8,500 ft. steel, concrete bridge over Detroit River. $5,000,000. Standish Eng. Corp., 400 North Michigan Ave., Chicago, Ill., engrs.

Iowa—See "Contracts Awarded."

Mo., St. Louis—Bd. P. Serv., City Hall, rein.-con. viaduct to carry Morgan Ford Rd. over River Des Peres near southern city limits. $110,000. L. R. Bowen, City Hall, engr.

California—State Hy. Comn., Sacramento, bridge over Ventura River between Santa Clara and Meta Sts., Ventura Co. $250,000. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Bids Desired

N. Y., New York—Oct. 24, by A. Goldman, comr. Plant & Structures, Municipal Bldg., Manhattan Boro, East 238th Street Bridge over Bronx River Valley, Bronx Boro.

New Jersey—Oct. 22, by State Hy. Comn., Trenton, bridge over north channel Toms River, at M. P. 48.1, Route 4, Ocean Co. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 11.

Ala., Risco (mail Adamsville)—Nov. 6, by Jefferson Co. Bd. Revenue, Birmingham, 4 span, 400 ft. concrete bridge over Warrior River. $85,000. C. J. Rogers, Birmingham, co. engr. Noted May 3 under "Birmingham."

Iowa—Oct. 16, by State Hy. Comn., Ames, 240 x 20 ft. cantilever deck truss bridge with three 80 x 20 ft. approach spans, B-250, Dallas Co.—40 x 24 ft. concrete deck girder bridge, B-230, Dickson Co.—50 ft. rein.-con. arch bridge, F.A.B. 250, Louisa Co.—70 x 24 ft. through plate deck girder bridge, B-543, Washington Co.—three 40 x 24 ft. skew I-beam spans, 16 x 24 ft. concrete slab bridge and 32 culverts, B-579, Woodbury and Plymouth Counties—1 box culvert extension, P-544, Monroe Co. R. F. White, hy. comr.

Minn., Duluth—Oct. 20, by P. G. Phillips, comr. Dpt. P. Wks., City Hall, Lake Avenue South Bridge across Duluth Ship Canal. Harrington, Howard & Ash, 1012 Baltimore Ave., Kansas City, Mo., engrs.; adv. E. N.-R. Oct. 11.

Kan., Hillsdale—Oct. 19, by Clerk Miami Co., Paola, one 100 ft. and four 40 ft. span deck girder and arch bridge, Federal Aid Project 293-D, near here. Kansas Eng. Co., 601 Kansas St., Topeka engrs. Noted Mar. 1 under "Paola."

Kan., Wellington—Oct. 16, by Clerk Sumner Co., one 30 ft. and eleven 50 ft. span deck girder bridge, 20 ft. wide, alternate 1, one 30 ft. and seven 80 ft. steel truss spans, alternate 2, seven 77 ft. spans, concrete arch, 20 ft. wide; also four 50 ft. deck girder span bridge, 20 ft. wide. J. W. Mavity, Court House, engr. Noted July 26.

Contracts Awarded

New Jersey—State Hy. Comn., Trenton, steel, concrete bridge over Northern R.R. of New Jersey and Susquehanna & Western R.R., Hudson Co., to M. Millimet, Inc., 988 Bergenline Ave., Union City, $149,240. Noted Aug. 30.

Pa., McDonald—Comrs. Washington Co., Court House, Washington, general contract McBride Bridge over Racoon Creek 9, near here, to Shaid Eng Co., Elkins, W. Va., est. $40,000; Barington Bridge over Racoon Creek 18, to Purdy & Saunders, Imperial, est. $45,000.

Maryland—State Roads Comn., Baltimore, bridges, Contr. P-87, Prince George Co., to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $18,739—Contr. Ch-51, Charles Co., and Contr. P-88, Prince George Co., to Luten Bridge Co., York, Pa., $16,906 and $7,851 respectively—Contr. B-90, and Contr. B-93, Baltimore Co., to H. T. Campbell Sons Co., Towson, $21,713 and $7,404 respectively—Contr. P-180, Frederick Co., to Poffinberger & Mause, Myersville, $1,904. Grand total $74,517.

North Carolina—State Hy. Comn, Raleigh, rein.-con. bridges Catawba Co., to E. A. Wood & Co., Andrews, $80,942—Wake Co., to T. A. Loving & Co., Goldsboro, $34,049—Alexander Co., to Kiker & Yount, Reidsville, $27,882. Grand total $142,873. Noted Aug. 30.

Kentucky — State Hy. Dpt., Frankfort, substructure bridge over Cumberland River in Bell Co., to F. W. Graham Co., Pineville, $24,022; bridge over Simpson Creek, Nelson Co., to J. V. Schickli, Louisville, $15,169. Noted Sept. 13.

O., Youngstown—Bridge on North Watt St., to Swingle & Robinson Co., Columbus, O., $66,647.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in White Co., to Carmichael Cryder Co., Rialto Bldg., St. Louis, Mo., $122,010—Lake Co., to Taylor Constr. Co., Hubbard Woods, $22,792—Morgan Co., to G. G. Prendergast, St. Louis, Mo., $63,186—Whiteside and Henry Counties, to Stevens Bros., Endicott Bldg., St. Paul, Minn., $17,386—Morgan Co., to Illinois Steel Bridge Co., Jacksonville, $5,226—De Witt and Hancock Counties, to Zimmerly Bridge Co., Paris, $15,764—Boone Co., to Widell Co., Mankato, Minn., $34,102—Iroquois Co., to J. S. Woolf, Libertyville, $15,451. Grand total $238,817. Noted Apr. 26, June 7 and July 5.

Wisconsin — State Hy. and St. Croix, Clark and Eau Claire Counties Hy. Comns., 213 South Barstow St., Eau Claire, Augusta-Fall Creek Rd. Overhead Bridge, Project 395-D, Eau Claire Co., to Guaranty Constr. Co., 416 Essex Bldg., Minneapolis, Minn., $31,791. Noted Sept. 13 under "Streets and Roads."

Iowa—State Hy. Comn., Ames, bridge in Chickasaw Co., to Lundgren-Reis Co., 125 College St., Des Moines $14,930—Jackson Co., to P. Jayne, 2201 Mt. Vernon Ave., Cedar Rapids, $1,975—Pottawattamie Co., to Schaaf & Jacobson, Lake Park, $2,994—Warren Co., to B. Cole & Son, Ames, $58,945—Washington Co., to Iowa Bridge Co., Eastern Blvd. and 19th St., Des Moines, $1,431—Cherokee Co., to Christensen Bros., Tyler, $4,075. Grand total $84,360. Rejected bids 1 slab and 1 deck girder bridge in Fayette Co. Noted Sept. 27.

Kan., Norton—See "Streets and Roads."

Kan., Smith Center—See "Streets and Roads."

South Dakota—State Hy. Comn., Pierre, bridge in Minnehaha Co., to Pioneer Bridge Co., Mitchell, $35,398—Butte and Lawrence Counties, to Willis Bonesteel Co., Wagner, $7,691 and $9,129 respectively—Gregory Co., to Noonan-Hyde Co., Watertown, $5,461—Ziebach Co., to W. H. Pringle, Pierre, $8,190—Moody Co., to J. G. Corenson, Trent, $5,474—Custer Co., to Northwestern Eng. Co., Kadoka, $5,758—guard rail for 14 counties, to Summit Constr. Co., Summit, $18,715. Grand total $95,816.

Dams

Proposed Work

Mich., Morley—Stevens & Wood, engrs., 120 Bway., New York, making preliminary studies and plans for dam for Consumers Power Co., 244 West Michigan Ave., Jackson. Noted Mar. 29.

Texas—Central Power & Light Co., c/o Frost Bldg., San Antonio, and Texas Power Co., Dams 4 to 8 (inclusive), 15,000 hp., concrete, across Guadalupe River between New Braunfels and Gonzales. $75,000. Private plans.

Railways

Proposed Work

Texas—Kansas City Southern Ry. Co., A. N. Reece, ch. engr., Kansas City, Mo., 17 mi. new switching tracks at Beaumont. $300,000.

Bids Desired

Pennsylvania—Oct. 17, by Dpt. P. Wks., Bureau of Engineering & Survey, Phila., Schedule A, Frankford Bustleton and Byberry Surface Railway in Castor Ave. between Oxford Circle and point north of Cottman St.; Schedule B, paving Frankford Ave. between Cheltenham and Longshore Aves., in Philadelphia.

Contracts Awarded

Ontario—Toronto Transportation Comn., Yonge and Front Sts., Toronto, D. W. Harvey, ch. engr., 1½ mi. double track 12 in. concrete roadbed, new 100 lb. street railway track on St. Clair Ave., in Toronto, day labor. $400,000.

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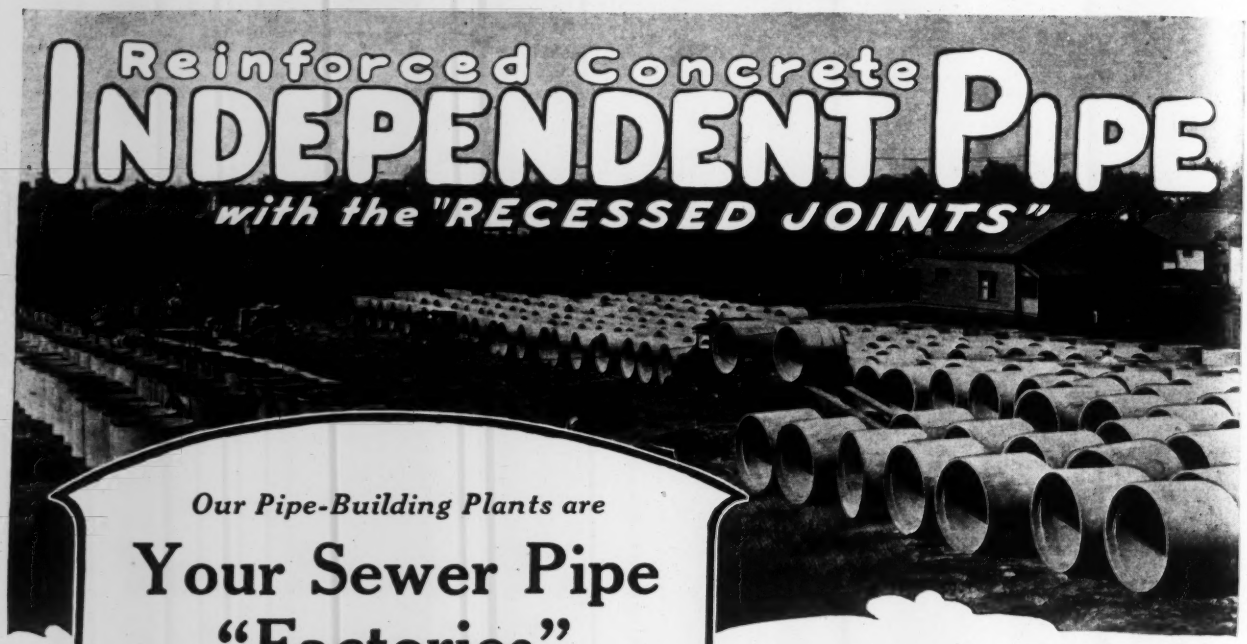
Reinforced Concrete INDEPENDENT PIPE

with the "RECESSED JOINTS"



Above—"Independent" Plant building concrete pipe for large sewer at Indianapolis

Our Pipe-Building Plants are

Your Sewer Pipe "Factories"

Benefit Local Business—Save Money

THE selection of INDEPENDENT Reinforced Concrete Pipe not only assures the construction of a permanent and efficient sewer at lowest cost, but it brings definite and immediate business benefits to your city.

Our special plant is established near the sewer site, and at once begins to build the pipe needed for the project—buying local materials and using local labor, wherever possible. For the time being, this plant is a "Home Industry" for your city.

The pipes are built exactly to specifications, by "factory" methods, which save time and money. Quality is guarded at every step by our trained superintendents and your inspectors. When properly cured, the pipe sections are delivered along the sewer line, ready for the contractor to lay.

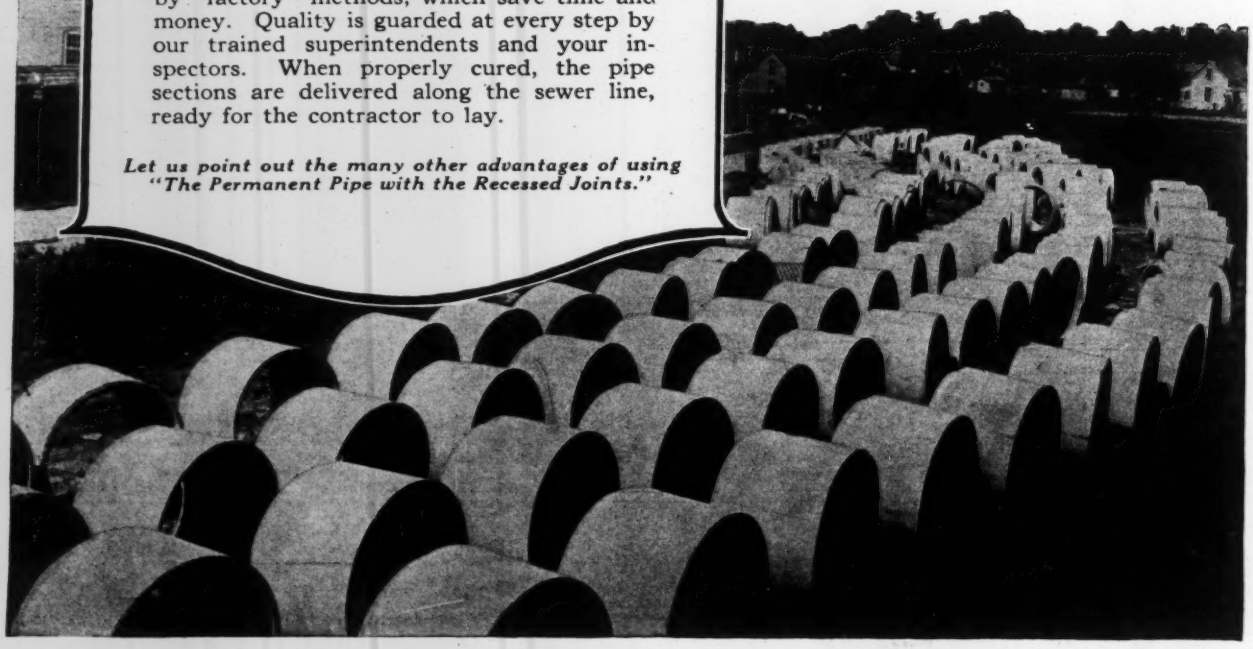
Let us point out the many other advantages of using "The Permanent Pipe with the Recessed Joints."

INDEPENDENT CONCRETE PIPE CO.

202 N. West St.,
Indianapolis, Ind.

America's Largest Producers of Reinforced Concrete Sewer Pipe, exclusively; in sizes from 24" to 108".

Below —"Independent" Plant at Rushville, Ind., manufacturing reinforced concrete pipe for a new sewer in that city.



Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Lynn—City, R. S. Bauer, mayor, soon takes bids bulkhead, dredging flats, bulkhead granite blocks. $500,000-$700,000. Morris-Knowles, Westinghouse Bldg., Pittsburgh, Pa., engrs. Noted Aug. 16.

N. Y., Rye—V. Green Co., Inc., Greenhaven, soon takes bids dredging, filling, bulkheads for waterfront development. F. H. Harris, 551 5th Ave., New York, consult. engr.

Bids Desired

N. Y., New York—Oct. 19, by M. Cosgrove, comr. Docks, Pier A, Battery Pl., dredging in Manhattan Boro, Contr. 1926; dredging slips adjacent to Pier 46, North River, Contr. 1927.

Contracts Awarded

Mass., Hatfield — Dpt. P. Wks., Boston, 1,150 ft. earth dike, furnishing 8,500 tons rip rap, to Kelliher Corp., Turners Falls, $22,520. Noted Oct. 11.

O., Cincinnati — Hamilton Co., Court House, retaining wall, fill in Muddy Creek, north of Cincinnati Ave., to Everett Rininger, Cleves, $19,310. Est. $27,050. Noted Aug. 16.

Streets and Roads

Bids Desired

Rhode Island—Oct. 17, by State Bd. P. Rds., Providence, 8 in. rein.-con. paving 3.22 mi. Contr. 2807, Warwick and Cranston; 6 in. bituminous macadam, penetration method paving 4 mi. Contr. 2814, Jamestown; adv. E. N.-R. Oct. 11.

Connecticut—Oct. 15, by J. A. MacDonald, state hy. comr., Hartford, rein.-con. paving 9,535 lin.ft. hys. in Westport; adv. E. N.-R. Oct. 11.

N. Y., Brooklyn—Oct. 17, by J. J. Byrne, pres., Brooklyn Boro, Boro Hall, grading, curbing, flagging, asphalt on 6 in. concrete paving 17th Ave.—grading, curbing, asphalt on concrete paving Westbury Court, Parrot Pl., 20th and Narrows Aves., Bay 7th and Elton Sts.—grading, curbing, flagging Bay 7th, Bay 8th, West 6th and 13th Sts.

N. Y., Long Island City—Oct. 15, by B. P. Patten, pres., Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks on Pavo Rd. and 162nd St. 43rd and Central Aves., 4 ft. stone gutters 162nd St.—sheet asphalt on concrete paving Pavo Rd.—granite block on concrete paving Flushing Ave.

N. Y., New York—Oct. 16, by Park Bd., W. R. Herrick, pres., The Arsenal, 64th St. and 5th Ave., Central Park, asphalt repaving walks in Riverside Park.

N. Y., New York City—Oct. 17, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., grading, sewers, culverts guard rails asphalt on concrete paving 151st and 231st Sts., Nereid, Wilcox, Lacombe, Arnow, Harrison, Burr, Andrews, Fenton, Mace and Allerton Aves.

N. J., Bayonne—Oct. 16, by Bd. City Comrs., City Hall, grading, curbing, sidewalks, rein.-con., paving 1,700 sq.yd. and Belgian Block repaving 100 sq.yd. West 10th St. from Avenue C to Bway. W. P. Lee, city clk.

N. J., Livingston — Oct. 15, by Twp. Comn., Central School, bituminous macadam paving Hillside Ave. $25,000. Freeman & Winston, MacIntosh Bldg., West Orange, engrs.

N. J., North Bergen (Ind. br. West New York)—Oct. 25, by Twp. Comn., Town Hall, grading, 5 ft. concrete sidewalks on Paterson Turnpike from Bergen Turnpike to westerly terminus. $25,000. R. Glenn, Town Hall, twp. engr.

N. J., Weehawken—Oct. 15, by Bd. Hudson Co. Blvd. Comrs., Court House, Jersey City, grading, 34,000 sq.ft. sidewalks on Boulevard East from Duer Pl. to Pershing Rd. $25,000. F. J. Radigan, Court House, Jersey City, co. engr.

Pa., Phila. — Oct. 16, by Dpt. P. Wks., Bureau of Hys., grading, asphalt paving, improving country roads, asphalt, and redressed granite block repaving, reconstructing steps on Montgomery Avenue Bridge.

Pa., Phila.—See "Railways" under "Pennsylvania."

Florida—Oct. 30, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee (**P. means Project**), alternate types paving 9.92 mi. Rd. 1, P. 672, Leon Co.—14.97 mi. Rd. 1, P. 673, Gadsden Co.—grading, 10.17 mi. Rd. 42, P. 738, 9.45 mi. Rd. 96, P. 820, and 5.19 mi. Rd. 96, P. 821, Jefferson Co.—17.54 mi. Rd. 10, P. 788, 10 mi. Rd. 115, P. 842, 4.23 mi. Rd. 33, P. 733, 7.89 mi. Rd. 40, P. 734, 13.71 mi. Rd. 40, P. 735, 7.28 mi. Rd. 40, P. 751, and 8.72 mi. P. 752, Walton Co. J. L. Cresap, state hy. engr.

Fla., Tampa—Oct. 18, by D. B. McKay, mayor, concrete curbing, paving 362.3 ft. 12th Ave. R. Casin, 208 Brooks Ave., engr.

Ala., Birmingham — Oct. 19, by City Comn., 2 in. asphalt on 5 in. concrete paving 7 blocks Finley Ave. $26,500. A. J. Hawkins, city engr.

Ala., Montevallo—Oct. 16, by Town, at office J. R. Johnson, mayor, grading, sewers, sidewalks and concrete paving 17,000 sq. yd. Robert L. Totten, Inc., B-M Bldg., Birmingham, consult. engrs.

Kentucky — Oct. 31, by State Hy. Dpt., Frankfort, surfacing 5.5 mi. Mayfield-Clinton Rd., S. P. 7-A. S, Graves Co.—furnishing, delivering as directed 15,000 tons crushed stone on 14.2 mi. Madisonville-Dixon Rd., S. P. 2-D, Hopkins Co. J. S. Watkins, hy. engr.

Ill., Cairo—Bids about Oct. 15, grading, rock asphalt resurfacing 35,920 sq.yd. Dist. 7. $35,116. G. F. Dewey, City Hall, engr. Noted Mar. 10, 1927.

Ill., Chicago—Comrs. Cook Co. bids about Oct. 12, improving 2.2 mi. 28th St.—3 mi. 1st Ave.—1 mi. Taft Rd. $248,000. G. A. Quinlan, 139 North Clark St., engrs.

Ill., Chicago—Oct. 18, by City, at office Bd. Local Impvts., City Hall, grading, 7 in. concrete paving 2 alleys—grading, curbing, guttering, sewers, asphalt concrete paving West 79th Pl., West 80th, 81st, Goodman and Mozart Sts., Constance, Saginaw, Matson, Miami, Princeton, Yale, South Hamilton, Leamington, Sacramento, Talman, Washtenaw, Fairfield, California, Francisco, North Mason and North Mormon Aves. M. J. Faherty, pres.

Iowa—Oct. 16, by State Hy. Comn., Ames, grading 9.948 mi. P-246 Keokuk Co.—2.909 mi. P-579-B, Plymouth Co.—6.03 mi. P-579-A, Woodbury Co.—1.11 mi. F-222, Van Buren Co.—paving 4.927 mi. F-239-A Appanoose Co.—8.322 mi. F-15 and 1.637 mi. P-605, Mills Co.—0.84 mi. P-543 Washington Co.—7.076 mi. F-91 and 4.747 mi. F-150, Wayne Co.—graveling 10 mi. P-486, Allamakee Co.—10.02 mi. P-277-B, and 8.25 mi. P-560 Bremer Co.—8.4 mi. P-533 Jackson Co.—12.6 mi. P-99 Jasper Co.—1.34 mi. P-294 Monroe Co.—4.2 mi. P-474 Wright Co.—3.32 mi. F-303 Tama Co.—7,100 cu.yd. channel change, Rd. 62, P-600, near Bellevue Jackson Co. R. F. White, hy. comr.

Ia., Primghar—Oct. 16, at office Auditor O'Brien Co., graveling 8.5 mi. roads in Omega and Waterman Twps. W. L. Anderson, Primghar, engr.

Kan., Winfield—Oct. 17, by Clerk Cowley Co., grading 3.879 mi. Federal Aid Project 230-F, 32 ft. Former bids rejected. B. Boyle, Winfield, engr. Noted Sept. 6.

Tex., Dallas — Oct. 22, by Comrs. Court Dallas Co., grading, drainage structures on Buckner Blvd.; improving Forney and East Grand Aves., and West Jefferson extension and Barnes Rds. C. E. Gross, aud. Noted Sept. 27.

Tex., Edinburg—Oct. 29, by Hidalgo Co. Rd. Dist. 4, c/o A. W. Cameron, judge, grading, paving 20 mi. roads. P. S. Devine, Pharr, engr.

Tex., Lefors — Oct. 22, by Comrs. Gray Co., grading, bridging 16 mi. Hy. 33 from Pampa to Roberts Co. line, $110,000; hard paving 5 mi. hy. south from Pampa on Oil Field Rd., $90,000. C. L. Hasie, Memphis, engr.

Tex., Port Aransas—W. R. Swan, Port Aransas, representative Syndicate taking bids hard paving 10 mi. road from Padre Island terminal of Don Patricio causeway to Beach Dr. $175,000. Private plans.

Nevada—Oct. 17, by State Hy. Comn., Carson City, grading, crushed graveling 20 mi. Route 3, Sect. 3, Esmeralda Co. S. C. Durkee, state hy. engr.

Calif., Los Angeles—Oct. 22, by Supervs. Los Angeles Co., grading, oil and rock surfacing 96,084 sq.ft. Prairie Ave. $48,852. G. W. Jones, Hall of Records Bldg., engr.

Ont., London—See "Contracts Awarded."

Contracts Awarded

Maine—State Hy. Dpt., Augusta, graveling 2.54 mi. hy. in Solon and Bingham, to I. J. Murphy, 12 Westwood Rd., Somerville, Mass.

Vt., Windsor — Hy. Dpt., Montpelier, rein.-con. paving 1.1 mi. hy., to Lane Constr. Corp., 37 Colony St. Meriden, Conn. Est. $25,000.

Massachusetts — Dpt. P. Wks., State House, Boston, graveling, oiling 9,200 ft. hy. in Princeton and Westminster, to Waterbury Rd. Constr. Co., Inc., Mansfield Depot, Conn., $38,241; rein.-con. paving 5,150 ft. Watertown, to T. McCue, 264 North Beacon St., Watertown, $69,881. Noted Oct. 11.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading East 95th St., to R. Lynster, 464 East 49th St., $3,213—Sea View Ave., to J. Cassalino, 211 North 7th St., $7,114—Union St., to J. J. M. Eng. & Contg. Co., 413 Sterling St., $814—grading, sheet asphalt on concrete paving East 36th St., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $6,633. Grand total $17,174. Noted Aug. 16.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, bituminous macadam paving Lee Ave., to Banbro Constr. Co., 24 Elizabeth St., West New Brighton, $16,288. Noted Sept. 20.

New Jersey — Bd. Freeholders Passaic Co., Court House, Paterson, paving Praget Ave., Clifton, and Stevens Ave., Little Falls to Francisco Bros., Ridge Rd., Little Falls, $37,079.

N. J., Clifton — Bd. City Council, City Hall, curbing, sidewalks on Harding Ave. and 3rd St., to B. E. Daniels Co., Inc., 349 Franklin Ave., Nutley, $33,070.

N. J., Hillside (br. Newark) — Twp. Com., Town Hall, grading, curbing, sheet asphalt on 6 in. concrete paving Liberty Ave., to J. F. Chapman & Son, 1439 North Broad St., Hillside, $34,035. Est. $42,000.

N. J., Newark—Sheet asphalt on concrete paving Johnson Ave. and Shofield St., to J. B. Gilligan Casey Co., 972 Broad St., $28,019. Noted Sept. 20.

N. J., Weehawken—Bd. Blvd. Comrs., Court House, Jersey City, sheet asphalt on 8 in. concrete paving Boulevard East between King Ave. and Duer Pl., to Clinton Asphalt Co., 308 16th St., Union City, $29,528. Noted Sept. 20.

Pa., Monessen—J. C. Lermann, city clk., vitr. brick paving Alliquippa, Indiana and Lenawee Aves., to P. D'Renzio, Fayette, $26,000. Noted Sept. 20.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Duffin Bros., Penn and Womrath Sts., grading Belgrade St. $800; Kingston St. $1,881; Masland St. $1,079—to J. Herzog, 4314 Old York Rd., Boudinot St. $219; Ellicot St. $5,816—to J. E. Molloy, 15 East Mermaid St., Erdrick, Sanger, Tackawanna and Valley Sts. $3,539—to L. Dolente, 5,122 Master St., Island St. (east side) $18,249—to Wilson-Martin, Inc., 1501 North 2nd St., Large St. $965; improving Ditman and Emerson (country) Rds. $4,742; Tudor St. $2,349; Vista St. $4,033—to F. Cellucci, 644 North 65th St., grading Locust St. $706—to R. B. Wenner, 2819 West Gordon St., Mermaid St. $855—to M. Masse, 3936 North Reese St., Oakley, Rockwell and Shelmire Sts. $7,563—to W. J. Harper Co., 430 East Moyer St., Tudor St. $1,005—to T. P. Lee, 5629 Cherry St., 60th St. $876—to Municipal Constr. Co., Washington Sq. Bldg., asphalt paving (assessment work), Charles Erdrick and Walker Sts. $26,291; Gardenia St. $5,429; Hartel St. $16,141; Lindbergh Blvd. and 61st St. $19,522; Lindley St. $12,287; 18th St. $8,424; asphalt repaving Amber and Madison Sts. $21,463; Mildred and Sheridan Sts. $1,729; Pike, Reese and 6th Sts. $15,936—to Barber Asphalt Co., Hunting Park Ave. and E St., asphalt paving (assessment work) Guilford and Teesdale Sts. $14,275; Magee St. $10,839—to Union Paving Co., 123 South 21st St., Guyer Ave. $3,888, Medary St. $8,584; improving Tinicum St. $62,577—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work) St. Vincent St. $9,361—to M. Y. Neely, Inc., Bustleton, improving Dungan Rd. $3,875—to Frank Mark Constr. Co., Caster and Winghocking Sts., Fuller Rd. $3,202—to Curtis Bros., 6640 State Rd., Hasbrook Rd. $5,474—to F. A. Carruso & Son, 804 South 12th St., Oakley, Rockwell and Shelmire Rds. $14,710—to Elkins Paving & Constr. Co., 834 Holly St., constructing runways and improving Municipal Aviation Field, Penrose Ave. and Island Rd. $7,500. Grand total $326,083.

Pa., Wilkinsburg—Allegheny Co., Court House, Pittsburgh, rein.-con. paving 4,221 ft. Graham Blvd., 18 and 27 ft. to McCrady Bros., Braddock, $50,505. Est. $85,000. Noted Sept. 6.

Maryland — State Roads Comn., Baltimore, concrete shoulders on 7.2 mi. Allegany Co., to Cumberland Contg. Co., Cumberland, $22,733—6.85 mi. Frederick Co., to L. R. Waesche, Thurmont, $45,012 — concrete paving 1.75 mi. Garrett Co., to T. D. Cialbone, Garet Bldg., Baltimore, $46,202. Grand total $113,947.

W. Va., Charleston—Kanawha Co., concrete paving 5,500 sq.yd. Dunbar-Sattes Rd., to Ferguson Bros. Shinnston, $68,405. Noted Sept. 13.

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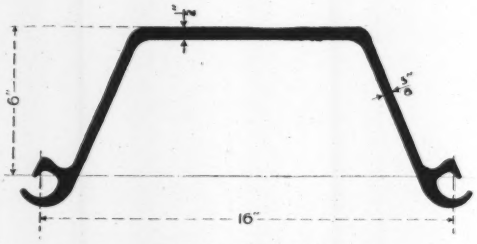
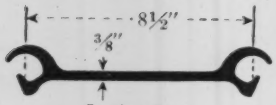
TWO *NEW* LACKAWANNA STEEL SHEET PILING SECTIONS

Section DP 166 —16" x 6" Deep-Arch Piling is especially suitable for bulkheads, retaining walls and other applications in which great strength is required.

This New Section weighs 42.6 lbs. per lineal foot and 32 lbs. per square foot of wall, and is deeper, thicker and stronger than the DP 165, 16" x 5" Deep-Arch Section, which it supplements. Its Section Modulus per lineal foot of wall is— Single, 15.21 in.^{3}; Interlocked, 24.81 in.^{3}



Section DP 166



Section 8a

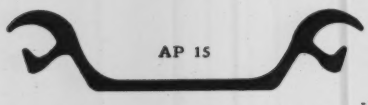
Section SP 8a— 8½" Straight-Web Piling— meets the demand for a light-weight Section with minimum web thickness of ⅜", so often specified for cut-off walls and similar uses.

These new Lackawanna Steel Sheet Piling Sections occupy a place on our regular rolling schedules. Orders can be filled promptly.

A wall made entirely of Section DP 165 or the New Section DP 166, appears as diagramatically shown here. Unusual strength and rigidity are outstanding features of a wall of this depth and design.

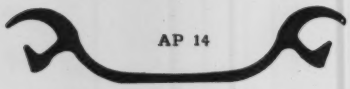
Here we show either Deep-Arch Section DP 166 or DP 165 interlocked alternately with the new Straight-Web Section SP 8a. This combination is most suitable for installations in which the strength and light weight of Deep-Arch Sections are desired but where a shallow wall is necessary.

Each Lackawanna Steel Sheet Piling Section has its own particular applications and its own features of design. For your information, we list below a few of the characteristics of other Lackawanna Sections. More detailed data can be obtained from Bulletin 115.



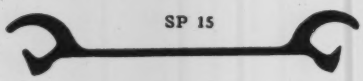
AP 15

Arched-Web Section AP 15 is a 15" Pile with 4-1/8" overall depth. It weighs 58.1 lbs. per lineal foot and 46.5 lbs. per sq. ft. of wall. Web thickness is 9/16".



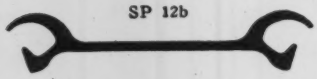
AP 14

Arched-Web Section AP 14 is a 14" Pile with 3-11/16" overall depth. It weighs 40.8 lbs. per lineal foot and 35 lbs. per sq. ft. of wall. Web thickness is 3/8".



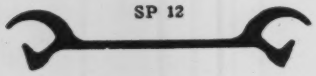
SP 15

Straight-Web Section SP 15 is a 15" Pile, weighing 42.6 lbs. per lineal foot and 34.1 lbs. per sq. ft. of wall. Web thickness is 3/8".



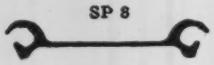
SP 12b

Straight-Web Section SP 12b is a 12-¾" Pile, weighing 40.9 lbs. per lineal foot and 38.5 lbs. per sq. ft. of wall. Web thickness is ½".



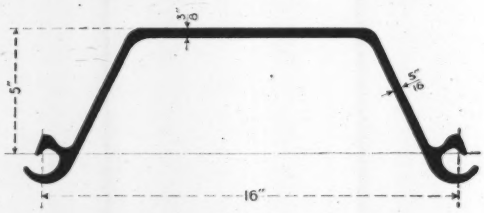
SP 12

Straight-Web Section SP 12 is a 12¾" Pile, weighing 37.2 lbs. per lineal foot and 35 lbs. per sq. ft. of wall. Web thickness is 3/8".



SP 8

Straight-Web Section SP 8 is an 8½" Pile, weighing 14.7 lbs. per lineal foot and 20.8 lbs. per sq. ft. of wall. Web thickness is 13/64".



DP 165

Deep-Arch Section DP 165 is a 16" x 5" Pile, weighing 33.3 lbs. per lineal foot. Since its introduction about six months ago, DP 165 has been used extensively. It has fulfilled every claim, and its success has led to the introduction of a second Lackawanna Deep-Arch Section, the new DP 166.

If you have not already received a copy of Bulletin 115, write now to the Bethlehem District Office nearest you.

BETHLEHEM STEEL COMPANY
General Offices: BETHLEHEM, PA.

District Offices: New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Cincinnati, Detroit Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.

Bethlehem Steel Export Corporation, New York
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BETHLEHEM

Streets and Roads (Continued)

W. Va., New Cumberland—Hancock Co., surfacing 1 mi. Butler Dist. Rd., to F. Robinson, New Cumberland, $30,000.

W. Va., New Martinsville — Wetzel Co. surfacing 12 mi. North Fork Rd., to Davis & Pattison, Linesville, Pa., $82,184; grading 3½ mi. Pt. Pleasant Rd. and road from Maney Run to Porters Falls, to Keeley Constr. Co., Clarksburg, $34,277.

W. Va., Winfield—Grading 74,000 cu.yd. Project 3311, Hurricane-Mt. Vernon Rd., to Reed & Lapsley, Stop 8, South Charleston, $36,583.

North Carolina — State Hy. Comn., Raleigh, grading, topsoiling 12.56 mi. Anson Co., and 8.35 mi. Rockingham Co., to W. E. Graham, Mt. Ulla, $46,007 and $43,186 respectively — 3.06 mi. Cherokee Co., to Gambill Constr. Co., Asheville, $34,750—10.12 mi. Stanley Co., to L. J. Smith, Asheville, $54,226 — grading, concrete paving 6.23 mi. Alamance Co., to Coastal Constr. Co., Florence, S. C., $132,633—7.62 mi. Halifax Co., to Roberts Paving Co., Salisbury, Md., $154,762—2.7 mi. Mecklenburg Co., to Porter Constr. Co., Dothan, Ala., $54,786. Grand total $520,350. Noted Aug. 30.

Ga., Brunswick — Paving, to Langston Constr. Co., Orlando, Fla., $108,865. Noted Nov. 24.

Florida—State Roads Dpt., F. A. Hathaway, chn., Tallahassee, concrete paving 17.982 mi. Leon Co., to Nelson Bros., Clearwater, $391,282.

Fla., Gainesville—At office Bd. Bond Trustees Special Road & Bridge Dist. 1, Alachua Co., 150,000 sq.yd. single surface treatment on limerock paving, clearing, grubbing, timber bridges, culverts, to L. M. Gray, Gainesville. Noted Sept. 13.

Ala., Birmingham—City Comn., to Wesco Co., Martin Bldg., removing wooden blocks, sheet asphalt paving 21st St. Viaduct, $7,228 2 in. asphalt on 5 in. concrete paving 18th St. Ensley $8,530; 2 in. asphalt on 6 in. concrete paving 19th St., Ensley, $30,429—to Dunn Constr. Co., Lincoln Life Bldg., 3rd Ave. N., $14,410—to Richardson Trading Co., American-Traders Bldg., 6 in. concrete paving 1st Alley southeast of Bush Blvd., $1,088; Highland Alley, $975—to W. H. Pattie, 1566 North 23rd St., 2 in. asphalt on 5 in. concrete paving 6th Ave. S., $3,105—to Newall Constr. Co., Martin Bldg., 2½ in. asphalt paving 55th Pl. S., $3,220—to Sinclair Transfer Co., 423 17th St., 5 in. concrete paving Bush Blvd., $2,065—to Independent Paving Co., 3828 1st Ave. S., 2 in. asphalt on 5 in. concrete paving 6th Ave. and 52nd Pl., S., $7,602. Grand total $78,652. Noted Sept. 20.

Kentucky — State Hy. Dpt., Frankfort, grading, using 1st class rein.-con. pipe 6.291 mi. road in Calloway Co., to Bradley & Wilson, Kevil, $43,581—6.117 mi. Casey Co., to Cundiff & Carrigan, Liberty, $55,437—6.25 mi. Henderson Co., to Carter, Carter & Braden, Clay, $57,806—12.659 mi. Henry Co., to Kinser & Oller Co., Litchfield, $62,028—2.839 mi. Powell Co., to Mason Constr. Co., West Point, $49,687—6.481 mi. Lincoln Co., to M. Lutes & Son, Lexington, $63,211—2.840 mi. Green Co., and grading, traffic bound macadam surfacing 17.549 mi. Anderson Co., to H. S. Type & Son, Eminence, $60,822 and $165,928 respectively—traffic bound macadam surfacing 2.086 mi. Franklin Co., to Frankfort Supply Co., Frankfort, $11,660—8.726 mi. Henry and Shelby Counties, to Hoke Co., Beuchel, $31,329—4 mi. Pendleton Co., to J. S. Walton Co., Bradenburg, $42,861—4.936 mi. Robertson Co., to J. M. Perkins Co., Frankfort, $39,027—river gravel on bank gravel surfacing 6.399 mi. Webster Co., to N. E. Stone & Co., Madisonville, $49,581. Grand total $732,958.

O., Beachwood (br. Cleveland)—Bituminous concrete paving Campus Rd. and Beachwood Blvd., to Highway Constr. Co., Guarantee Title Bldg., Cleveland, $19,910 and $28,850 respectively.

O., Cincinnati—C. O. Sherrill, city mgr., improving Lester Rd., to Brewer & Brewer Sons, 215 Hazen Bldg., $57,533—Madison Rd., to A. J. Henkel Constr. Co., Bell Blk., $50,591 — Hamilton Ave., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., $43,553. Grand total $151,577. Noted Aug. 30.

O., Kenmore—Sheet asphalt resurfacing south side Kenmore Blvd. between 12th and 18th Sts., to Columbus Asphalt Paving Co., Buckeye Bldg., Akron, $26,546, est. $25,000—North 13th St., to McCourt Constr. Co., 369 South Main St., Akron, $26,816, est. $30,000—brick paving North 10th St., to Thorpe Constr. Co., Akron, $27,708, est. $25,000. Grand total $81,070.

O., Salem—Bd. Control, asphalt resurfacing Grant, Etna and Pershing Aves., to Kelly-Myer, Poland Ave., Youngstown, $31,876. Est. $34,000. Noted Mar. 22.

O., Youngstown — Improving Andrews Ave., to H. E. Cubbertson Co., 476½ Luckhaupt Ave., Cleveland, $166,822. Est. $175,000.

Michigan—C. L. Cowgill, resident engr., Plymouth, concrete paving 0.971 mi. MO50-6, C-1, 20 ft., Macomb Co., to J. McKay & Son, Detroit, for State Hy. Dpt., Lansing. $53,800 incl. cement. Noted Aug. 23.

Michigan—A. R. Schaefer, resident engr., Newberry, concrete paving 0.931 mi. MO49-15, C-1, 20 ft., Mackinac Co., to Marsman & Taber, Grand Rapids, for State Hy. Lpt., Lansing. $29,682 incl. cement. Noted Sept. 6.

Illinois — State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving bridging Madison and St. Clair Counties, to Stocker Gravel & Constr. Co., Highland, $208,970—Randolph Co., to Moore Bros. Constr. Co., East St. Louis, $296,147—paving Lake Co., to M. R. Homer Constr. Co., Omaha, Neb., $141,869—McLean and De Witt Counties, to Wabash Constr. Co., Vincennes, Ind., $141,737—St. Clair Co., to H. H. Hall, East St. Louis, $23,469—Whiteside and Henry Counties, to Stevens Bros., Endicott Bldg., St. Paul, Minn., $206,454—Kendall Co., to Hurden Constr. Co., Springfield, $8,892—Green Co., to McElwee & Rogy, Peoria, $13,342—McHenry and Lake Counties, to Kapschull Davis Co., Deerfield, $162,673—Shelby and Moultrie Counties, to J. C. O'Connor & Sons, Ft. Wayne, Ind., $300,698—Peoria and Tazewell Counties, to Jansen & Schaefer, Pekin, $16,268—grading White Co., to Keating Bros., St. Louis, Mo., $104,640—Bureau Co., to Horton & Sternberg, Chicago, $55,771—Pike Co., to S. J. Groves & Sons, Globe Bldg., Minneapolis, Minn., $44,104—Livingston Co., to Duncan Constr. Co., La Salle, $33,570—Cass and Morgan Counties, to Feiner & Luick, St. Louis, Mo., $74,748. Grand total $1,833,352. Noted Apr. 26, June 7 and July 5.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, asphalt on 6 in. concrete paving Belle Plaine, Bates and South Homan Aves., to White Paving Co., 1735 Fullerton Ave.—Kimball and North Mansfield Aves., to Barber Paving Co.—grading, curbing, guttering, sewers, 8 and 10 in. concrete paving Glory Pl., Moffat St. and Haddon Ave., to J. A. Ross & Co., 4561 Armitage Ave.—South Kedzie Ave., to Ready Coal & Constr. Co.—Granville, Glenlake, North Harding, Springfield, Avers and Hamlin Aves., to Marquette Constr. Co., 4726 North Winchester St.

Ill., Forest Park—Concrete paving 10,130 sq.yd. Madison Ave., 21,396 sq.yd. Roosevelt Rd., and 10,354 sq.yd. 15th St., to Universal Paving Co., 228 North La Salle St., Chicago, $88,640. Noted Sept. 20.

Ill., Summit—Concrete paving 12,700 sq. yd., to G. F. Santry & Co., 3331 Flournoy St., Chicago, $55,177.

Wisconsin—State Hy. Comn., Madison, concrete paving 4.8809 mi. Project 444-D, Washington Co., to Lex Constr. Co., West Allis, $154,039.

Wisconsin — State and St. Croix, Clark and Eau Claire Counties Hy. Comns., 213 South Barstow St., Eau Claire, grading 49,959 cu.yd. Augusta-Fall Creek Rd., Project 395-D, to L. R. Pierce, Appleton, $16,473—concrete paving 3,178 sq.yd. same road, to A. R. Garnock, Eau Claire, $7,955—grading 17,509 cu.yd. Stanley-Thorp Rd., Project 6676, Option C, to Ferd Grahl Constr. Co., Medford, $8,920—Option B, same road, to G. F. Toebe, Chippewa Falls, $3,647 — 49,227 cu.yd. Project 6993, St. Croix Co., to L. A. Bumgardner Co., 317 Hackney Bldg., St. Paul, Minn., $23,322. Grand total $50,317. Noted Sept. 13.

Wis., Milwaukee—To Schwerm Bros., 50 Lee St., grading, paving 1 alley $1,503; Dixon St. $3,084—to A. E. Retzlaff, 868 Island Ave., Chambers St. $5,174—to Gumz & Switalski, 831 13th Ave., 15th Ave. $27,564; 62nd St. $4,872; 63rd St. $15,124—to White Constr. Co., 68 East Wisconsin Ave., Milwaukee St. $10,780—to N. Harris, Girard and St. Albian Sts., Park Hill Ave. $1,540; St. Paul Ave. $1,512—to F. W. Blodgett, Inc., 521 Newton Ave., 30th Ave. $4,404—to J. C. Bluhm & Son, 1299 Achilles Ave. Windemere Ct. $4,067. Grand total $79,614.

Wis., Milwaukee—To Gumz & Switalski, 831 13th Ave., grading, paving 1 alley $4,450; Rhode Island Ave. $2,646; 31st Ave. $5,126; 22nd Ave. $26,782—to C. F. Wussow, 1067 39th St., American Ave. $1,717; 14th Ave. $3,532; 13th Ave. $2,540; 12th Ave. $2,685 Wilbur Ave. $3,253—to H. R. Houtkamp, 501 2nd Ave., Clement Ave. $1,792; 13th St. $1,792; 13th St. $1,969, 27th St. $161—to Schwerm Bros., 50 Lee St., Wisconsin Ave., $714; Roosevelt Dr. $18,602—to F. W. Blodgett, 521 Newton Ave., Whitnall St. $10,495—to J. C. Bluhm & Son, 1299 Achilles Ave., Concordia Ave. $3,260—to Bonness & Sprout, 1226 3rd St., 11th St. $1,664—to A. J. Koch, 1297 Cramer St., Martin St. $7,536—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Lincoln Ave. $29,430; Locust St. $5,412; Quincy St. $6,609. Grand total $140,375.

Ia., Hampton—Curbing, 6 in. rein.-con. paving 12,300 sq.yd. 7 streets, to Bemis & Schlick, 503 Surety Bldg., Des Moines, at $2.09 per sq.yd. Noted Sept. 6.

Ia., McGregor—Asphaltic concrete paving 29,982 sq.yd., to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City. Est. $72,000.

Ia., Toledo — Tama Co., to G. H. Lowe, Cluster, improving roads, 87,900 cu.yd. earth excav. at $0.195 and $0.218 per cu.yd. respectively, 67 cu.yd. loose and solid rock $0.30, 60 cu.yd. loose rock $1.50, 31 cu.yd. solid rock $2, 55,000 sta.yd. overhaul $0.02, 600 ft. culvert labor $0.15 and $0.20, clearing and grubbing $2,800.

Minn., Alexandria—J. D. Larson, aud. Douglas Co., grading 221,948 cu.yd. County Job 2702, to Lobnitz Bros., Willmar, $54,095. Est. $40,000. Noted Sept. 6.

Kan., Belleville — Republic Co., grading 6.416 mi. Federal Aid Project 313-B, to D. Scherrer, 329 North 18th St., Kansas City, $26,846. Noted Feb. 9.

Kan., Cottonwood Falls—Chase Co., grading, culverts 6.012 mi. Federal Aid Project 357-E, 30 ft., to E. W. Kolterman, 404 Securities Bldg., Omaha, Neb., $53,680. Noted July 19.

Kan., Girard—Crawford Co., chats surfacing 2.98 mi. Project 23, Sect. B, to Independent Constr. Co., Pittsburg, $16,018; 7 mi. Project 551, Sect. B, to C. Simion, Pittsburg, $12,900.

Kan., Hays—Ellis Co., graveling 13,356 cu.yd. U. S. Road 48-S, Project 536, to Koehler Constr. Co., Sterling, Neb., $35,794. Noted Aug. 23.

Kan., Hoxie — Sheridan Co., grading, bridging 2.975 mi. Federal Aid Project 318-B, Hoxie-Hill City Rd., to Mead & Hardman, Alton, $45,053. Noted Sept. 6.

Kan., Norton — Norton Co., grading, bridging 5.297 mi. Federal Aid Project 345-B and 0.303 mi. Rd. 36, to Young & Hall, Maywood, Neb., $77,924. Noted Aug. 23.

Kan., Smith Center—Smith Co., 30 ft. grading 5.061 mi. Federal Aid Project 364, Sects. C and D, to A. L. Cook, Ottawa, $18,557; bridges on same road, to Kelly & Johnson, Talmo, $16,798. Noted Sept. 13.

Nebraska—Dpt. P. Wks., Lincoln, grading Project 5, Madison Co., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, $43,951. Noted July 26.

Neb., Fremont—Grading, curbing, 6 in. rein.-con. paving 9,500 sq.yd. Dist. 87, to Roberts Constr. Co., 404-5 1st Natl. Bank Bldg., Lincoln, at $1.72 per sq.yd.

South Dakota—State Hy. Comn., Pierre, to Dowd Bros. & Noonan-Hyde, Watertown, grading 20.26 mi. Sioux Falls-Dell Rapids Rd. $60,050—to C. Flaugher, Canistota, resurfacing 7.994 mi. McCook Co. $2,455—to Van & Van, Hull, Iowa., 11.518 mi. Miner Co. $6,539; graveling 10.05 mi. Hyde Co. $15,326—to Summit Constr. Co., Summit, 10.67 mi. road south from Belvidere $8,357; 21.25 mi. Kingbury Co. $25,278; 8.918 mi. Jackson Co. $4,945; 29.98 mi. Lincoln Co. $28,705—to J. L. Manley, Milbank, 11.93 mi. Day Co. $19,561. Grand total $171,216.

Montana—State Hy. Comn. Helena, grading, crushed graveling 13,790 cu.yd. Billings-Laurel Rd., Federal Aid Project 228-B, Yellowstone Co., to J. M. Carter, Billings, $35,360. Est. $46,860.

Mo., Brookfield — Grading, curbing, concrete paving 10,201 cu.yd., to H. Tidd, 104 West 21st St., Hutchinson, Kan. Est. $70,000. Noted Aug. 30.

Mo., Clayton—St. Louis Co., grading, concrete slab paving 28,000 sq.yd. Clayton Rd., to C. Israel, 2424 Oakland Ave., $68,948. Est. $80,080. Noted Sept. 20.

Mo., St. Louis—See "Waterworks."

Mo., Sikeston—P. H. Stevenson, city clk., grading, curbing, concrete paving 9,408 sq.yd. South Kingshighway, to Tidd & Cole, Hutchinson, Kan., $25,745. Est. $30,000. Noted Sept. 13.

Ark., Brinkley—Grading, concrete paving 80,908 sq.yd. Street Impvt. Dist. 1, to Forcum James Constr. Co., Dyersburg, Tenn., $164,520. Est. $175,000. Noted Sept. 13.

Tex., Barstow — Ward Co., hard surfacing 7½ mi. hy. from Pyote to Winkler Co. line, to W. H. Hudman, Alpine, $110,000.

Tex., Crystal City—Asphalt paving 40,000 sq.yd., to Lone Star Constr. Co., Milam Bldg., San Antonio, $78,000. Noted June 21.

Tex., Lubbock—Mayor and City Comn., c/o W. H. Rogers, secy., asphaltic concrete paving 30,000 yd., to Panhandle Constr. Co., Lubbock, $85,000. Noted Sept. 6.

Tex., Mission — Hidalgo Co. Rd. Impvt. Dist. 5, c/o A. W. Cameron, judge, Edinburg, grading, concrete paving 47 mi. roads, to 18 ft., to W. L. Pearson & Co., 806 Nixon Bldg., Corpus Christi. Est. $1,500,000. Noted Aug. 23.

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Streets and Roads (Continued)

Tex., Paducah—J. W. Carroll, mayor, c/o City Secretary, concrete paving 74,000 yd., to Howard & Farmer, Lubbock, $155,000.

Tex., Raymondville — Willacy Co., grading, concrete paving 20 mi. roads, 16 and 18 ft., to F. P. McElwrath, Harlingen, $388,313—dirt contract, B. Evans, San Benito, $16,570. Est. $350,000.

Okla., Duncan — Grading, concrete paving 7,500 sq.yd. 14th and Cherry Sts., to Frederick Constr. Co., Frederick, $23,296, est. $25,000—7,100 sq.yd. Beech and Chestnut Sts., to Hansen & Pearce, Perrine Bldg., Oklahoma City, $25,918, est. $26,410. Noted Aug. 2.

Okla., Oklahoma City — Oklahoma Co. grading 10 mi. roads, to Green-Boots Constr. Co., 519½ West Main St., $78,456; 8 mi. roads, to M. A. Swatek Co., 519½ West Main St., $106,855. Noted Sept. 27.

Colorado—State Hy. Dpt., Denver, grading, graveling 2.885 mi. Hy. 6, Federal Aid Project 258-G, Montrose Co., and 4.024 mi. Hy. 10, Federal Aid Project 262-1, Costilla Co., to Mountain States Constr. Co., Pueblo, $68,641 and $37,923 respectively.

Colorado—State Hy. Dpt., Denver, gravel surfacing 2.43 mi. Fremont Co., to J. Finger & Son, Denver, $54,843. Noted Aug. 23.

Colo., Colorado Springs — Paving Cache La Poudre Dist., to New Mexico Constr. Co., 4015 Galapago St., Denver, $49,022.

Idaho—State Hy. Comn., Boise, crushed rock surfacing 7.949 mi. Project 40-A, Washington Co., to Joslin & McAllister, Spokane, Wash., $33,149.

Wash., Seattle—Bd. P. Wks., concrete paving 14,650 sq.yd. West 80th St., to Fiorito Bros., 3950 6th St. N.W. $33,446; 2,560 sq.yd. Melrose Pl., to C. L. Creelman, 1079-25th St. N., $27,219.

California — State Hy. Comn., Sacramento, grading, 20 ft. asphaltic concrete paving 7.3 mi. Madera Co., 20 ft., to Hanrahan Co., Standard Oil Bldg., San Francisco, $142,867.

California—State Hy. Comn., Sacramento, grading, asphaltic concrete paving 0.7 mi. Kings Co., to California Constr. Co., Standard Oil Bldg., San Francisco, $25,536. Noted Sept. 13.

Calif., Los Angeles — Los Angeles Co., grading, curbing, walks, guttering, guttering, 4 in. disintegrated rock with oil and rock surfacing 114,549 sq.ft. Impvt. 769-Burlington Ave., to C. A. Ladeveze, 115 East 92nd St., $25,161.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, grading, 195,638 ft. concrete paving and 199,708 sq.ft. 5 in. disintegrated rock paving Santa Monica Blvd., to Griffith Co., Railway Bldg., $89,887.

Calif., San Diego—Common Council, grading, curbing, 6 in. concrete paving 79,303 sq.ft. Union, State and other streets, to Watson & Sutton, 3740 Noell St., $31,939. Noted Sept. 6.

Ont., London—Concrete paving High and Huron Sts., day labor, under supervision W. P. Near, engr., City Hall. $40,000. P. Utilities Com., E. V. Buchanan, genl. mgr., plans electric wires underground, $10,000.

Ont., Toronto—North York Twp., concrete paving ½ mi. Old Yonge St., to Orr & Clark, 111 Alexandra Blvd. Est. $25,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Cedar Rapids, La., Nov. 6, $640,000.
Dam and Reservoir—Brown County, Tex., Water Impvt. Dist. 1, Oct. 18, $2,000,000.
Sewerage System—Weston, Ont., January, $100,000.
Paving—Jacksonville, Tex., Oct. 23, $60,000.
Paving—Reagan County, Tex., $306,000.
High School — Topeka, Kan., Nov. 6, $1,000,000.

Bonds Voted

Waterworks—Denison, Ia., $20,000.
Waterworks—Benjamin, Tex., $40,000.
Waterworks—Hallettsville, Tex., $35,000.
Waterworks and Sewerage Systems—Lubbock, Tex., $125,000.
Paving—Hallettsville, Tex., $50,000.
Paving—Lubbock, Tex., $225,000.
Paving—Odessa, Tex., $55,000.
Roads—Marshall County, Miss., $100,000.
Roads—McNairy County, Tenn., $125,000.
Roads—Caldwell County, Tex., $150,000.

Bonds Defeated

Waterworks, Sewers and Paving — Longview, Tex., $163,000.
High School—Virginia, Minn., $500,000.

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Buildings—Industrial

Proposed Work

Me., South Portland (br. Portland) — SERVICE and REPAIR GARAGE—Hunnewell Estate, c/o Edwards Sales Co., archts., 443 Congress St., Portland, 1 story, 90 x 120 ft., brick, steel, plain found. $45,000.

Conn., Stamford — GARAGE — Southern New England Telephone Co., 157 Church St., revised plans by R. W. Foote, 185 Church St., 1 story, 87 x 162 ft., brick, steel, concrete, Jefferson St. $60,000. Noted Sept. 20.

N. Y., Buffalo — STATION — See "Unclassified."

N. Y., New York — AUTO REPAIR, PAINT SHOP and GARAGE — Interboro News Co., S. P. Booth, pres., 244 West 42nd St., plans by R. G. Cory, 30 Church St., 6 story, auto repair, paint shop, garage, 525 West 52nd St. $200,000.

N. Y., New York—SERVICE GARAGE—Big Four Realty Corp., N. Michel, pres., 311 West 95th St., plans by DeYoung & Moscowitz, 11 East 44th St., altering and constructing 2 story addition to 2 story, 100 x 125 ft., brick, 252 West 87th St. $100,000.

N. J., Newark—FACTORY—Shapario & Sons, 416 Morris Ave., sketches by F. P. Freedman, 395 Springfield Ave., 2 story, basement, 50 x 100 ft., brick, steel addition, plain found. $40,000.

N. J., Piscataway town — METER and COMPRESSOR HOUSE — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, soon lets general contract 1 story, basement, 50 x 100 ft., brick, steel, plain found. $40,000. Private plans.

La., Baton Rouge — CREAMERY — Louisiana State University plans by Wogan & Bernard, Canal Bank Bldg., New Orleans, 2 story, brick, rein.-con. found. $40,000.

Tenn., Elizabethton — YARN MILL — Amer. Bemberg Corp., 180 Madison Ave., New York, A. Mothwurff, pres., (3rd unit) yarn mill at Bemberg, near here. $3,500,000.

O., Cleveland—COLD STORAGE and KITCHEN—State Building Comn., J. E. Harper, dir. P. Welfare, Columbus, plans by H. B. Briggs, state archt., Hartman, Hotel Bldg., 2 story, 95 x 150 ft., rein.-con., brick, Turney Rd. $150,000.

O., Kent—WAREHOUSE—P. H. Davey soon takes bids 2 story, basement, brick, stone, North River St., for Davey Tree Expert Co. $50,000.

O., Salem — FACTORY — C. C. Gibson, pres. Mullins Mfg. Co., soon takes bids factory addition. $50,000-$75,000. Noted Feb. 23.

Mich., Detroit—PUBLISHING PLANT—Times Publishing Co., 313 Bagley Ave., plans by A. Kahn, 1000 Marquette Bldg., 6 story, basement, 100 x 225 ft., rein.-con., brick, plain found., West Park Pl. and Bagley St. $1,000,000.

Ill., Chicago—FACTORY—General Laundry Machine Co., 1223 South Talman St., plans by F. E. Davidson, 53 West Jackson Blvd., factory addition, or new site. $100,000.

Iowa—OIL REFINERY—See "Unclassified" under Oklahoma and Iowa.

Ia., Des Moines—FACTORY—J. I. Case Threshing Machine Co., c/o J. C. Work, 102 8th St., sketches by C. V. Johnson, 502 Commonwelath Bldg., 4 story, basement, 106 x 130 ft. addition, 102 8th St. $80,000.

Mo., Kirksville—POWER PLANT—City plans by Black & Veatch, archts. and engrs., Mutual Bldg., Kansas City, power plant.

Texas — PUMPING STATION — Humble Pipe Line Co., Frost Bldg., San Antonio, and Humble Oil Co. Bldg., Houston, pumping station for 8 in. oil pipe line between Satsuma field and tank storage farm in Austin Co. $75,000. Private plans.

Tex., Beaumont — SHOP IMPROVEMENTS — Kansas City Southern Ry. Co., A. N. Reece, Kansas City, Mo., ch. engr., improving shops, incl. roundhouses, repair shops, office building, some new shop machinery. $700,000. Private plans.

Tex., Goose Creek — BRICK PLANT — Bridgeport Brick Co., Bridgeport, acquired properties Texas Brick & Tile Co., incl. plant site 41 acres and plans improvements to same, incl. expansion kilns. $40,000. Private plans.

Tex., San Antonio—FACTORY—M. A. Childers, et al., City Natl. Bank Bldg., vegetable crate and basket factory. $150,000.

Okla., Enid—SHOP—General Tool Co., 402 South Independence St., sketches 1 story, 75 x 140 ft., brick, steel, plain found., Independence St. $50,000. Private plans.

Okla., Okeene — FLOUR MILL — Oklahoma Mill & Elevator Co. sketches [illegible] addition. $40,000. Private plans.

Okla., Oklahoma City — LAUNDRY and DRY CLEANING PLANT — L. M. [illegible], 1201 West 18th St., sketches laundry and dry cleaning plant, 420 West 4th St., [illegible]-000. Private plans.

Wash., Seattle—ROUNDHOUSE—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., 160 x 450 ft., concrete roundhouse, 3500 20th Ave. W. $200,000.

Calif., Los Angeles — WAREHOUSE — Pipe & Supply Co., 949 Date St., plans by A. A. Weitzman, Hibernian Bldg., 1 story, 53 x 240 ft., brick warehouse, 200 ft. crane runway.

Calif., Oakland — FACTORY — Sunset McKee Sales Book Co., c/o Ellison & Russell, engrs., Pacific Bldg., San Francisco, 1 story, 160 x 200 ft., steel, brick, Livingston St. near Cotton St. $60,000.

Ont., Princeton—MILK CONDENSERY—City Dairy Co., W. J. Northgrave, pres., Spadina Crescent, Toronto, 2 story, 50 x 135 ft., brick, steel. $100,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Bids Desired

Vt., Burlington—BAKERY—Fraser Baking Co., 50 Cherry St., taking bids 1 story, 95 x 145 ft., brick, steel bakery. $40,000. McCormick Co., 41 Park Row, New York, archts. Noted Sept. 13.

Mass., Haverhill — SERVICE and REPAIR — See "Contracts Awarded."

Mass., Hudson—POWER HOUSE—See "Contracts Awarded."

Mass., Roslindale (sta. Boston)—SERVICE, SALES and REPAIR GARAGE—See "Contracts Awarded."

R. I., Providence—REPAIR SHOP and SHOW ROOM—Petterutti's Motor Sales Co., 1051 Chalkstone Ave., taking bids 1 story, 60 x 100 ft., steel, terra cotta, Chalkstone Ave. $40,000. F. Chiaverini, 32 Bway., archt.

N. J., Avenel — FACTORY — See "Contracts Awarded."

N. J., Bloomfield — ELECTRICAL SUBSTATION — See "Contracts Awarded."

N. J., Jersey City—BAKERY—W. Neuman, archt., 40 Journal Sq., taking bids general contract 2 story, basement, brick, steel addition, plain found., Sherman Ave., for Vietmeyer Bros., 175 Sherman Ave. $50,000. Noted Sept. 20.

N. J., Perth Amboy — FACTORY — D. Goldsmith, 128 Kearny Ave., taking new bids altering and constructing 2 story, 60 x 75 ft., brick, steel addition, plain found., East Ave. $40,000. G. M. Ricci, 224 Smith St., archts. Noted Sept. 20.

N. J., Teaneck (br. Hackensack)—LAUNDRY—C. V. Bogert, archt., 210 Main St., taking bids general contract 1 story, basement, brick, steel addition, plain found., Teaneck Rd., for Teaneck Laundry Co., Teaneck Rd. $40,000.

Md., Highlandtown (Ind. sta. Baltimore) —FACTORY—Oct. 12, by L. W. White, archt., Hearst Tower Bldg., 1 and 2 story, 150 x 600 ft., rein.-con., brick, steel, for Crown Cork & Seal Co. Noted Sept. 6.

Mich., Detroit—WAREHOUSE—Weston & Ellington, engrs. and archts., 1507 Stroh Bldg., taking bids and open same about Oct. 15, 1 story, brick, steel, plain found., St. Jean Ave., for Crane Co., 836 Michigan Ave., Chicago, Ill. $150,000. Noted Sept. 6.

Wis., Milwaukee — DISTRIBUTING PLANT—M. Tullgren & Sons Co., archts., 9 Waverly Pl., taking bids 3 story, basement, 105 x 152 ft., rein.-con., brick, steel, plain found., 8th Ave., for Wisconsin Creameries, Milwaukee. $100,000.

Tex., Waco—CONCRETE and CEMENT PLANTS—See "Contracts Awarded."

Contracts Awarded

Mass., Braintree (Ind. br. Boston)—FACTORY—Braintree Shoe Co., 183 Essex St., Boston, 4 story addition, plain found., Union St., to G. Howard & Sons Co., 142 Main St., Brockton, Est. $40,000.

Mass., Chelsea (br. Boston)—FACTORY —W. J. Murdock, 24 Franklin St., 2 story, 50 x 100 ft., brick, 227-243 Carter St., to A. L. Ruggles, 153 Garland St., Everett.

Mass., Haverhill — SERVICE and REPAIR GARAGE, SALES — Smith Motor Car Co., A. J. Smith, 88 South Main St., 1 story 100 x 135 ft., rein.-con., brick, plain found., 74-84 South Main St., separate contracts. $45,000. J. E. Allen, 283 Essex St., Lawrence, archt.

Mass., Hudson—POWER HOUSE—Town Dpt. Light & Power, L. D. Wood, mgr. altering and constructing 1 story addition Cherry St., incl. pumps, Diesel machines etc., separate contracts. Private plans.

Mass., Newton (Ind. br. Boston)—FACTORY—Davidson Fan Co., 15 Brook St., 2 story, 50 x 100 ft., rein.-con., brick, plain found., California St., to John MacDonald Constr. Co., 250 Stuart St., Boston. Est. $40,000 or more.

Buildings—Industrial (Continued)

Mass., Quincy Point (mail Boston) — SERVICE and REPAIR GARAGE — J. Agnes, 83 Stewart St., Quincy, 1 story, irregular sized steel, brick, plain found., to J. Bucci, 15 Greenwood St., Wollaston. Est. $40,000. Noted Oct. 4.

Mass., Roslindale (sta. Boston)—SERVICE, SALES and REPAIR GARAGE—M. Mogavere, 20 Belgrade Ave., 1 story, basement, 50 x 100 ft., rein.-con., brick, steel, plain found., separate contracts. $40,000. Krokyn & Browne, 220 Devonshire St., Boston, archts.

Mass., Roxbury (sta. Boston)—CLEANSING PLANT—House of Liederman, Inc., 159 Norfolk Ave., 2 story, rein.-con., brick addition, plain found., to N. Hurwitz, 294 Washington St., Boston. Est. $50,000. Noted Sept. 20.

Mass., Watertown (Ind. br. Boston)—SUB-STATION—Edison Electric Illuminating Co., 39 Boylston St., Boston, 1 story, rein.-con. electric sub-station, plain found., Spring St., to Eng. Constr. Co., 6 Beacon St., Boston.

R. I., Slatersville—PLANT—Slatersville Finishing Co., 1 story filter plant, to H. Wales-Lines Co., 134 State St., Meriden, Conn. Noted Oct. 4.

Conn., Bristol—SHOP—New Departure Mfg. Co., N. J. Voorhees, 1 story, 125 x 200 ft., brick, steel, plain found., North Main St., to Aberthaw Co., 80 Federal St., Boston, Mass. Est. exceeds $40,000. Noted Sept. 20.

Conn., New Haven—PRINTING PLANT—Walker-Radcliffe Co., 19-21 Dickerman St., 1 story, 85 x 95 ft., brick addition, plain found., to W. H. Crute, 91 Howe St. Est. $40,000. Noted July 19.

Conn., Shelton—SILK VELVET MILL—Sidney Blumenthal & Co., 37 Canal St., 2 story, 63 x 156 ft., rein.-con., to Turner Constr. Co., 178 Tremont St., Boston, Mass. Est. $75,000.

Conn., Waterbury—PLANT—French Mfg. Co., 128 Robbins St., 1 story, 60 x 200 ft., brick, Robbins St., to Torrington Building Co., 182 Church St., Torrington. Est. $50,000.

N. Y., Brooklyn—FACTORY—American Can Co., 120 Bway., New York, 4 story, 90 x 200 ft., brick, rein.-con., Wythe Ave. and North 3rd St., to Turner Constr. Co., 420 Lexington Ave., New York. Est. $227,000.

N. Y., Brooklyn—SERVICE GARAGE—Gillen Bros., 19 Clinton Ave., 1 story, service garage, Clinton and Flushing Aves., to Roth, Bard & Levine, Inc., 2 Lafayette St., New York. Est. $45,000.

N. Y., New York — SERVICE — S. W. Wynne, pres. Bd. Health, Dpt. Health, 505 Pearl St., general contract altering service building Willard Parker Hospital, to Lustig & Weil, 145 East 32nd St., $237,400; plumbing, to Nally Plumbing Contg. Co., 177 West 97th St., $24,083. Noted Sept. 13.

N. J., Avenel — FACTORY — T. Lanza, Chestnut St., Cranford, 1 story, 75 x 140 ft., brick, concrete, plain found., separate contracts. $40,000. C. C. Bell, 17 Union Ave. N., Cranford, archt.

N. J., Bloomfield — ELECTRICAL SUB-STATION — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, brick, steel addition, plain found., Bloomfield Ave. and Erie R.R., separate contracts. $40,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archt.

N. J., Orange—FACTORY—Mead Suydam Co., 400 Sheridan St., general contract 1 story, basement, brick, steel, plain found., Sheridan St. to P. Parkinson, 306 Montclair Ave. Newark. Est. $40,000. Noted Sept. 13.

N. J., Plainfield — FACTORY — A. M. Korff, archt., 203 Park Ave., general contract 1 story, 53 x 100 ft., brick, steel, rein.-con. plain found., to A. Valentine, 201 East 5th St., for Rivoli Silk Hosiery Co., 768 North Ave. Est. $40,000. Noted Aug. 2. Plumbing and heating, to Van Zandt & Doeringer, North Plainfield.

Pa., Weissport—HOSIERY MILL—Lockwood Greene Engineers, Inc., engrs., 1 Pershing Sq., New York, general contract hosiery mill, to Hughes-Foulkrod Co., Commonwealth Bldg., Phila., for W. F. Hofford, Inc. $75,000.

Md., Baltimore—LABORATORY—Locke Insulator Corp., Charles and Cromwell Sts., 2 story, 73 x 115 ft., brick, steel. Owner builds. $40,000.

O., Cleveland—MACHINE SHOP—Lyons Machine Co., J. H. Lyons, pres., 5601 Tillman Ave., 1 story, basement, 50 x 50 ft., brick, steel addition, 5601 Tillman Ave., to D. Gilchrist, Berea. Est. $40,000.

O., Youngstown—GARAGE—Pfau Motors, Inc., 1 story, part basement, 60 x 180 ft., concrete, brick, Wick Ave., to Heller Bros. Co., Thurman and Furnace Sts. $40,000.

Ind., Indianapolis — FACTORY — Link-Belt Co., Holmes and West Michigan Sts., general contract 3 story, rein.-con., brick, to Latham & Walters, 204 Empire Life Bldg. Est. $150,000.

Ind., Indianapolis—FACTORY—Wheeler-Schebler Co., 1302 Barth Ave., general contract brick, steel, to Schlegel & Roehm, 602 Lexington Ave.; plumbing and heating, to Hayes Bros., 236 West Vermont St. Est. $50,000. Noted Sept. 27.

Mich., Detroit—FACTORY—Briggs Mfg. Co., 11631 Mack Ave., 1 story, 140 x 370 ft. rein.-con., brick top addition, Warren Ave., to Otto Misch Co., 159 East Columbus St. Est. $80,000.

Mich., Detroit — FACTORY — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 2 story, basement, 80 x 150 ft., rein.-con., brick, to W. E. Wood Co., 1805 Ford Bldg., for J. M. Smith Co., 5914 Federal Ave. Noted Sept. 27.

Mich., Grand Rapids — FACTORY and WAREHOUSE — Firestone Tire & Rubber Co., South Main St., Akron, O., 4 story factory branch and warehouse, to Owen Ames-Kimball, Pearl St. Est. $100,000. Noted June 21.

Mich., Kalamazoo—FACTORY—Kalamazoo Loose Leaf Binder & Equipment Co., West Kalamazoo Ave., 1 story, 100 x 300 ft., brick, steel, plain found., Cobb Ave., to O. F. Miller Constr. Co., 224 Pratt Bldg. Est. $75,000.

Mo., St. Louis—LIGHT MANUFACTURING—Den Char Realty Co., 214 Chestnut St., 1 story, basement, 127 x 151 ft., brick, concrete, 121 Clark St., to J. W. Morrison, 722 Chestnut St. Est. $50,000.

Tex., Dilley — PIPE PLANT — Tellyer Concrete Pipe Co., plant to manufacture bithulined concrete pipe, materials, irrigation ditch lining pipe. $40,000 incl. equipment and machinery. Owner builds. Private plans.

Tex., Houston—SERVICE and SHOP—Houston Lighting & Power Co., Electric Bldg., general contract 1 and 3 story, basement, 108 x 300 ft., brick, rein.-con., steel, Canal St., to D. Hall, 520 Cotton Exch. Bldg., $261,000.

Tex., San Antonio—CEMENT PLANT—Republic Portland Cement Co., c/o W. M. Thornton, mgr., c/o Smith Bros. Properties, Inc., 121 Villita St., cement plant, incl. factory building, machine buildings, sanitary sewerage system, tenant houses, disposal plant, at Longhorn, 10 mi. north of here. $200,000. Owner builds. F. E. Sayers in charge. Terrell Bartlett Engineer, Calcasieu Bldg., engrs. Noted Aug. 30.

Tex., Waco—CONCRETE and CEMENT PLANTS—Atlas Portland Cement Co., 25 Bway., New York, 1,000,000 bbl. annual capacity plant on 500 acre site, separate contracts and day labor under supervision of Company's Engineers.

Ont., Galt—FACTORY—Dominion Tack & Nail Co., general contract 1 story, concrete, brick addition, plain found., Dundas St., to G. H. Thomas & Sons Ltd., Dickson St. Est. $40,000.

Buildings—Commercial

Proposed Work

Me., Lewiston—THEATRE—R. Wiseman, 23 Chestnut St., sketches by E. P. Desjardines, 139 Park St., 1 and 2 story, basement, brick, steel, plain found. $150,000.

N. H., Wilton — BANK — Wilton Natl. Bank, c/o T. M. James Co., archts., 3 Park St., Boston, Mass., 1 and 2 story, basement, brick, rein.-con., steel, stone, plain found. $150,000.

Mass., Boston — CLUBHOUSE and HOTEL — Durant, Inc., 336 Huntington Ave., soon takes bids 14 story, basement, rein.-con., brick, steel, plain found., Huntington Ave. To exceed $150,000. Coolidge & Carlson, 89 State St., archts. Noted Nov. 17.

Mass., Boston — FIRE STATION — City, E. C. Hultman, fire comr., 60 Bristol St., brick, plain found., Bowdoin Sq. $350,000. Engineer and architect not selected.

Mass., Cambridge (br. Boston)—APARTMENT—Allen & Shapiro, c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, 4 story, basement, brick, stone, plain found., Linnaean St. and Washington Ave. To exceed $150,000.

Mass., Lynn—APARTMENT—H. J. Kennerson, 42 West Baltimore St., 3 story, basement, irregular sized, brick, plain found., Park and Boston Sts. $150,000. Private plans.

Mass., New Bedford — STORE and OFFICE—E. A. and M. C. Bardol, 191 Tappan St., Brookline, 3 story, basement, 75 x 100 ft., brick, steel, plain found., Purchase St. $150,000. Private plans.

Mass., Norfolk — PRISON COLONY — Commonwealth of Massachusetts, Dpt. Correction, State House, Boston, plans by McLaughlin & Burr, 88 Tremont St., Boston, prison colony and wall. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted Aug. 2.

Mass., Pittsfield — HOTEL — Wendell Hotel Co., South St., plans by A. H. Lavalle, 496 Bridge St., Springfield, and takes bids in December, 7 story, 44 x 153 ft., brick, steel addition. $200,000. Noted July 26.

Mass., Worcester — CLUB — Worcester Boys Club, D. W. Armstrong, dir., plans by Frost, Chamberlain & Edwards, 390 Main St., brick, steel, Lincoln Sq. $300,000. Noted Apr. 12.

R. I., Providence — HOSPITAL — City, D. L. Richardson, supt., plans by T. J. H. Pierce, City Hall, 3 story, basement, brick, plain found., Easton St. $200,000. Noted Dec. 15.

Conn., Waterbury—STORE and OFFICE—G. L. D Realty Co., c/o W. E. Hunt, archt., 182 Church St., Torrington, sketches 3 story, basement, brick, steel, plain found., North Main St. To exceed $150,000.

N. Y., Flushing — APARTMENT — A. Nicoletti, 26 Court St., Brooklyn, plans by B. Braunstein, 163-18 Jamaica Ave., Jamaica Ave., Jamaica, 6 story, 103 x 190 ft., brick, timber, Kissena Blvd. and Ash Ave. $350,000.

N. Y., Long Island City—APARTMENT—Two Hundred Twenty-Five Adelphi Street Corp., 27 Cleveland Court, 6 story, 87 x 100 ft., brick, timber, 93rd St. and Northern Blvd. $175,000. Private plans.

N. Y., Mount Vernon—APARTMENTS—Bailey Estate (K. P. Corp.), c/o McKim, Mead & White, archts., 101 Park Ave., New York, 2 apartments, Lincoln Ave. $600,000.

N. Y., Mount Vernon—APARTMENT—J. T. Brook, Brook Bldg., Pelham, plans by L. Levine, 11 West Prospect St., brick, timber, 3rd St. $450,000.

N. Y., New York — APARTMENT — Ade Building Corp., J. Elaner, pres., 386 Bway., plans by J. E. R. Carpenter, 598 Madison Ave., 13 story, 25 x 92 ft., brick, steel, 1 East 88th St. $300,000

N. Y., New York — APARTMENT — Avenn Realty Corp., A. S. Bing, pres., 18 East 48th St., plans by E. Roth, 1440 Bway., 15 story, 76 x 88 ft., brick, steel, 130 East End Ave. $450,000.

N. Y., New York—APARTMENT—New York Town House, J. D. Lee, 19 West 44th St., plans by Turner & Bowden, 19 West 44th St., 31 story, brick, steel, 106 East 38th St. $1,000,000.

N. Y., New York—APARTMENT—Two Hundred Thirty-Seven East 20th Street Corp., J. L. B. Mayer, pres., 175 Lexington Ave., plans by C. B. Meyers, 31 Union Sq., 9 story, 77 x 121 ft., brick, steel, 237 East 20th St. $450,000.

N. Y., New York—BANK and OFFICE—Amia Realty Corp., A. E. Lefcourt, pres., plans by Bark & Djorup, 1351 Bway., 40 story, 40 x 185 ft., brick, steel, Madison Ave. and 41st St. $5,000,000.

N. Y., New York — HOSPITAL — New York Ophthalmic Hospital, 23rd St. and 3rd Ave., plans by C. H. Lench, 101 Park Ave., 14 story, 53 x 98 ft., brick, steel, 36th St. between 1st and 2nd Aves. $6,000,000

N. Y., New Rochelle—APARTMENT—H. Schiff & Sons, 2520 Bway., New York, plans by H. Tanabaum, c/o owner, apartment, Union and Division Sts. $350,000.

N. Y., Yonkers—APARTMENTS—Graystone Plaza Corp., 1080 Warburton Ave., plans by Snyder & Snyder, 2 Palisades Ave., two brick, timber, 1080 Warburton Ave. $700,000.

N. J., Bradley Beach—APARTMENT—Wolfson Constr. Co., 85 2nd St., Long Branch, plans by S. Cohen, 134 Branford Pl., Newark, 3 story, basement, 86 x 150 ft., brick, steel, plain found., 2nd Ave. $150,000. Noted Oct. 4.

N. J., Fort Lee—APARTMENT—Owner, c/o Lucht & Anderson, archts., 432 Palisade Ave., Cliffside, sketches 5 story, basement, 55 x 110 ft., brick, plain found. $150,000.

N. J., Jersey City—APARTMENT—J. A. Cancro, 15 Terrace Ave., plans 5 story, basement, brick, steel, plain found., Hudson Blvd. and Leonard St. $250,000. Private plans.

N. J., Jersey City — LABORATORY — Port of New York Authority, 75 West St., New York, sketches 4 story, basement, 50 x 100 ft., rein.-con., plain found., Fox Pl. and West Side Ave. $250,000. Private plans.

N. J., Lake Hopatcong—SANITARIUM—Deborah Sanitarium (Browns Mills Tuberculosis Sanitarium), 24 Branford Pl., Newark, plans by F. Grad, 1023 Broad St., Newark, 4 story, basement, brick, steel, incl. Xray and heliotherapy departments, infirmary, nurses home, children's building and main hospital, plain found. $1,000,000.

N. J., Newark—ARMORY—Com. Institutions & Agencies, State Office Bldg., Trenton, revised plans by M. N. Shoemaker, 15 Central Ave., altering and constructing 4

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Buildings—Commercial (Continued)

story, basement, 100 x 232 ft., brick, steel addition to 102nd Cavalry Armory, plain found., Roselle Ave. $150,000. Former bids rejected. Noted Sept. 20.

N. J., Newark — HOME and HOTEL — Three Link Temples, Inc., c/o M. N. Shoemaker, archt., 15 Central Ave., 10 story, basement, brick, steel, plain found., Hill and Court Sts. $350,000.

N. J., New Brunswick — OFFICE and STORE ROOMS—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, plans by Pub. Serv. Production Co., 80 Park Pl., Newark, 2 story, basement, 90 x 158 ft., brick, steel, plain found., Railroad Ave. and Baldwin St. $150,000. Noted Oct. 4.

N. J., Orange — BUSINESS — Ramona Realty Co., c/o H. Baechlin, archt., 665 Broad St., Newark, rejected bids general contract 2 story, basement, 100 x 150 ft., brick, steel, plain found., 273-7 Main St. $150,000. Plans will probably be revised. Noted Aug. 30.

N. J., Passaic — APARTMENT — Penn Prospect Arms, Inc., c/o Preiskel & Skvarla, archts., 2 Lexington Ave., sketches 4 story, basement, brick, plain found., 32-4 Pennington Ave. $150,000.

N. J., Paterson—OFFICE—G. E. Tuers, 18 Church St., sketches by H. Hwuirt, 41 West 33rd St., New York, general contract 12 story, basement, brick, steel, plain found., Church and Huguenot Sts. $150,000. Loventhal Bros., 153 West 72nd St., New York, lessee.

N. J., Perth Amboy — ARMORY — State Armory Bd., D. Hill, Trenton, plans by Dpt. Institutions & Agencies, State Office Bldg., Trenton, 2 story, basement, brick, steel, plain found., Lewis Ave. $150,000. Noted Aug. 16.

N. J., West New York—APARTMENT—N. Speranza & G. Betti, 147 Summit Ave., Cliffside, revised sketches by A. DePaola, 106 18th St., 4 story, basement, 84 x 125 ft., brick, steel, plain found., 152-60 16th St. $150,000. Noted Oct. 4.

N. J., West New York — APARTMENT and STORE — Eagle Development Co., 8 West 40th St., New York, plans by E. V. Warren, 31 Clinton St., Newark, 2 story, basement, 117 x 118 ft., brick, steel, plain found., Bergenline Ave. and 6th St. $150,000.

Pa., Phila.—CLUB HOUSE and OFFICE —Owner, c/o Simon & Simon, archts., Philadelphia Fidelity Bldg., 22 story, rein.-con., brick, steel, plain found., Broad and Walnut Sts. $5,000,000.

Fla., Stuart—COURT HOUSE—Comrs. Martin Co., J. R. Pomeroy, clk., court house. $150,000.

Tenn., Knoxville — Natl. Council Y. M. C. A., Architectural Bureau, 420 Lexington Ave., New York, plans by Barber & McMurray, Tennessee General Bldg., Y. M. C. A. building. $500,000.

O., Cincinnati — APARTMENT — P. Nathan & Son, 839 Enquirer Bldg., plans by J. J. Wilkens, 1107 Bates St., 3 story, basement, rein.-con., brick, plain found., Reading Rd. $200,000.

O., Mansfield—Y. M. C. A., W. C. Mansfield, genl. secy., sketches building. $350,000. Architectural Bureau, National Council Y. M. C. A., 420 Lexington Ave., New York, consult. archts.

O., Youngstown—BANK and OFFICE—Central Savings & Loan Co., T. B. Van Alstine, pres., West Federal St., plans by M. W. Scheibel, Realty Bldg., 6 or 8 story, 50 x 100 ft., concrete, brick, steel. $400,000. R. M. Johnson, 5716 Euclid Ave., Cleveland, consult. archt. Noted Feb. 16.

Mich., Detroit — HOSPITAL — Pingree General Hospital, c/o J. G. Kastler Co., archts., 523 Detroit Savings Bank Bldg., 4 story, basement, 60 x 148 ft., rein.-con., brick, steel, stone, plain found., West Chicago Blvd. $175,000.

Ill., Chicago—APARTMENT—Klaber & Grunsfeld, archts., 431 North Michigan Ave., soon lets contract 4 and 5 story apartment, Michigan Ave., Wabash, 46th and 47th Sts., for Michigan Boulevard Gardens, 333 North Michigan Ave. $2,500,000. H. Wright, 56 West 45th St., New York, assoc. archt.

Ill., Chicago—APARTMENT—P. F. Olsen, archt, 720 Cass St., soon lets contract 5 story, basement, rein.-con., brick, stone, on 120 x 125 ft. site, 69th St. and Clyde Ave., for C. Anderson, c/o architect. $400,000.

Ill., Chicago—APARTMENT and STORE —P. F. Reynolds, 38 South Dearborn St., plans by McNally & Quinn, 10 South La Salle St., 25 story, basement, 129 x 302 x 328 ft., rein.-con., brick, steel, stone, Clark St. and Lincoln Park West. $3,000,000.

Ill., Chicago—APARTMENT and STORE —A. Smith & Co., (general contractor), 134 North La Salle St., taking sub-bids 9 story, basement, 50 x 112 ft., rein.-con., brick, terra cotta, 4856 Sheridan Rd., for Modern Apartment Corp.

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Ill., Chicago—ARMORY—Perkins, Chatten & Hammond, archts., 160 North La Salle St., soon take bids on revised plans armory, incl. athletic hall, 10,000 seating capacity 225 x 350 ft. drill hall, 1 acre riding arena 6,500 seating capacity ¼ mi. track, entrance towers, on total area 4 1/3 acre site, Washington Park, 52nd St. and Cottage Grove Ave., for One Hundred Twenty-Fourth Field Artillery, 34th St. and Westworth Ave. $1,500,000. Former bids rejected. Noted July 19.

Wis., Kenosha—Y.M.C.A., R. V. Sowers, secy., sketches by C. H. Walcott, 431 North Michigan Ave., Chicago, Ill., Y.M.C.A., 59th Pl. and 8th Ave. $500,000. Noted June 14.

Ia., Dubuque—TEMPLE—A. F. and A. M. Lodge plans by R. T. Moore, 1111 Merchants Natl. Bank Bldg., Cedar Rapids, 2 story, basement, 114 x 128 ft., rein.-con., brick, steel, stone, plain found. $250,000.

Minn., Rochester — OFFICE and LIBRARY — H. B. Forsyth, 905 Franklin Ave. W, and F. S. Haines, 2533 Emerson Ave. S, Minneapolis, 5 story, basement, rein.-con., brick office and library. $500,000.

Kan., Emporia — THEATRE — Strand Theatre Corp., H. McClure, mgr., plans by Boller Bros., 114 West 10th St., Kansas City, Mo., 2 story, basement, rein.-con., brick, stone, terra cotta, Commercial St. near 8th St. $225,000.

Kan., Topeka — HOSPITAL — Security Benefit Home & Hospital, c/o J. M. Kirkpatrick, pres., bids after Nov. 1, two 3 story, attic, 40 x 110 ft. wings, also 30 x 30 ft., with 153 ft. tower and 3 story, 30 x 40 ft .additions, rein.-con., brick. $350,000. W. E. Glover, 514 Mulvane Bldg., archt. Noted Oct. 4.

Mo., St. Louis—APARTMENT—Koplar Co., c/o S. Koplar, 265 Union Blvd., sketches by L. O. Schopp, 114 North 7th St., 30 story, basement, rein.-con., brick, stone, terra cotta, on 200 x 216 ft. site, Kingshighway and Maryland St.

Mo., St. Louis — APARTMENT — Local Syndicate, c/o W. J. Abbott, 806 Chestnut St., soon takes bids 25 story, basement, 140 x 200 ft., rein.-con., brick, stone, steel, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000. J. L. Bowling & L. Shank, Arcade Bldg., archts. This corrects report in Sept. 27 issue.

Tex., Dallas—SALES and DISPLAY—Worsham Buick Co., Pacific Ave. and Olive St., plans by C. H. Griensbeck, Const. Indus. Bldg., 2 story, 140 x 200 ft., North Pearl St. between Bryan and San Jacinto Sts. $200,000.

Okla., Oklahoma City — HOTEL — J. E. Moore, c/o Capitol State Bank, sketches 4 story, basement, brick, plain found., B St. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—STORE—Haggard Furniture Co., 322 West California Ave., sketches 8 story, basement, 50 x 140 ft., rein.-con., brick, plain found., California Ave. $175,000.

Okla., Pawhuska — COURT HOUSE — Osage Co., plans by L. I. Shumway, Alexander Bldg., Tulsa, 3 story, basement, rein.-con., brick addition, plain found. $165,000. Noted Dec. 1.

Okla., Tulsa — APARTMENT — Hurley Park Investment Co., Tuloma Bldg., 11 story, basement, 140 x 140 ft. apartment, 7th and Boston Sts. $750,000. Engineer and architect not selected.

Okla., Tulsa—ATHLETIC CLUB—Tulsa Athletic Club, c/o J. A. Reynolds, 221 East 16th St., plans by Rush, Endicott & Rush, 404 Wright Bldg., 12 story, basement, roof garden, 75 x 140 ft., rein.-con., brick, incl. gymnasium, beauty parlor, billiard room, dining room, plain found. $1,000,000.

Wash., Seattle—DEPARTMENT STORE —United Pacific Corp., c/o Drumheller, Ehrlichman & White, 2nd and Cherry Sts., 10 story, 2 basement, fireproof department store known as Shopping Tower, Inc., 3rd and Cherry Sts. $600,000.

Ont., Brantford — HOSPITAL — General Hospital Bd., Terrace Hill, plans by Stevens & Lee, 62 Charles St. E., Toronto, 2 and 3 story, rein.-con., brick, steel hospital, incl. isolation and nurses' buildings, plain founds. $780,000.

Ont., Oshawa—CITY HALL, FIRE and POLICE BUILDING — City plans by Thompson & Johnson, 12½ Simcoe St. S., 2 and 3 story, basement, rein.-con., brick, steel, stone, plain found., Metcalfe and Bagot Sts. $375,000. Noted Aug. 23.

Ont., Toronto—APARTMENT—W. Pidgeon & Sons, Ltd., 8 Bway. Ave., 3 story, basement, rein.-con., brick, steel, stone, plain found., Sherwood Ave. $160,000. Private plans.

Ont., Windsor — CLUB HOUSE — Essex Golf & Country Club plans by Nichols, Sheppard & Masson, Equity Bldg., 2 story, basement, rein.-con., brick, plain found. $150,000.

Bids Desired

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (sta. Boston) — APARTMENT—See "Contracts Awarded."

Mass., Salem — POST OFFICE, STORE and OFFICE — O. W. Farley, 214 Beverway, Boston, taking bids 2 story, basement, 90 x 105 ft., brick, stone, plain found., 24-26 New Derby St. $150,000. Eisenberg & Feer, 46 Cornhill, Boston, archts. Noted Sept. 6.

Conn., New Haven—WARD—New Haven Hospital, 330 Cedar St., bids about Nov. 1, ward building. Long & Noska, 420 Lexington Ave., New York, engrs. H. C. Pelton, 415 Lexington Ave., New York, archt. Noted Aug. 9.

N. Y., Buffalo—RECEPTION—Oct. 31 (extended date), by Commissioner Mental Hygiene, Capitol, Albany, reception building at Buffalo State Hospital; adv. E. N.-R. Oct. 11. Noted Aug. 30.

N. Y., Stapleton—COURT—Oct. 17, by J. A. Lynch, pres. Boro Richmond, Boro Hall, Staten Island, courts building.

N. Y., Syracuse — HOSPITAL — Oct. 31, Commissioner Dpt. Mental Hygiene, Capitol, Albany, psychiatric Hospital, at Syracuse Psychiatric Institute and Hospital; adv. E. N.-R. Oct. 11. Noted Aug. 30.

N. Y., Yonkers — APARTMENT — See "Contracts Awarded."

N. J., Elizabeth — WAREHOUSE and STORAGE—G. F. Ball, archt., 145 Summitt Ave., Union City, bids about Nov. 15, general contract 5 story, basement, 240 x 260 ft., brick rein.-con., plain found., 651-71 South Front St. for Bayway Terminal Co., South Front St. $200,000.

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—CLUB HOUSE—P. O. Simone & Co., Inc., archts., 22 Journal Sq., bids about Oct. 15, general contract 3 story, basement, brick, steel, plain found., 24 Liberty Ave., for Polish Amer. Democratic Club, 22 Liberty Ave. $150,000. Noted July 26.

N. J., Paterson—F. W. Wentworth, archt., 140 Market St., bids about Oct. 15, general contract 3 story, basement, 112 x 140 ft., brick, steel, plain found., Ward and Prince Sts., for Y.M.C.A., 141 Ellison St. $750,000. Noted Feb. 16.

Pa., Phila. — SALES and SERVICE — Oct. 13, by R. Greenberg, Morris Bldg., sub-bids 2 story, basement, irregular shaped, rein.-con., brick, plain found., 22nd and Sedgley Sts. $200,000. P. S. Tyre, 114 South 15th St., archt.

Md., Baltimore — Oct. 18, by Palmer & Lamdin, archts., 613 North Charles St., 2 story, basement, 103 x 144 ft., brick Y. M. C. A. building, concrete found., Charles St., for Johns Hopkins University. $150,000.

Ala., Gadsden—HOTEL—D. O. Whildin, archt., 515 North Redmont Rd., Birmingham, bids about Oct. 17, 10 story, basement, 50 x 100 ft., rein.-con., brick, stone, 7th St., for A. P. Reich Hotel Co., Inc.

Mich., Detroit—MATERNITY HOME—Smith, Hinchman, & Grylls, archts., 800 Marquette Bldg., taking bids and open same about Oct. 12, 3 story, basement, 140 x 160 ft., concrete, brick, steel, plain found., Woodrow Wilson Ave., for Florence Crittenden Home, 583 Elizabeth St. $700,000. Noted July 19.

Mich., Pontiac — DETENTION HOME — Oakland Co., B. D. Daugherty, clk., Court House, taking bids and opens same about Oct. 15, 2 story, basement, rein.-con., brick, steel, plain found. $150,000. L. J. Heenan, 43½ Pike St., archt. Noted Sept. 20.

Ill., Chicago — APARTMENT—Friedman Constr. Co. (owner and contractor), 105 North Clark St., taking sub-bids 3 story, basement, 99 x 131 ft., Springfield Ave. and 16th St. $300,000. T. R. Bishop & Son, 35 South Dearborn St., archts. Noted Aug. 9.

Ill., Chicago—APARTMENT—Leichenko & Esser, archts., 38 South Dearborn St., bids about Oct. 25, 21 story, basement, 76 x 125 ft., brick, 1640 East 50th St., for W. J. Friedman, pres. Sixteen-Forty East Fiftieth Street Building Corp., c/o architects. $1,500,000. Noted Aug. 2.

Ill., Chicago—APARTMENT—Lowenberg & Lowenberg, archts., 111 West Monroe St., taking bids 13 story, basement, 70 x 150 ft., rein.-con., brick, Dearborn and Goethe Sts., for H. L. Solomon, 134 North La Salle St. $500,000.

Ill., Chicago — APARTMENT — H. L. Marse, archt., 155 North Clark St., bids about Oct. 15, 3 story, English basement, 61 x 165 ft., brick, stone, 5806-08 West Lake St. $225,000.

Ill., Chicago—CLUB—Shattuck & Layer, archts., 134 North La Salle St., bids about Oct. 15, 4 story, basement, 125 x 133 ft., rein.-con., brick, incl. billiard rooms, swimming pool and lockers, North and Kildare Aves., for Northwest Lions Club Building Corp., 3850 West North Ave. $500,000. Noted May 3.

Ill., Chicago—THEATRE, STORE and APARTMENT—E. Steinborn, archt., 179

Buildings—Commercial (Continued)

West Washington St., bids about Oct. 12, 3 story, 125 x 200 ft., brick, plain found., 4713-31 Southport Ave., for M. J. Schmidt, 3722 Southport Ave. $300,000. Noted Sept. 20.

Wis., Milwaukee—HOSPITAL—Oct. 15, by E. Brielmaier & Sons Co., archts., 425 East Water St., hospital, nurses home, service building, chapel and convent building, Chambers and Burleigh St., for St. Joseph Hospital of Franciscan Sisters, 639 4th St. $2,000,000. Noted Jan. 26.

Wis., Milwaukee — STORE and APARTMENT HOTEL—Hercules Constr. Co. (general contractor), 208 3rd St., taking sub-bids 8 story, basement, 60 x 93 x 127 ft. store and apartment hotel, Jackson Ave. and East State St., for A. F. John, 120 East Wisconsin St. $300,000.

Wis., Rhinelander — HOTEL — R. W. Ermeling, archt., 58 East Washington St., Chicago, Ill., bids about Nov. 2, 3 story, 135 x 135 ft., concrete, for L. B. Broadbridge, 1001 East Jefferson St., Detroit, Mich. $200,000.

Ia., Dubuque — TEMPLE — A. F. and A. M. Lodge, c/o E. R. Young, chn., bids about Jan. 1, 2 story, rein.-con., brick, stone temple. $250,000. R. F. Moore, 1111 Merchants Natl. Bank Bldg., Cedar Rapids, archt. Noted Oct. 4.

Neb., Lincoln—STORE and OFFICE—Gold & Co., W. Gold, pres., 11th and O Sts., bids about Jan. 1, 5 story, basement, 50 x 142 ft., rein.-con., brick, 11th and O Sts. $250,000. Davis & Wilson, 525 South 13th St., archts. Noted May 3.

Neb., Omaha — BUS TERMINAL — Union Bus Depot, c/o D. A. Baum, 231 City Natl. Bank Bldg., taking bids on revised plans 2 story, basement, 100 x 180 ft., rein.-con., brick, steel, 16th and Jackson Sts. $150,000. G. Fisher, 1437 City Natl. Bank Bldg., archt. Noted Sept. 13.

Contracts Awarded

N. H., East Jaffrey — STORE, OFFICE, EXCHANGE and POST OFFICE—Owner, c/o A. E. Rosenstein, archt., 220 Devonshire St., Boston, Mass., 2 story, basement, 85 x 150 ft., brick, stone, plain found., to Ludwig-Jandris Constr. Co., 52 Blanchard Pl., Gardner, Mass. Est. $150,000. Noted Sept. 27.

Mass., Boston — APARTMENT — L. Becker, 78 Moreland St., Roxbury, 3 story, basement, 100 x 150 ft., brick, stone, plain found., Maple and Cheney Sts., day labor. $160,000. S. E. Moffie, 51 Cornhill, archt.

Mass., Boston — BANK — New England Trust Co., J. R. Hooper, pres., 3 story, basement, 50 x 90 ft., brick, steel, granite, plain found., 99-101 Newbury St., to G. B. H. Macomber, 38 Chauncy St. Est. $150,000.

Mass., Brighton (sta. Boston)—APARTMENT—H. London, 294 Washington St., Boston, 6 story, basement, 115 x 125 ft., brick, stone, plain found., Commonwealth Ave. and Cummings Rd., separate contracts. $300,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Dorchester (sta. Boston)| — APARTMENT—J. Silevsky, c/o M. Louis, archt., 39 Court St., Boston, 3 story, basement, 75 x 110 ft., brick, 26-30 Bellevue St., separate contracts. $175,000.

Mass., Fall River — STORE, RESTAURANT and OFFICE — J. M. Darling, archt., North Main St., 3 story, basement, brick, plain found., to Greeny & Sherry, Davol St., for M. Thong. Est. $150,000. Noted Sept. 6.

Mass., Great Barrington—HOTEL—O. F. Hall, altering and reconstructing 4 story, basement, 50 x 125 ft. brick, rein.-con. hotel and wing, Main St., to D. J. Hickey, 21 Humphrey St. Est. $150,000.

Mass., Quincy (Ind. br. Boston)—STORE and OFFICE—M. Winer, 65 Monroe Rd., 2 story, basement, 50 x 160 ft., brick, stone, plain found., to Clark & Smith, 13 Temple St. Est. $150,000. Noted Oct. 4.

Conn., Milford — HOME — Schermerhorn Home, c/o Thompson Holmes & Converse, archts., 101 Park Ave., New York, altering and constructing 3 story, brick addition, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Est. $150,000.

N. Y. Niagara Falls — STORE — S. S. Kresge, Kresge Bldg., Detroit, Mich., store, Buffalo Ave. near 1st St., to Wright & Cramer, Niagara Falls. $158,000.

N. Y., White Plains—HOTEL—Development Service Corp., 369 Lexington Ave., New York, Post Road Hotel, 7 story, to James Stewart & Co., Inc., 17 East 42nd St., New York. Est. $350,000. Noted Jan. 5.

N. Y., Yonkers—APARTMENT—Michael Dann & Son, 11 West Prospect Ave., Mount Vernon, brick, steel, Bronx River Rd. and Sherwood Ave., separate contracts. $300,000. L. Levine 11 West Prospect Ave., Mount Vernon, archt.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten Ave., Passaic, 4 story, basement, 90 x 100 ft., brick, steel, plain found., Putnam and Union Aves., separate contracts. $150,000. J. DeRose, 119 Edison St., Paterson, archt. Noted Oct. 4.

N. J., Jersey City — APARTMENT — B. Caminsky Constr. Co., Concourse Bldg., 5 story, basement, 75 x 125 ft., brick, steel, plain found., 122 Garrison Ave., separate contracts. $250,000. C. Shilowitz, 26 Journal Sq., archt.

N. J., Newark—THEATRE and OFFICE—Fox Theatres Corp., 850 10th Ave., New York, theatre, 4,800 seating capacity, on 46 x 181 x 349 ft. site, to Aronberg-Fried Co., 21 East 40th St., New York. Est. $7,500,000. Noted Dec. 22, 1927.

N. J., West Caldwell (mail Caldwell)—SANITARIUM—E. H. Fougner, archt., 197 Market St., Newark, general contract 3 story, basement, brick, steel, plain found. Mountain Ave. to Drill Constr. Co., Inc., 889 Broad St., Newark, for Theresa Grotto Aid for Convalescents. Est. $150,000. Noted Aug. 9.

Pa., Phila. — APARTMENT — R. B. Bencker, archt., 13th and Chestnut Sts., (1st unit), 12 story, basement, 79 x 190 ft., rein.-con., brick, steel, plain found., to F. G. Stewart, 1520 Locust St., for C. E. Seigle, 419 South 46th St. Est. $800,000. Noted Sept. 20.

Pa., Pittsburgh — GARAGE — Franklin Mortgage & Investment Co., Franklin Trust Bldg., Phila., 3 story, basement, 120 x 170 ft. garage, Magee and Locust Sts., to A. Laub, 812 Wyoming Ave., Phila. Est. $250,000. U. S. Government, lessee.

Ind., Anderson—HOTEL—Anderson Hotel Co., general contract 6 story, basement, 145 x 175 ft., rein.-con., brick, to L. Colvin, 823 Continental Bldg., Indianapolis; heating and plumbing, to Freyn Bros., 1028 North Illinois St., Indianapolis. Est. $700,000.

Mich., Detroit—APARTMENT—R. T. Moeller, 2139 Montcalm Ave., 2 story, basement, 26 x 660 ft., concrete, brick, stone, plain found., Roselawn Ave. Owner builds. $160,000. H. L. Feighner, 446 Free Press Bldg., archt.

Ill., Chicago—APARTMENT—Briar Place Building Corp., c/o Koenigsberg & Weisfeld, archts., 155 North Clark St., general contract 8 story, basement, 75 x 135 ft., fireproof, 515 Briar Pl., to B. G. Lazareff & Co., 228 North La Salle St. Est. $825,000.

Ill., Chicago—APARTMENT—Leichenko & Esser, archts., 38 South Dearborn St., general contract 8 story, basement, 58 x 123 ft., with top bungalow, face brick, terra cotta, 2860 East 76th St., to H. B. Ryan & Co., 500 North Dearborn St., for A. O'Rourke, 111 West Washington St. Est. $600,000.

Ill., Chicago — APARTMENTS — Z. E. Smith, archt., 343 East Garfield Blvd., masonry contract two 3 story, 122 x 124 ft., brick, 1300-10 West 69th St., to H. Johnson, 343 East Garfield St., for W. J. McDonnell, 850 East 75th St. Est. $300,000.

Ill., Chicago — APARTMENT — H. A. Zisook (owner and carpenter), 4655 Lake Park Ave., masonry contract 3 story, 134 x 168 ft., brick, 1900-12 Pratt Blvd., to A. W. Anderson, 5511 North Spaulding Ave. Est. $300,000.

Ill., Chicago—STORE—M. F. Galdokas, archt., 1263 North Paulina St., masonry and carpentry contract 3 story, 75 x 125 ft., brick, 2538-42 West 63rd St., to J. Gerhardt & Son, 179 West Washington St., for Peoples Furniture Co., 1930 South Halsted St. $150,000.

Ill., Crystal Lake — THEATRE, STORE and APARTMENT—Crystal Lake Theatre Corp., general contract 2 story, 75 x 180 ft., brick, to United Studios, Inc., 14 West Lake St., Chicago. Est. $150,000.

Minn., Minneapolis — OFFICE and STORE — S. N. Crowen, & Co., archts., 22 West Monroe St., Chicago, Ill., Hodgson Building, 12 story, 103 x 158 ft., 2nd St. and 4th Ave. S. to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, Ill. Contractor now taking sub-bids. Est. $1,360,000.

Minn., St. Paul—GARAGE and STORE—Ballard Storage & Transfer Co., O. T. Skellet, pres., 16 East 4th St., general contract 4 story, basement, rein.-con., brick, to Harris J. Hoy Co., 501 Pioneer Bldg. Est. $250,000. Noted Sept. 13.

Kan., Beloit — HOSPITAL — Hospital Comn., c/o W. S. Irwin, secy., general contract 2 story (ultimately 3 story), basement, 40 x 163 ft., and 34 x 137 ft. rein.-con., stone, brick, gypsum block hospital and 2 story, basement, 37 x 80 ft. nurses home to Peterson Constr. Co., 720 Pioneer Trust Bldg., Kansas City, Mo.; heating and plumbing, to M. M. Stevens, 316 East 12th St., Hutchinson. Est. $200,000. Noted Sept. 13.

Tex., Fort Worth — DEPARTMENT STORE — W. C. Hedrick, Inc., archts., 1005 1st Natl. Bank Bldg., 5 story, basement, brick, stone, steel, rein.-con., to Wohlfeld & Witt, Const.-Ind. Bldg., Dallas, for Tiller Fidelity Co. Est. $750,000. Noted Aug. 23.

Calif., Los Angeles—APARTMENTS—J. H. Layton, c/o L. L. Jones, archt., 2504 West 7th St., 7 story, basement, rein.-con., Ocean View Ave. and Carondelet St., to Capital Building Co., 206 East 4th St. $250,000 or more.

Calif., Los Angeles — APARTMENT — Reed & Delbridge, 7 story, basement, 60 x 150 ft., rein.-con., Wilton Pl., to E. T. Davis, W. M. Garland Bldg.

B. C., Vancouver — OFFICE — Miller, Court & Co. Ltd., 736 Granville St., 10 story, 75 x 120 ft., rein.-con., stone, terra cotta, plain found., Pender and Howe Sts., to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St., $500,000.

Ont., Leaside—OFFICE—Durant Motors of Canada, 2 story, basement, 42 x 177 ft., concrete, brick, steel addition, plain found., to Jackson Lewis Co. Ltd., Federal Bldg., Toronto. Est. $200,000.

Ont., Toronto — FURNITURE STORE — J. Eaton Co. Ltd., Yonge St., general contract 7 story, 2 basement, 206 x 246 ft., brick, steel, stone, concrete, to G. A. Fuller Co. of Canada Ltd., Metropolitan Bldg.; structural steel, to McGregor & McIntyre, 1139 Shaw St.; excavation, to Lioni & Co., 1411 Duffern St.; caissons, to Lumsden Eng. & Transport Co., Lumsden Bldg. Est. $2,500,000. Noted Aug. 23.

Buildings—Educational, Religious

Proposed Work

Me., Rockland—NURSES HOME—Knox Co. General Hospital plans by Hutchins & French, 11 Beacon St., Boston, Mass., 3 story, basement, brick, hospital grounds. $150,000-$160,000.

Mass., Brighton (sta. Boston)—LIBRARY—City of Boston, Library Dpt., Copley Sq., branch library. $150,000. Engineer and architect not selected.

Mass., Dorchester (sta. Boston)—HIGH SCHOOL — City of Boston, Schoolhouse Dpt., sketches by Newhall & Blevens, Inc., 9 Park St., Boston, 3 and 4 story, basement, brick, limestone addition, plain found., Centre St. near Codman Sq. $200,000.

Mass., Worcester—HOME—St. Francis Aid Society, J. H. Fontaine, plans by O. E. Nault, 48 Hamilton St., brick, steel, Thorne St. $200,000.

R. I., Providence — CHURCH — St. Edward's Parish, E. J. Colgan, pastor, 999 Branch Ave., sketches by J. F. Hogan, Grosvenor Bldg., altering church, 994 Branch Ave. $150,000 or more.

Conn., Coscob — SCHOOL — Bd. Educ. sketches by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., 2 story, basement, brick, steel, addition, plain found. $200,000.

Conn., Hartford — SCHOOL — City, 2nd North School Dist., J. J. Kavanaugh, chn., addition to Main St. School. $300,000. Engineer and architect not selected.

Conn., New Haven—ADMINISTRATION—Sheffield Scientific School Trustees Yale University, sketches by Zantzinger, Borie & Medary, 112 South 16th St., Phila., Pa., administration building. To exceed $150,000.

N. Y., New York—NURSES HOME—Missionary Sisters of Sacred Heart, 226 East 20th St., plans by R. Meier, 226 East 20th St., 5 story, brick, 230 East 20th St. $200,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., plans by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, 4 story, 178 x 182 ft., brick, 172nd St. and Shakespeare Ave. $850,000.

N. J., Clifton—CHURCH—Owner, c/o J. C. Van Vlandren, archt., 140 Market St., Paterson, sketches 2 story, basement, brick, steel, plain found., East 7th St. and Vernon Ave. $150,000.

N. J., Montclair — DEMONSTRATION SCHOOL—State Bd. Educ., State House, Trenton, sketches by Gilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Morristown—SCHOOL—Bd. Educ., 50 Early St., rejected bids Sept. 12, general contract 2 story, basement, brick, steel, plain found., Liberty and Hazel Sts. $150,000. Will probably revise plans. Campbell Voorhees, Schuyler Pl., archt. Noted Sept. 27.

N. J., Riverdale—SCHOOL—Bd. Educ. plans by Rasmussen & Wayland, 36 West 47th St., New York, 2 story, basement, brick, steel, plain found. $150,000. Noted Aug. 2.

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Buildings—Educational, Religious (Cont.)

Pa., Greensburg—GYMNASIUM—Seton Hall College for Women plans by C. G. Strong, Keystone Bldg., Pittsburgh, 3 story, basement, 70 x 150 ft., brick, steel, Seton Hall. $150,000.

Miss., Starkville—AGRICULTURAL and DORMITORY—Mississippi Agricultural & Mechanical College, c/o Mississippi State Building Com., Jackson, W. C. Trotter, secy., plans by C. H. Lindsley, Lamar Life Bldg., Jackson, two 3 story, one 50 x 190 ft., other 50 x 150 ft. face brick, tile, terra cotta buildings. Noted June 28.

La., Milton—SCHOOL—Lafayette Parish School Bd. plans by W. T. Nolan, Canal Bank Bldg., New Crleans, 2 story, rein.-con., brick, stucco, rein.-con.. found. $150,000.

La., Youngsville — SCHOOL — Lafayette Parish School Bd., plans by W. T. Nolan, Canal Bank Bldg., New Orleans, 2 story, rein.-con., brick. $150,000.

Ind., North Manchester — SCHOOL — School Comrs. Wabash Co. (Wabash) plans by E. H. Brown, Ft. Wayne, 2 story, basement, rein.-con., brick, incl. gymnasium, auditorium, 12 class rooms, assembly hall. $150,000.

Mich., Hazel Park (br. Detroit) — SCHOOL — Bd. Educ. plans by F. Eurich, 415 Brainard St., Detroit, 2 story, basement, rein.-con., brick, steel, stone, plain found., John R. St. $350,000.

Mich., Pontiac—COMMUNITY—Central Methodist Episcopal Church, plans by Methodist Episcopal Church Bureau of Architecture, 1701 Arch St., Phila., Pa., 2 story, basement, steel, incl. auditorium, 1,500 seating capacity, West Huron St. $150,000.

Kan., Topeka—HIGH SCHOOL—Bd. of Educ., c/o Secretary, soon takes bids Junior High School, 2 story, basement, rein.-con., brick, stone, South Topeka St. $160,000. T. W. Williamson & Co., 312 Central Natl. Bank Bldg., archts.

Bids Desired

Mass., Ashland—SCHOOL—Oct. 20, by Town, E. R. Dearborn, chn. building com., 2 story, basement, 60 x 140 ft. and 45 x 75 ft. wing, brick, stone, plain found. near Town Hall. $150,000. W. H. Brainard Associates, 89 Franklin St., Boston, archts. Noted Aug. 2.

Conn., Bridgeport — COMMUNITY — St. Charles Roman Catholic Parish, J. J. McGivney, pastor, taking bids 2 story, basement, 65 x 128 ft., brick, steel, cast stone community building. $150,000. J. A. Jackson, 185 Church St., New Haven, archt.

Conn., West Hartford (br. Hartford)—HIGH SCHOOL—Oct. 19, by Town West Hartford, School Bd., 4 story, 60 x 230 ft., brick, steel addition to Alfred Plant Junior High School. $300,000. R. F. Barker, 43 Farmington Ave., Hartford, archt. R. J. Percival, 15 Lewis St., Hartford, engr.

N. Y., Potsdam—SCHOOL—Lansing & Green, archts., 601 North Trust Bldg., Watertown, bids about Nov. 1, 2 story, basement, 70 x 276 ft., rein.-con., brick, LeRoy St., for Bd. Educ., H. Bubly, pres. $300,000. E. E. Palmer, Everson Bldg., Syracuse, heating engr.

N. J., Dunellen — SCHOOL — Bd. Educ. Old New Market Rd., bids about Oct. 15, general contract 2 story, basement, brick, steel, plain found., 1st St. and Lincoln Ave. $150,000. A. M. Korff, 203 Park Ave., Plainfield, archt. Noted Aug. 23.

N. J., East Orange — CHURCH — Holy Name of Jesus Parish, E. A. Deegen, pastor, taking bids 1 story, tower, 75 x 160 ft., limestone, marble, Midland Ave. and Todd St. $300,000. Maginnis & Walsh, Statler Bldg., Boston, Mass., archts.

N. J., Jersey City—CHURCH, PARSONAGE and PARISH HALL—W. Neuman, archt., 40 Journal Sq., bids about Oct. 15, general contract 1 story, basement, brick, steel, plain found., Woodward St. and Communipaw Ave., for Christ Evangelical Church, 179 Woodward Ave. $150,000. Noted Aug. 9.

N. J., Secaucus (Ind. br. West New York) —SCHOOL—Bd. Educ., Town Hall, Paterson Plank Rd., bids about Nov. 1, general contract 2 story, basement, brick, steel, plain found., County Ave. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt.

N. J., Tenafly—SCHOOL—Bd. Educ., Boro Hall, Washington St., bids about Oct. 15, 2 story, basement, brick, steel, plain found. $250,000. E. Sibley, Bluff Rd. Palisade, archt. Noted Aug. 9.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, Center St., bids about Nov. 1, general contract 2 story, basement, brick, steel, plain found. $325,000. A. E. Dore, 173 Main St., Hackensack, archt. Noted May 17.

Pa., Phila.—DORMITORY—Oct. 15, by R. L. Gill, archt., 5600 Germantown Ave., rein.-con., brick, steel, plain found., Front and Lehigh Sts., for Episcopal Hospital, Front and Lehigh Sts.

Pa., State College—DORMITORY—Oct. 29, by C. Z. Klauder, archt., 1429 Walnut St., Phila., 3 story, basement, 74 x 201 ft., rein.-con., brick, steel, plain found., for Penn State College. $200,000.

Md., Baltimore—CHURCH and PARSONAGE—Oct. 16, by Frohman, Robb & Little, archts., 16 Jackson Pl., Wash., D. C., and 140 Boylston St., Boston, Mass., general contract 1 story, basement, 57 x 120 ft., stone, 33rd and Alameda Blvd., for Church of Our Savior English Lutheran Church, A. Strenke, pastor. $150,000. Noted Aug. 30.

Md., Baltimore—HOME—Oct. 16, by J. Evans Sperry, archt., Calvert Bldg., and F. E. Hahn & S. B. Baylinson, assoc. archts., 629 Chestnut St., Phila., Pa., 4 story, 179 x 195 ft., brick, Monument St., for Y. M. H. A., c/o architects.

Mich., Battle Creek — CHURCH — A. B. Chanel, archt., 717 Post Bldg., revising plans and takes bids about Oct. 15, 2 story, basement, 90 x 145 ft., concrete, brick, steel, plain found., East Van Buren St., for St. Philips Parish, 92 Maple St. $150,000.

Mich., Owosso — HIGH SCHOOL — Oct. 30, by Clerk Bd. Educ., 2 story, basement, rein.-con., brick, stone high school. $400,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archts. Noted Oct. 4.

Mich., Pontiac — HIGH SCHOOL — Oct. 23, by R. Hazelton, secy. Bd. Educ., High School Bldg., 2 story, basement, 200 x 264 ft., rein.-con., brick, steel, plain found., Washington Site. $485,000. Noted Sept. 20.

Ill., Chicago—HIGH SCHOOL—Oct. 18, by Bd. Educ., 650 South Clark St., E. Withall, bus. mgr., additions to Kelwin Park Junior High School, 4343 Wrightwood Ave., and Hawthorne School, 3300 North Seminary Ave. P. Gerhardt, c/o owner, archt.

Ill., Evanston — COMMUNITY HOUSE and CHAPEL — Tallmadge & Watson; archts., 160 North La Salle St., Chicago, bids about Oct. 19, 2 story parish house and chapel, Hinman Ave., for First Methodist Episcopal Church. $500,000.

Wis., Milwaukee—CHURCH—Oct. 15, by R. A. Mesmer & Bro., archts., 221 Wisconsin Ave., 3 story, 42 x 100 ft., brick addition, rein.-con. found., Hampshire Ave., for Plymouth Congregational Church, 757 Maryland Ave.

Ia., Davenport—SCIENCE HALL—St. Ambrose College, U. A. Hauber, pres., bids about Jan. 1, Lewis Memorial Science Hall, 3 story, basement, 60 x 140 ft., rein.-con., brick, on campus. $150,000. R. Meling, 7144 Ellis Ave., South Chicago, Ill., archt.

Ark., North Little Rock (Ind. br. Little Rock)—SCHOOL—Oct. 22, by Bd. Educ., W. H. Phipps, secy., 4 story, basement, brick, concrete, stone, 22nd and Main Sts. $500,000. G. R. Mann, Wanger & King, New Donaghey Bldg., Little Rock, archts. Noted July 5.

Ont., Walkerville—SCHOOL—Oct. 15, by W. Thorborn, secy. Bd. Educ., 151 Victoria Ave., 2 story, basement, rein.-con., brick, steel, plain found., Windermere Ave. $175,000. Nicols, Sheppard & Masson, Equity Chambers, Windsor, archts.

Contracts Awarded

Mass., Everett (br. Boston)—SCHOOL—City, School Building Com., D. R. W. Murdock, chn., 2 story, basement, 105 x 120 ft., brick, stone, plain found., to J. E. Dyer Constr. Co., 80 Boylston St., Boston, $170,000. Noted Sept. 27.

Mass., Framingham — SCHOOL — Town, C. A. Potter, chn. School Com., 6 Beaumont Bldg., 2 story, basement, brick, stone, plain found., to I. P. Rockford, 465 Main St., Rockland. Est. $150,000. Noted Sept. 27.

Mass., Longmeadow (mail Springfield)—SCHOOL—Town, c/o H. Dudley, 73 Colton Pl., 2 story, 130 x 135 ft., brick, timber, plain found., to W. J. Quinn, Main St. Est. $150,000. Noted Sept. 27.

Mass., Stoneham (Ind. br. Boston) — HIGH SCHOOL — Town J. Butler, chn. building comn., 2 story, basement, brick, stone, plain found., Williams St., to F. J. Green, 60 Crossman Ave., Beach Bluffs. Est. $150,000.

Conn., Hartford—GYMNASIUM—Trinity College Trustees, R. B. Ogilby, pres., 58 ft. high, 64 x 120 ft., brick, steel, brownstone gymnasium, incl. 30 x 75 ft. swimming pool and 6 squash racquet courts, to R. G. Bent Co., 93 Edwards St. Est. $150,000.

N. C., Raleigh—HIGH SCHOOL—School Comn., H. F. Srygley, supt., general contract 3 story, basement, concrete, steel, incl. 52 classrooms, 1,600 seating capacity auditorium, gymnasium, cafeteria, to J. W. Hudson, Jr., Raleigh, $321,321; heating, to W. H. Bond & Co., Inc., 404 West Davie St., $30,765. Noted Sept. 20. Electrical work, to Thompson Electrical Co., 13[illegible] Fayetteville St., $9,890; plumbing, to W[illegible] & Trull, 120 West Davies St., $16,694.

La., New Orleans—MUSIC SCHO[illegible]—E. Weil, archt., Whitney Bldg., Dixon Hall, 2 story, rein.-con., brick, steel, wood pile found., Newcomb St., to R. P. Farnsworth, Maritime Bldg., New Orleans, for Sophie Newcomb Musical College. $213,814. Noted Sept. 6.

Ky., Louisville — HIGH SCHOOL — Bd. Educ., general contract 3 story, part basement, 159 x 238 ft., rein.-con. brick, tile, to G. H. Rommel Co., 956 Logan St., $277,000; heating and ventilating, to Redmon Heating Co., 121 North 4th St., $59,000.

Ind., Indianapolis — SCHOOLS — School Comrs., 150 North Meridian St., general contract School 80, to Karstedt Constr. Co., 254 North Capitol St., est. $192,500; School 47, to Benjamin Bass Co., 4003 North New Jersey St. est. $121,275; School 43, to W. P. Jungslaus Co., 825 Mass Ave., est. $98,200; School 66, to Service Constr. Co., 361 Castle Hall, est. $170,890, all 2 story, basement, brick. Noted Feb. 23.

Ill., Moline—CATHEDRAL—Scottish Rite Cathedral Assn., white Indiana lime stone, 18th St. and 7th Ave., to Bergstedt Constr. Co., Moline, $287,162.

Ill., Winnetka — SCHOOL — Bd. Educ., general contract 2 and 3 story addition, to J. Shedden & Co., 208 West Washington St. Est. $150,000. Noted Apr. 26.

Minn., Duluth—PARISH HOUSE—F. W. Paine, warden St. Pauls Episcopal Church, 1710 East Superior St., 4 story, 54 x 102 ft., rein.-con., brick, 17th Ave. and East Superior St., to R. J. MacLeod & Son, Builders Exch., $150,000.

Federal Government Work

Proposed Work

Md., Annapolis—COAL BUNKER—Spec. 5756—Bureau Yards & Docks, Navy Dpt., Wash., D. C., extending coal bunker, at High Power Radio Station, Naval Academy.

Tex., San Antonio—AIRPORT—U. S. Engineer Office army airport and flying field, 11 mi. north of here. Noted Aug. 31.

Bids Desired

Connecticut—RIP RAP STONE—Oct. 16, by Superintendent Lighthouses, Bay St., St. George, N. Y., 2,100 tons rip rap stone foundation for Barlett Point Light, Thames River.

N. Y., St. George—CHAIN—Oct. 15, by Superintendent Lighthouses, 36 pieces, 2 in. stud link cast steel lightship chain, 78 cast steel shackles, 30 cast steel swivels, six 7,000 lb. cast steel mushroom anchors.

Pa., Olyphant — POST OFFICE — Nov. 2, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Oct. 11.

Delaware—JETTY—Nov. 5, by U. S. Engineer Office, Wilmington, repairing north jetty at entrance to Wilmington Harbor, Christiana River; adv. E. N.-R. Oct. 11.

S. C., Charleston—STEEL LIGHTER—Oct. 20, by Superintendent of Lighthouses, 100 ton steel lighter.

Ill., Savanna—MAGAZINE BUILDINGS, etc.—Dec. 1, at office Constructing Quartermaster, 24 magazine buildings and nonclimable fence at Savanna Ordnance Dpt.; adv. E. N.-R. Oct. 11.

Bids Received

Pa., Sharpsburg—POOL, WALKS, etc.—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., Oct. 2, pool, walks, steps, grading, at U. S. Veterans' Hospital, from G. Ferrone, Blawnox, Pa., $14,000 (60 days).

Del., Newark—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Oct. 4, U. S. Post Office, from J. P. Foley & Sons, Inc., 80 Boyle St., Boston, Mass., $52,920.

La., New Orleans—LEVEE WORK—U. S. Engineer Office, Riverfront and Burdette Sts., dredging 242,000 cu.yd. Brabston Levee, in Lower Tensas Dist., from H. B. Blank, 1st Natl. Bank Bldg., Vicksburg, Miss., at $0.2655 per cu.yd.; 150,000 cu.yd. Shaw-Blackhawk Levee, Lower Tensas Dist., and 310,000 cu.yd. Alford Levee in Atchafalaya Dist., from Dameron & Kenyon, Port Allen, $0.1565 and $0.23 respectively; 190,000 cu.yd. Ames Levee, Lafourche Dist. and 295,000 cu.yd. Hope Levee, Pontchartrain Dist., from Lower Coast Constr. Co., Godchaux Bldg., $0.1621 and $0.175 respectively; 580,000 cu.yd. Margaret Levee, Pontchartrain Dist., from Lewis-Chambers

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Federal Government Work (continued)

Constr. Co., New Orleans $0.234; 172,000 cu.yd. Evans Point Levee, Atchafalaya Dist., from Howard Kenyon Dredging Co., 3605 McKinley St., Houston, Tex. $0.1375; 16,000 cu.yd. Tin Barn Levee, Atchafalaya Dist., from O. O. Ogden, Baton Rouge, $0.262; 30,000 cu.yd. Neita Levee, Red River Atchafalaya and Bayou Bouef Dist., from K. A. Lindolt, $0.25; 60,000 cu.yd. Elba Levee and 145,000 cu.yd. Richard Levee, same district from Grasser Constr. Co., Maritime Bldg., New Orleans, $0.18; 145,000 cu.yd. Richard Levee, same district, from McWilliams Dredging Co., New Orleans Bank Bldg., $0.165. Noted

Calif., San Diego—CRANE—Spec. 5713—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Oct. 3, electric bridge crane at Naval Operating Base, from Judson Pacific Co., 601 Mission St., San Francisco, $12,300. Noted Sept. 13.

Contracts Awarded

Mass., Boston—RETAINING WALL, etc.—Treas. Dpt., at office Supervising Archt., Wash., D. C., retaining wall, coal pocket at Gallops Island Quarantine Station to C. H. Holmes Constr. Co., 67 Bonair St., Somerville.

Pa., Phila.—BREAKWATER—U. S. Engineer Office, breakwater of ship hull, to Phila. Derrick & Salvage Corp., Bourse St., $155,520. Noted Aug. 30.

Maryland—DREDGING—U. S. Engineer Office, Custom House, in Crisfield Harbor, to Absecon Dredging Co., Absecon, N. J., $32,657; in Cambridge Harbor, to Lukens Dredging & Constr. Corp., Calvert Bldg., Baltimore, $9,742. Noted Aug. 23.

Md., Perry Point—PORCHES—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., porches for Buildings 1 to 5 (inclusive), to J. George Bensel Co., 3005 Shannon Dr., Baltimore, $15,131.

Va., Norfolk—RIP RAP—U. S. Engineer Office, 3,032 tons rip rap stone for repairing Craney Island Bulkhead, to Oscie-Dashiell & Co., Portsmouth, $11,976. Noted Sept. 6.

Ky., Outwood—FIRE ALARM SYSTEM—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Sept. 18, fire alarm system at U. S. Veterans Hospital, to Greenwood Electrical Co., 4849 Chestnut St., Phila., Pa., $8,195. Noted Aug. 30.

Wash., Smith Island—POWER HOUSE, etc.—Spec. 5674—Bureau Yards & Docks, Navy Dpt., Wash., D. C., power house, flushing water system, at Naval Radio Compass Station, to B. Ward, 2512 Boylston Ave., North Seattle $5,858 (120 days).

Calif., Riverside — QUARTERS — Constructing Quartermaster, one set bachelor officers quarters, to Los Angeles Constr. Co. & C. G. Wopschall, 2341 London St., Los Angeles, $110,000. Noted Aug. 23.

Calif., San Diego—PAVING—Spec. 5744—Bureau Yards & Docks, Navy Dpt., Wash., D. C., paving flying field at Naval Air Station, to Hazard Contg. Co., 2548 Kettner Blvd., $28,150. (90 days).

FEDERAL POWER COMMISSION

Application for License and Permits Applications

925—City of Ottumwa, Ottumwa, Ia., wants preliminary permit power project on Des Moines River in Wapello Co.

926—Pacific Gas & Electricity Co., 245 Market St., San Francisco, Calif., wants license transmission line partly within Tahoe Natl. Forest, Placer Co.

Unclassified

Proposed Work

WHARF REPAIRS—**South Boston** (sta. Boston), **Mass.**—American Sugar Refining Co., 131 State St., Boston, repairing wharf near Granite St. $25,000. Silsbee & Gould, Ames Bldg., Boston, engrs.

PIER and STATION—**Buffalo, N. Y.**—Cleveland & Buffalo Transit Co., G. A. Bomm, genl. mgr., foot East 9th St., Cleveland, O., plans by W. S. Lougee, 500 Marshall Bldg., Cleveland, rein.-con. pier and station. $350,000.

POLICE and FIRE ALARM SYSTEM—**Poughkeepsie, N. Y.** — Common Council bids after Jan. 1, police and fire alarm systems. $179,000 voted for same. T. F. Lawlor, city engr.

TRAFFIC LIGHT SYSTEM—**New Jersey** — Bd. Blvd. Comrs., Court House, Jersey City, traffic light system on Hudson Co. Blvd. from Bayonne, Jersey City to Hudson Co. line. $50,000. F. J. Radigan, Court House, Jersey City, co. engr.

TRAFFIC LIGHTS—**Union City, N. J.**—Bd. City Council, City Hall, preliminary plans extending traffic lighting system, throughout lower section city. $50,000. J. C. Maulbeck, city engr.

NATURAL GAS PIPE LINE — **Texas** — Tri-Tex Utilities Co., c/o Gunter Bldg., San Antonio, 200 mi. 8 in. gas pipe line in northern Zavalla Co., also towns in Maverick, Dimmit, La Salle and Frio Counties. $2,000,000. Private plans.

TANK FARM—**Palestine, Tex.**—Humble Oil & Refinery Co., Humble Bldg., Houston, and Frost Bank Bldg., San Antonio, steel tank (oil) farm on 200 acre tract in eastern section Anderson Co. $300,000 or more.

TRANSMISSION LINE — **Oklahoma** — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, preliminary plans 33,000 volt transmission line between Macomb and Wanette. $60,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

OIL PIPE LINE—**Oklahoma and Illinois**—Texas Pipe Line Co., Texas Co. Bldg., Houston, (subsidiary Texas Corp., 17 Battery Pl., New York), surveys 600 mi. 8 in. main oil line from Tulsa, Okla., to Lockport, Ill., also increasing refinery from 6,000 to 15,000 bbl. daily in Lockport, Ill. Private plan.

OIL PIPE LINE—**Oklahoma and Iowa**—Empire Oil & Refining Co. (subsidiary Engineering Department Cities Service Co., 60 Wall St., New York), 400 mi. 8 in. oil pipe line, 40,000 bbl. daily capacity from Ponca City, Okla., to Iowa Refinery; tanker barges and 10,000 bbl. initial and 40,000 bbl. ultimate capacity oil refinery along Mississippi River in Iowa. $16,000,000.

POWER TRANSMISSION — **Colorado** — Commonwealth Utilities Corp., W. J. Rookstool, preliminary plans power transmission line extension and improvements from Colorado Springs to Calhan, Simla, Hamah, Castle Rock, Monument and back to Colorado Springs.

TUNNEL — **Leadville, Colo.** — State Hy. Dpt., Denver, concreting 2 mi. Carleton Tunnel west of here. $100,000. L. D. Blauvelt, hy. engr.

GRANDSTAND, EXPOSITION, SWIMMING POOL and ANIMAL SHEDS — **Pueblo, Colo.** — Colorado State Fair Comm. c/o J. J. Clark, First National Bank Bldg., plans by W. DeMordaunt, 738 First National Bank Bldg., concrete, steel grandstand, seating capacity 10,000, $250,000; fair exposition building, swimming pool and animal sheds. $300,000.

UNDERGROUND WIRES—**London, Ont.**—See "Streets and Roads under Contracts Awarded."

Bids Desired

FLOOR SUPPORTS—**Brooklyn, N. Y.**—Oct. 19, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., additional supports for floors in shops Coney Island Yard of Rapid Transit R.R., Agreement "GS."

SUBWAY—**Buffalo, N. Y.**—Oct. 11, by G. Fisk, comr. P. Wks., Municipal Bldg., pedestrian subway, opposite School 17, in Main St., near Delavan; walks, drives, retaining walls, etc. at Massachusetts Ave. Playground. C. E. B. Babcock, city engr.

STATION FINISH—**New York, N. Y.**—Oct. 19, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., station finish for 50th, 59th Street-Columbus Circle and 72nd St. Stations of Rapid Transit R.R.

STRUCTURAL METAL WORK—**Phila., Pa.**—Oct. 19, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., structural metal work, Contr. 78-1928.

OPERATORS HOUSES and WALLS — **Chicago, Ill.**—Oct. 15, by City, City Hall, operators houses, enclosure walls for double leaf trunnion bascule bridge over south branch Chicago River at Roosevelt Rd. R. W. Wolfe, comr. P. Wks.

BOILERS, STOKERS, etc.—**Milwaukee, Wis.** — Oct. 15, by Dpt. P. Wks., R. E. Stoelting, comr., moving, resetting boilers in boiler room at North Point Pumping Station, two 400 hp. horizontal water tube boilers, furnishing, installing mechanical stokers, soot blowers, power plant piping, etc.

Bids Received

PIER SHED—**Baltimore, Md.**—At office City Register, City Hall, Oct. 3, 1 story, 160 ft. x 1,000 ft. pier shed with 33 ft. apron on west side and 21 ft. on east side, piling, docking, fills, concrete pedestals, from Northeastern Contg. Co., Lexington Bldg., $956,450. Noted Sept. 20.

Contracts Awarded

RACE TRACK, etc.—**Framingham, Mass.**—J. C. Hopewell, c/o G. H. Sidebottom, archt., 101 Tremont St., Boston, 1/3 mi. enclosed and ½ mi. open race tracks, 1 and 2 story, 80 x 180 ft., timber barn, to C. Drake, 222 Walnut St.

TRANSFORMER BUILDING — **New York, N. Y.**—Bd. Health, 505 Pearl St., transformer building, light and power house system additions at Riverside Hospital, to Fischback & Moore, Inc., 226 East 41st St., $24,640. Noted Sept. 13.

SWIMMING POOL—**Rye, N. Y.**—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, rein.-con. recirculating type outdoor swimming pool at Rye Beach Amusement Park, to John G. Mapes Co., 38 East Post Rd., White Plains, $39,550. Noted Sept. 13.

PLAZA — **Atlantic City, N. J.** — City Comrs., plaza on boardwalk opposite hall, to Atlantic Constr. Co., Atlantic City, $294,440; electrical equipment for convention hall, to Fischback & Moore, Inc., 226 East 41st St., New York, $529,422; public address system, to Graybar Electric Co., 910 Cherry St., Phila., Pa. $199,602. Grand total $1,023,464. Noted Apr. 7, 1927, under "Buildings—Commercial."

TRANSMITTING STATION—**Lawrenceville, N. J.**—Amer. Telephone & Telegraph Co., 15 Dey St., New York, two 2 story, basement, one 76 x 96 ft., other 60 x 76 ft., concrete, brick trans-ocean transmitting station, 4,500 lin.ft. antenna system, roads, to Morton C. Tuttle Co., 31 St. James Ave., Boston, Mass.

LIGHTING SYSTEM—**Weehawken, N. J.**—Bd. Blvd. Comrs., Court House, ornamental lighting system on Boulevard East from Highwood to Willow Aves., to W. J. Coleman, 11 Oakland Ave., Jersey City, $21,318.

AVIATION FIELD — **Phila., Pa.** — See "Streets and Roads."

LOADING DOCK—**Alabaster, Mich.**—U. S. Gypsum Co., 300 West Adams Ave., Chicago, Ill., concrete loading dock resting on 9 rock filled timber cribs, incl. elevated steel bunkers with bottom dumps for discharging stone into boats, to Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, Ill. Est. $75,000.

LOADING DOCK — **Detroit, Mich.** — Chrysler Motor Car Corp., East Jefferson Ave., 2,180 ft. rein.-con., steel loading deck, to W. E. Wood Co., 1805 Ford Bldg. Est. $60,000.

COALING STATION—**Lansing, Mich.**—Grand Trunk Ry., 400 East Jefferson Ave., Detroit, J. A. Heaman, ch. engr., 400,000 ton coaling station, rein.-con. steel, to Ogle Constr. Co., 288 Jackson Blvd., Chicago, Ill. Est. $65,000.

GUARD RAIL — **South Dakota** — See "Bridges."

OIL PIPE LINE — **Texas** — Texas Pipe Line Co., Texas Co. Bldg., Houston (subsidiary Texas Co., 17 Battery Pl., New York), constructing 120 mi. 10 in. and 470 mi. 12 in. pipe line from point near Pecos to Port Arthur, to Smith Bros., 117 Villita St., San Antonio, $2,000,000.

Materials

Bids Desired

ASPHALTIC OIL—**New Jersey**—Oct. 22, by State Hy. Comn., Trenton, 22,600 gal. asphaltic oil, Grade H. K. or tar Grade K. P. or U. C. in barrels. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 11.

GRAVEL—**Phila., Pa.**—Oct. 15, by Dpt. Supplies, City Hall, 3,400 tons bank or river gravel, Class 216. T. F. Watson, dir.

STEEL RAILS—**Phila., Pa.**—Oct. 19, by C. D. Young, genl. purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., 260,000 tons steel rails, Contr. 4324.

WATER METERS — **Chicago, Ill.** — Oct. 16, by City, City Hall, eleven thousand four hundred 1, 1½ and 2 in. disc water meters at Municipal Meter Shops, 3148 South Sacramento Ave. R. W. Wolfe, comr. P. Wks.

BRIDGE LUMBER—**Leon, Ia.**—Oct. 18, at office Auditor Decatur Co., 269,143 ft. Douglas fir untreated bridge lumber, 6,960 ft. Southern red cedar and 2,310 ft. creosoted yellow pine piling. F. K. Brown, Leon, co. engr.

Contracts Awarded

ASPHALTIC MACADAM BINDER, etc. — **St. George, N. Y.** — J. A. Lynch, pres. Richmond Boro, Boro Hall, 20,000 gal. asphaltic macadam binder, to Standard Oil Co., 26 Bway., New York, $2,154; 600 tons bituminous concrete in Dists. 1, 2 and 3, to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $9,744. Noted Oct. 4.

GUARD RAIL—**Clarion, Ia.**—Wright Co., to G. Cronkhite, Perry, 1,200 ft. cable guard rail at $0.22 per ft., 6 anchors $7 each.

See proposal advertising on page 140

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UNIT PRICES

Tunnel—Boston, Mass.

Metropolitan District Water Supply Comm., 24 School St., opened bids Nov. 18, 1927, (contract awarded Apr. 30, 1928) Contract 14, Wachusetts-Coldbrook Tunnel, 14 mi. long, in towns of West Boylston, Holden, Rutland, Oakham and Barre. Tunnel will be lined with concrete and will generally be of horseshoe type, 12 ft. 9 in. high by 11 ft. wide inside lining, and will be driven from eight shafts varying from 8,800 ft. to about 11,600 ft. apart, two of which 205 ft. and 245 ft. in depth are included in contract. Other six intermediate shafts varying from 315 ft. to 660 ft. in depth included in former contract. Bids were considered three ways: Proposal A, entire tunnel; Proposal B, East portion; Proposal C, West portion. Unit prices of the lowest and highest bidders are given on each proposal. (A) Winston & Co., Inc., Kingston, N. Y.; (B) Patrick McGovern, Inc., 50 East 42nd St., New York; (C) J. P. Porter, Porter Bldg., Portland, Ore., (awarded contract Proposal B); (D) Coleman Bros., Inc., 245 State St., Boston; (E) Coughlan & Porter, 27 School St., (awarded contract Proposal C); (F) P. F. Connolly, Long Island City, N. Y. Frank E. Winsor, chief engineer.

Quantities					Proposal A		Proposal B		Proposal C	
A	B	C	Unit		A	B	C	D	E	F
1,000	1,000	.....	Cu.yd.	Earth excavation for Shaft 1	$11.40	$18.60	$8.00	$6.00	.....	.....
9,400	3,400	6,000	Cu.yd.	Rock excav. in shafts and tunnel within 50 ft. of shaft center lines	11.40	18.50	12.00	20.00	$12.00	$18.00
530,000	240,000	290,000	Cu.yd.	Excav. in tunnel, except within 50 ft. of shaft center lines	11.40	14.20	10.75	16.50	11.00	13.00
1,000	500	500	Cu.yd.	Enlargement of shafts and tunnel in rock	11.40	30.00	12.00	20.00	12.00	10.00
74,000	33,700	40,300	Lin.ft.	Shaft and tunnel drainage	6.50	2.00	2.00	10.00	2.00	8.50
215	215	.....	Lin.ft.	Forms for preliminary conc. lining in Shaft 1	10.00	80.00	15.75	13.00	.....	.....
250	.....	250	Lin.ft.	Forms for preliminary conc. lining in Shaft 8	10.00	100.00	.....	.....	15.75	15.00
75	25	50	Lin.ft.	Forms for conc. linings of shafts 2, 3, 4, 5, 6 and 7	10.00	100.00	1.00	13.00	1.00	5.00
74,000	33,750	40,250	Lin.ft.	Forms for conc. lining in tunnel	4.00	2.00	2.60	10.00	3.50	9.00
4,000	2,300	1,700	Cu.yd.	Conc. masonry in shafts	10.00	15.60	10.00	15.00	10.00	12.00
170,000	77,000	93,000	Cu.yd.	Conc. masonry in tunnel	6.90	17.90	7.50	13.00	8.00	11.90
3,500	3,000	500	Cu.yd.	Conc. masonry not included in Items 10 or 11	12.00	20.00	15.00	15.00	10.00	18.00
1,000	500	500	Cu.yd.	Excess conc. masonry in shafts and tunnel	3.00	3.00	3.00	3.00	3.00	3.00
1,250	500	750	M.F.B.M.	Permanent timbering in tunnel	60.00	150.00	35.00	150.00	25.00	120.00
100	50	50	M.F.B.M.	Temporary timbering in tunnel	60.00	15.00	100.00	100.00	100.00	110.00
7,500	3,000	4,500	Cu.yd.	Dry packing	2.00	10.00	1.00	4.00	1.00	4.00
2,000	1,000	1,000	Lin.ft.	Drilling holes in rock or masonry	1.00	.20	.50	.25	.50	.25
10,000	5,000	5,000	Lin.ft.	Steel pipe for grouting, etc.	.30	.30	.30	.20	.30	.25
1,000	500	500	.....	Connections for grouting	1.00	2.00	1.00	.50	1.00	.20
1,000	500	500	Ton	Sand for grout	.50	2.50	5.00	2.00	5.00	3.00
5,000	2,500	2,500	Cu.yd.	Mixing and placing grout	6.00	5.00	7.00	10.00	7.00	15.00
320,000	150,000	170,000	Bbl.	Portland cement	2.70	3.50	2.65	2.50	2.60	2.50
50,000	45,000	5,000	Lb.	Steel for reinforcing conc.	.06	.06	.08	.05	.05	.10
25,000	23,000	2,000	Cu.yd.	Earth excav. not included in Item 1	1.30	7.00	1.00	1.00	2.00	2.00
800	400	400	Cu.yd.	Rock excav. not included in Items 2, 3 or 4	5.00	10.00	4.00	7.00	4.00	4.00
25,000	24,000	1,000	Cu.yd.	Refilling and embanking	.40	5.00	1.00	1.00	1.00	2.00
5,000	5,000	.....	Cu.yd.	Removal of soil	1.30	3.00	1.00	1.00	.....	.....
3,500	3,500	.....	Cu.yd.	Surface dressing or top soil	1.00	3.00	1.00	1.00	.....	.....
1,000	1,000	.....	Cu.yd.	Impervious soil blankets and cores	1.00	5.00	5.00	1.00	.....	.....
5	5	.....	Acre	Seeding and grassing	100.00	1,000.00	500.00	300.00	.....	.....
375,000	350,000	25,000	Lb.	Miscellaneous cast iron, wrought iron and steel	.12	.10	.08	.10	.12	.20
12,500	11,000	1,500	Lb.	Galvanizing	.04	.05	.05	.05	.05	.05
9,000	7,500	1,500	Lb.	Miscellaneous bronze, brass and copper	.40	.50	.50	.50	.50	1.00
120,000	40,000	80,000	Lb.	Caring for and setting metalwork	.03	.03	.03	.03	.03	.07
600,000	.....	600,000	Lb.	Caring for and setting cast iron lining for shaft 8	.03	.03	.....	.....	.02	.07
1,800	1,800	.....	Lin.ft.	Tile pipe 6 in. and less in diameter	.50	.50	1.25	.50	.....	.....
2,200	2,200	.....	Lin.ft.	Tile pipe 8 to 12 in. inclusive in diameter	1.00	1.50	1.60	.75	.....	.....
250	250	.....	Cu.yd.	Ashlar masonry, except for copings	60.00	150.00	35.00	50.00	.....	.....
60	58	2	Cu.yd.	Ashlar masonry for copings	80.00	200.00	50.00	70.00	50.00	100.00
300	290	10	Cu.yd.	Paving	8.00	5.00	5.00	8.00	5.00	5.00
7,000	6,900	100	Cu.yd.	Crushed stone, gravel and sand	2.50	3.00	3.00	4.00	4.00	3.00
80	30	50	Lin.ft.	Reinforced concrete ladders	4.00	5.00	2.50	5.00	2.50	15.00
Construction of Shaft 1 in addition to compensation under other items					3,000.00	25,000.00	1,000.00	20,000.00	.....	.....
Construction of Shaft 8 in addition to compensation under other items					3,000.00	25,000.00	.....	.....	1,000.00	20,000.00
2,000	1,800	200	Lin.ft.	Construction of cir. sect. tunnel, Type P, in addition to compensation under other items	2.00	10.00	10.00	5.00	10.00	10.00
7,000	6,000	1,000	Lin.ft.	Fences for sanitary protection	1.50	2.00	.50	.60	1.50	2.00
25	5	20	M.F.B.M.	Timber and lumber not in tunnel or shaft	100.00	150.00	75.00	100.00	75.00	110.00
45	45	45	Mo.	Medical and hospital services	1,000.00	2,000.00	100.00	500.00	100.00	1,000.00
45	45	45	Mo.	Sanitary services	800.00	2,000.00	100.00	1,000.00	100.00	1,000.00
20,000	10,000	10,000	Lb.	Chlorinated lime	.08	.05	.15	.10	.15	.10
10,000	10,000	.....	Lb.	Liquid chlorine	.12	.12	.15	.20	.....	.....
4	4	.....	.....	Chlorine dosing machines	1,000.00	2,000.00	2,500.00	1,000.00	.....	.....
8	4	4	.....	Locker houses	3,500.00	10,000.00	600.00	5,000.00	600.00	7,500.00
				Cleaning up (lump sum)	8,000.00	50,000.00	1,000.00	1,000.00	1,000.00	30,000.00
Totals					$9,530,480	$13,598,275	$4,074,981	$6,569,450	$4,799,363	$6,549,275

Engineering News-Record, Issue of October 11, 1928.

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Plant, etc., Minneapolis, Minn., Minneapolis Gas Light Co., $5,000,000-$10,000,000.

Department store, Cleveland, O., Cleveland Universal Terminal Co., $3,000,000.

Apartment, etc., Chicago, Ill., Syndicate c/o A. L. Himeblau, archt., $2,500,000.

Store and office, New York, N. Y., Two Hundred Seventy B'way. Corp., R. A. Bowling, Pres., bids in December, $2,500,000.

Refinery plants, Texas, Texas Co., Houston (subsidiary Texas Co., 17 Battery Pl., New York), $2,400,000.

Retail store, Englewood (sta. Chicago), Ill., Wieboldt Stores, Chicago, $2,000,000.

Building board and paper mill, St. Helens, Ore. Fir-Tex Insulated Board Co. of Portland, $2,000,000.

Bank and office, Los Angeles, Calif., Owner, c/o H. S. Mackey, archt., $2,000,000.

Roads, Brownwood, Tex., Brown Co., voted, $1,650,000.

Storehouse, Somerville (br. Boston), Mass., First Nat. Stores, $1,500,000.

Bank and office, Albany, N. Y., National Savings Bank, bids after Jan. 1, $1,500,000.

Apartment, New York, N. Y. One Forty-Nine East 47th St., Corp., $1,500,000.

Hydro power development, High Falls, Que., D. MacLaren, et al., Buckingham, $1,500,000.

Hotel, Fairfax, Calif., Western Management & Finance Co., San Francisco, $1,250,000.

Bids Desired

Bridges, Alabama, Nov. 17, by Alabama State Bridge Corp., Montgomery, $5,000,000.

Factory, Windsor, Ont., Chrysler Corp. of Canada, bids about Nov. 1, $1,500,000.

Bids Received

Subway, Long Island City, N. Y., Bd. Transportation, J. H. Delaney, chn., Sect. 2, Route 108 from J. F. Cogan Co., Grand Central Terminal, New York, $8,245,000.

Contracts Awarded

Hydro-electric plants, Spain, Segura & Jugar Hydro-electric Development Co., to Fox Bros. International Corp., New York, est. $20,000,000.

Rayon plant, Asheville, N. C., American Enka Corp., to H. K. Ferguson Co., Hanna Bldg., Cleveland, O., est. $10,000,000.

Gas pipe line, Texas and Nebraska, Texas Corp., 17 Batery Pl., New York, pipe, to A. O. Smith Corp., 120 Bway., New York, $8,000,000-$9,000,000 total est. $25,000,000.

Subway, New York, N. Y., Bd. Transportation, J. H. Delaney, chn., Sect. 3, Route 18, to Clemente Contg. Co., $4,813,000.

Public Bond Elections, coming and decided, are listed on Construction News page 208.

Apartment, New York, N. Y., Bricken Constr. Co., separate contracts, $4,500,000.

Factory, Tonawanda, N. Y., Curtiss Airplane &Motor Co., to James Stewart & Co., New York, $3,000,000 cost plus percentage basis.

High school, New York, N. Y., Bd. Educ., general contract, to J. T. Brady & Co., and others totaling $2,857,146.

Railway, Ontario, Toronto Transportation Comn., Toronto, partly by day labor and partly by contract, $2,000,000.

Hotel, Toronto, Ont., Hotel Toronto, Ltd., to W. H. Yates Constr. Co., Ltd., est., $1,800,000.

Theatre and convention hall, Asbury Park, N. J., Bd. City Comrs., general contract to Turner Constr. Co., New York, and others, totaling $1,711,975.

Apartment, Chicago, Ill., B. L. Steif & Co., archts., to C. E. Erickson & Co., est. $1,500,000.

Office, Toronto, Ont., F. H. Wilkes, archt., general contract, to Anglin Norcross, Ltd., and excavation to G. L. Campbell Co., for owners, est., $1,500,000.

Apartment, New York, N. Y., Ashwood Realty Corp., separate contracts, $1,150,000.

Apartment, New York, N. Y., Seventy-Five Central Park West Corp., to Fred. T. Ley, est., $1,000,000.

Apartment hotel, Cleveland, O., Owners Investment Co., to Austin Co., est., $1,000,000.

Apartment and hotel, New York, N. Y., Sailors Snug Harbor, to William Kennedy, Brooklyn, est., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. Y., Haverstraw—Waterworks. $450,000 bonds voted for same.

N. J., East Brunswick (mail New Brunswick) — Twp. Com., Town Hall, mains valves, hydrants, tower tank, appurtenances. $120,000. R. P. Wilson, 46 Paterson St., North Brunswick, twp. engr.

Ind., Hobart—Preliminary plans water and light system. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted May 24.

Tex., Oakwood—City, c/o Mayor, complete waterworks and sanitary sewerage system. Koch & Fowler, 801 Central Bank Bldg., Dallas, engrs.

Bids Desired

N. Y., Brooklyn—Oct. 26, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Parrott Pl., Avenues R, T and Z, Lancaster, Narrows, Sheridan and 16th Aves., Bragg, Bristol, Hope, Hoyt, Messerole, McDonough and Richardson Sts.

N. Y., Herkimer—Oct. 29, by Municipal Comn., constructing Northern Supply Line and intake, 16 in. distribution line; also Herkimer Distribution Reservoir. C. L. Wood, supt.; adv. E. N.-R. Oct. 18.

N. J., Bayonne—Oct. 30, by Bd. City Comrs., City Hall, water supply. W. P. Lee, city clk.; adv. E. N.-R. Oct. 18.

Ala., Mobile—Oct. 26, by City Comrs., removing steam units, installing 5,200 g.p.m. centrifugal pumps at Bienville and Spring Hill pumping stations; installing 5,200 g.p.m. centrifugal pump in Spring Hill Booster Station. W. Smith, city engr.

Tenn., Memphis—Nov. 7, by Bd. Water Comrs., 15 m.g.d. steam turbine, reduction gear driven centrifugal pumping unit and condensing auxiliaries, 1 m.g.d. secondary hydraulic driven pumping unit. J. Sheahan, genl. supt.

Ill., Chicago—Oct. 23, by City, at office Bd. Local Impvts., c.i. water supply pipes, specials, castings, fire hydrants, valves, brick valve basins in 1 alley, West 43rd, 47th, 49th and 51st Sts., Caldwell, Jean, Wildwood, Tony, Lehigh, South Cicero, South La Crosse, South Lamon, South Laporte, South Lavergne, South Lawler, South Le Claire, South Leamington and South Laramie Aves. M. J. Faherty, pres.

Tex., Dalworth Park—Oct. 26, by T. E. Chenault, mayor pro. tem., c/o Grand Prairie Lumber Co., Grand Prairie, complete waterworks, incl. artesian well, 100,000 gal. tower and tank, 50,000 gal. rein.-con. or steel tank, 26,000 ft. 2- to 8-in. c.i. mains. H. B. McAllister, 519 North 12th St., Waco, engr. Noted July 12.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Wash., Seattle—Oct. 26, by Bd. P. Wks., 11,000 ft. 24 in. steel or c.i. main from Volunteer Park Reservoir to Queen Anne Standpipe. $150,000. W. D. Barkhuff, city engr. Noted Aug. 23.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas and Electricity, Municipal Bldg., New York, mains in Avenues K, M, T and Z, to Riverdale Waterworks Corp., 1 Riverdale Ave., New York, $8,666. Noted Aug. 23.

N. Y., Long Island City — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Northern Blvd., to Gregory Contg. Co., 351 East 124th St., New York, $24,444.

Pa., Phila. — Dpt. P. Wks., Bureau of Water, Contr. 940, to J. Bugger, 2124 East Cumberland St. $6,547; Contrs. 941 and 942, to Acme Machine Co., 27 North 38th St., $2,484 and $28,550 respectively. Grand total $37,581. Noted Sept. 20.

Pa., Pittsburgh — Two steel water storage tanks, foundations, retaining wall, excav. at Spring Hill Tanks, Lappe Lane, N. S., to Pittsburgh-Des Moines Steel Co., Neville Island, $23,850. Est. $25,000.

Miss., Alcorn—See "Buildings — Educational, Religious."

Miss., Ellisville—Mississippi State Building Comn., Jackson, well, tank and tower, piping, at Colony for Feeble Minded, to Alonzo Hayden, Inc., Pass Christian, $24,430; sewers, to J. Middleton, Ellisville, $4,648; road work, to Boddie Constr. Co., Laurel, $11,997. Grand total $41,075.

Mich., Royal Oak (Ind. br. Detroit) — For 2 motor driven centrifugal pumps, one with 2,500 g.p.m., other 5,000 g.p.m. capacity for North Woodward Ave. Booster Station, to Worthington Pump & Mfg. Co., 2 Park Ave., New York, $11,520.

Tex., Eden—City, c/o H. Miller, mayor, complete waterworks, incl. tank and tower, to R. T. Swilling & Co., 423 Mercantile Bldg., Dallas, $20,738. Est. $25,000. Noted Sept. 20.

Tex., Galveston—Mains across Galveston Channel from point of Pier 14 on Galveston Island to point on Pelican split, to J. Jacobson, 2311½ Ave. C., $25,000.

Calif., Oakland — Directors East Bay Municipal Utility Dist., to Ward Eng. Co., Comm. Union Bldg., San Francisco, Pardee Reserve Outlet Tower, $150,908; Jackson Creek Spillway and Dike, $167,481; South Spillway, $286,164. Grand total $598,553. Noted Sept. 27.

Calif., Ventura—Reservoir, to Carpenter Bros., 457 North Canyon Dr., Beverly Hills, $125,000. Noted Oct. 11.

See Proposal advertising on page 134

Constr. News page 203

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

This illustration shown here is a scene from an installation where Leadite was used with c. i. bell and spigot pipe.

These lines are in one of the fastest growing cities in the South. The speed of Leadite jointing makes it possible to lay pipe fast enough to keep up with the new building and real estate expansion.

In addition, Leadite joints are permanent. For over 30 years Leadite has been tested and used under all pipe laying conditions and has proven completely satisfactory.

The saving of labor time and advantages of using Leadite produce a saving of over 75% of the cost of making the joints.

Benefit by the experience of thousands of engineers, superintendents and contractors who have used Leadite.

Specify and use **LEADITE** It saves at least **75%**

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years

THE LEADITE COMPANY
Land Title Building - - Philadelphia, Pa.

NO CAULKING

Sewers

Proposed Work

N. Y., Buffalo—Sewers in Humboldt Park from Natural Science Bldg. to Herman St. C. E. P. Babcock, Municipal Bldg., engr.

N. J., Hillside—Twp. Com., Town Hall, storm sewer in section north of Lehigh Valley R.R. $546,916. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., Millburn—Township Com., Town Hall, preliminary plans lateral storm sewers in streets west of west branch Parkway River. $75,000. E. R. Halsey, 79 Academy St., Newark, engr.

N. J., Union—Twp. Com., sanitary sewers in Argentine, Woldorf, and Tebe Places, $25,000; Tuxedo Pl., Boston and Amboy Sts., $30,000. H. Kreh, Falls Bldg., twp. engr.

Pa., Pittsburgh—Dpt. P. Wks., soon takes bids 15, 18, 36 and 42 in. relief sewer in 2nd Ave. between Lydia Way and Sullivan St. $42,000.

Ill., Galesburg—Gales Sanitary Dist., intercepting sewers $158,348; disposal plant $303,900; storm relief $265,150; Cedar Fork Improvement, $460,800; general work $118,812. Total $1,307,000. Election Nov. 6, $640,000, toward cost. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Ill., Rockford — Rockford Sanitary Dist., intercepting sewers. $500,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

N. D., Watford City—Sanitary sewerage system. $40,000. E. J. Thomas & W. Peterson, Minot, engrs.

Mont., Miles City — Soon takes bids sewers. To exceed $25,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Sept. 13.

Ark., Osceola—Preliminary plans sewerage system in Sewer Impvt. Dist. 5. T. H. Allen, 65 McCann St., Memphis, Tenn., engr.

Ark., Waldo—Preliminary plans sanitary sewers. To exceed $25,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Tex., Ennis — City, c/o C. W. Bryant, mayor, improving sewerage system. $25,000.

Tex., Oakwood—See "Waterworks."

Tex., Port Arthur — Sanitary sewer improvements from Woolworth Bldg. to Beaumont Rd. and other sections. $30,000. W. O. Bower, city engr.

Ont., Hanover—Council, sewage disposal plant, sewerage system. $142,000. Ontario Eng. Co., Fort Erie, engrs. Noted July 19.

Ont., Sandwich — East Sandwich Twp. covered drain storm relief sewer in Tecumseh Rd. $125,000. Newman & Armstrong, Davis Blk., Windsor, engr. Noted Oct. 4.

Ont., Toronto—York Twp. soon takes bids 6,000 ft. 8 in. and up vitr. tile sewers in Eglinton, Locksley and Lacey Aves. $37,188. F. B. Goedike, 40 Jarves St., engrs.

Ont., Weston—Town Council, 2 mi. 8 in. and up in open cut vitr. tile, concrete sewers. $100,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Oct. 11.

Bids Desired

Mass., Newton (Ind. br. Boston)—Oct. 24, by G. E. Stuart, street comr., City Hall, vitr. sewers. To exceed $25,000.

N. Y., Long Island City — Oct. 24, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Laurel Hill and Sutphin Blvds., 56th, 6th and Brinkerhoff Aves., Bliss, La Forge, 68th, Van Horn, Beddard, Ray, 172nd, 108th, 121st, Tuckerton, 77th and Beach 136th Sts.

N. J., East Orange—Oct. 22, by Bd. City Council, City Hall, storm water drain in Lloyd Brook Valley between Hamilton St. and Bloomfield town line and in Lawrence St. $30,000. Former bids rejected. E. Willigerod, city engr.

N. J., Rutherford—Bd. City Council, City Hall, taking bids storm water drains in Feronia Way, Nevins St., Rutherford, Crane Van Riper, Noller and Babcock Aves. W. G. Innen, city engr.

Ky., Sturgis — Oct. 22, by City Clerk, sewers, disposal plant. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo. ,engrs.

Mich., Pontiac—Oct. 26, by H. A. Maurer, city clk., 2,521 12- to 36-in. vitr. and rein.-con. storm and 2,574 ft. 6- to 18-in. vitr. sanitary sewer in Whittemore St. $50,000. J. R. Pollock, City Hall, engr.

Ont., Port Colborne — Oct. 22, by H. F. Johnston, town clk., 20,000 lin.ft. sanitary sewers, 7 sewage pumping stations. $75,000. Wynne Roberts Son McLean, 44 Victoria St., Toronto, engrs. Noted Aug. 30.

Contracts Awarded

Mass., Worcester—City, A. B. Holstrom, supt., constructing brick, concrete pumping station, to A. N. Booth, Adams St., $16,475. Noted Oct. 4.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, sanitary sewers in Seneca Turnpike, to Bird & Street Bros. Constr. Co., 815 Free St., $209,915.

N. J., Newark — Bd. City Comrs., City Hall, relief sewer in 2nd Ave., to Petrozello Bros., 335 Valley St., South Orange. Est. $50,000. Noted Sept. 13.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Survey, to Trio Constr. Co., 212 North 65th St., branch sewer in Atwood Rd. and Harlan St. $10,875, 66th St. $3,916; to Leva Bros., 104 West Gale St., Broad St. $10,151, Limekiln Turnpike $10,154, Michener St. $12,478; to M. J. Driscoll, 160 Apsley St., Coulter St. $15,968; to A. Mattia, 748 South 10th St., 59th St. $6,494, Sheffield St. $3,786, Unruh Ave. $9,523; to J. J. McHugh, 1617 Race St., Godfrey Ave. $14,680, Hasbrook St. $14,680; to James T. McDonnell & Co., 2313 South Front St., Lenape Rd. $20,648; to A. McMichael, 506 West Lindley Ave., Lindbergh Blvd. $1,848, St. Lukes St. $1,739; to Sabatini Vallone & Co., 2008 McKean St., Marvine St. $5,585, 13th St. $6,301, Woodcrest Ave. $8,427; to A. Di Sandro & Son, 6400 North 5th St., Mt. Pleasant Ave. $15,208; to E. Ventresco, 6016 Ross St., 3rd St. $1,594; to P. and A. J. Ellis, Inc., 4th and Wyoming Sts., Park Ave. $8,628, main sewer in Sheffield and Crabtree Sts. $32,159. Grand total $214,842.

Miss., Alcorn—See "Buildings — Educational, Religious."

Miss., Ellisville—See "Waterworks."

Ky., Princeton—Sanitary sewers, disposal plant, to Carey-Reed Co., Lexington, $213,527.

O., Cleveland—Cuyahoga Co., 1,600 ft. concrete sewer in Cranwood Dr. (Impvt. 905), to H. J. Scott Constr. Co., 4816 Brookpark Rd., $32,160.

O., Cleveland — Southerly Intercepting Sewer connection to Bway. by route of East 33rd St., 3,832 ft. 4 ft. circular brick pipe, to Winterbottom-Connelly Co., 1406 West 25th St., $116,580.

Ill., Chicago — Bd. Local Impvts., City Hall, drains in West 81st Pl., West 81st, Eddy, Roscoe, Henderson and Melrose Sts., Kingston, Lowe, South Claremont, South Oakley, Cornelia and Newport Aves., to M. Murphy, 5753 South Peoria St.; Hyacinth St., to N. R. Rainieri, 5036 Montana St.; North Merrimac Ave., to A. Scully, 4504 Wrightwood Ave.; East 123rd St., South Kostner, South Tripp and South Kildare Aves., to A. Santucci, 619 South Ashland Blvd. Noted Sept. 20.

Ill., Jacksonville—City, North Side Sewage Disposal and Treatment Plant, to R. McCalman, Inc., Danville, $124,286. Est. $149,624. Noted Sept. 27.

Okla., Weatherford—R. Dickerson, city clk., 10,420 ft. 8- to 15-in. vitr. clay outfall sewer, disposal plant, Imhoff tank, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $36,386. Est. $45,000. Noted Sept. 20.

Ont., Walkerville — See "Streets and Roads."

Waste Disposal

Bids Desired

N. Y., Brooklyn—Oct. 29, by Brooklyn Ash Removal Co., Inc., at office Dpt. Street Cleaning, Municipal Bldg., New York, installing furnaces, air preheaters, flues, for 3 complete incinerator plants. E. L. Collins, ch. engr.; adv. E. N.-R. Oct. 18.

Contracts Awarded

N. Y., Brooklyn—Brooklyn Ash Removal Co., Dpt. Street Cleaning, Municipal Bldg., New York, furnishing and driving piling, timber, dock work, bulkheads, concrete foundations and superstructures, Newtown Creek, to United Fireproofing Co., 8 West 40th St., New York, $514,398. Noted Sept. 27.

Bridges

Proposed Work

Pa., Pittsburgh — See "Streets and Roads."

Pa., Pittsburgh—New bridge over Pennsylvania R.R., on Aiken Ave. $200,000. Dpt. P. Wks., Bureau of Bridges, engrs.

Mich., Port Huron—Pere Marquette Ry., Fort St. Union Depot, Detroit, H. A. Cassil, ch. engr., 3 span new railroad bridge over Black River and Pere Marquette Ry.

Minn., Clearwater—Wright Co. (Buffalo) and Sherburne Co. (Elk River), concrete bridge over Mississippi River. $25,000. E. R. Anderson, aud. Wright Co.

Kan., Wellington—Sumner Co., six 40 ft. span steel girder bridge. G. Roseberry, Wellington, engr.

Kan., Wellington—Sumner Co. one 30 ft. and seven 80 ft. span steel truss bridge or one 30 ft. and eleven 50 ft. span deck girder bridge over Arkansas River. J. W. Mavity, Wellington, engr.

Tex., Karnes City—Karnes Co., 1,600 ft. timber, steel vehicular bridge across San Antonio River, on Hy. 16. $60,000. E. L. Marek, Karnes City, resident engr.

Okla., Laverne—State Hy. Comn., Oklahoma City, 12 span 260 ft. pile trestle bridge over North Canadian River, near here, Harper Co. $40,000. C. R. Mandigo, Oklahoma City, engr.

Colo., Lamar — State Hy. Dpt., Denver, soon takes bids 6 span 200 ft. concrete, steel bridge, 20 ft. roadway over Arkansas River. $250,000. L. D. Blauvelt, Denver, engr. J. D. Bell, Pueblo, div. engr.

Calif., Knights Landing — Sutter Co. (Yuba City) and Yolo Co. (Woodland) preliminary plans steel bascule span bridge with concrete or steel approach spans over Sacramento River. $300,000. A. G. Proctor, engr. Yolo Co., Woodland.

Ont., Port Arthur—City Council, concrete, rein.-con. bridge over Canadian Natl. and Canadian Pacific Rys., on 4th Ave. $100,000. J. A. Antonisen, City Hall, engr.

Ont., Toronto—North York Twp., 830 ft. steel truss bridge over Don River, on Bayview Ave. $200,000. Margison & Babcock, Royal Bank Bldg., engrs.

Bids Desired

Vt., Bethel—Oct. 19, by State Hy. Comn., Montpelier, concrete bridge, approaches. $25,000 or more. S. B. Bates, State House, Montpelier, hy. comr.

N. Y., New York—Oct. 24, by A. Goldman, comr. Plant & Structures, Municipal Bldg., East 238th St. bridge over Bronx River Valley.

N. J., Maplewood (br. South Orange)—Oct. 23, by Bd. Freeholders Essex Co., Court House, Newark, rein.-con. bridge, on Dunnell Rd. $25,000. W. H. Stickel, Hall of Records, co. engr.

Pa., Mercer—Oct. 24, by Comrs. Mercer Co., Bridge 3006, 128 ft. riveted through Pratt truss span, 24 ft. roadway; and Bridge 3007, 34 ft. concrete I-beam span, both Springfield Twp. E. J. Jones, co. clk.; adv. E. N.-R. Oct. 18.

North Carolina—Oct. 30, by State Hy. Comn., Raleigh, rein.-con. bridges on Project 6460, Lincoln Co., $38,600—Project 5310, Guilford Co., $53,000—Projects 2430 and 4820, Johnston and Wake Counties, $33,000. L. R. Ames, Raleigh, engr.

Alabama—Nov. 7, by State Hy. Comn., Montgomery, bridges, culverts on road between Montgomery and Orion, Montgomery Co.; on road between Oxford and Wedowee, Calhoun and Cleburne Counties.

Alabama — Nov. 27, by Alabama State Bridge Corp., W. Finnell, pres., at office State Hy. Dpt., Montgomery, bridges across Alabama River at Claiborne and Camden—across Coosa River, Cedar Bluff, Riverside and Childersburg—across Tennessee River, Scottsboro, Guntersville and Whitesburg—across Tombigbee River, Pickens Co., Jackson, Butler, Epes, Gainesville across Warrior River, Demopolis and Eutaw. $5,000,000; adv. E. N.-R. Oct. 18.

Illinois—Oct. 31, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, two 23 ft. span rein.-con. slab bridge, Route 18, Sect. 17-B-1, two 28 ft. rein.-con. slab bridges, three 42 ft. span rein.-con. girder bridge, Route 69, Sects. 121 and 122-B, La Salle Co.—two 28 ft. rein.-con. slab bridges, Route 130, Sect. 126-B, Edwards Co.—53 ft. rein.-con. girder and two 58 ft. span overhead bridge, Route 64, Sect. 130-V-1, Du Page Co.—one 17 ft. span rein.-con. slab overhead bridge, Route 164, Sect. 119-VB, Tazewell Co.—80 ft. rein.-con. substructure and four 30 ft. slab approach spans, also one 80 ft. steel superstructure, Route 144, Sect. 101-B and C, Jackson Co. F. T. Sheets, ch. engr.

Kan., Belvue—Nov. 2, by W. I. West, clk. Pottawatomie Co., Court House, Westmoreland, viaduct, near here. L. F. Whearty, Westmoreland, engr.

Arizona — Oct. 29, by State Hy. Comn., Phoenix, Black River Bridge, Rice-McNary Hy., 100,000 lb. structural steel, 568 sq.yd. sand asphalt, 548 lin.ft. link fabric and 230 lin.ft. guard fence. W. C. Lefebvre, hy. engr.

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The Invisible Superintendent at the Mortar Box

Prevents Fading of Colors

THE permanence of the mortar color in the joint depends not only upon the pigment selected but upon the mortar with which it is mixed. Too frequently the desired effect of harmony or contrast is entirely lost by the use of a mortar that fades the color and causes a washed-out appearance of the joint.

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BRIXMENT

for Mortar and Stucco

Bridges—(Continued)

California — Oct. 24, by C. H. Purcell, state hy. engr., Sacramento, concrete girder bridge across Las Encinas Creek, 3 mi. south of Carlsbad, San Diego Co.; one 20 ft. girder type rein.-con. bridge over Prima Desecha Canada, one 15 x 80 ft. span concrete arched culvert, Orange Co., for State Hy. Dpt., Sacramento.

California — Oct. 30, State Hy. Comn., Sacramento, repairing bridge over Sacramento River consisting one 320 ft., one 180 ft., one 60 ft. and one 40 ft. steel truss span and 787 ft. timber trestle of which 90 ft. west approach needs no repairs, point 1 mi. east of Redding, Shasta Co., constructing 50 ft., 38 ft., 34 ft., 30 ft. and 28 ft. rein.-con. steel overhead crossing over Atchison Topeka & Santa Fe R.R., Orange Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Contracts Awarded

Vermont — State Hy. Dpt., Montpelier, bridge and approaches Stockbridge, to L. E. McLaughlin Co., Inc., 217 Jefferson Ave., New London, Conn., $53,659.

Mass., Easthampton—Dpt. P. Wks., Boston, 230 ft. steel bridge with bituminous macadam approaches, to A. P. Rounds, 58 Montvale Ave., Stoneham, $95,396. Noted Sept. 27.

Rhode Island—State Bd. P. Roads, Providence, Greenwood Temporary Bridge and Bridges 127 and 128, Warwick, to W. F. Curtis Constr. Co., 19 Dexter St., Providence, $10,399; bridge in Tiverton, to Hogan & Thibodeau, Eden Park, Providence, $10,399.

Conn., Bridgeport—Concrete, steel bridge over Ash Creek to Leverty & Hurley, 500 Waterview Ave., $22,245. Est. $35,000.

N. Y., Long Island City—W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, bridge over Myrtle Ave., Forest Park, to J. J. Kennedy, 1275 Bergen St., Brooklyn, $46,796. Noted Sept. 20.

New Jersey—State Hy. Comn., Trenton, rein.-con., steel bridge over Pennsylvania Tunnel and Terminal R.R., Hudson Co., to Bergoff-Clemente Contg. Co., 473 Bway., Bayonne, $49,447. Noted Sept. 20.

N. J., Cedargrove—Essex Co., Hall of Records, Newark, rein.-con. bridge over Love Lane, to Connor & Harrison, 235 Dwight St., Jersey City. Est. $25,000.

Pa., New Castle — Comrs. Lawrence Co., Court House, 1 span, 170 ft. bridge over Connoquinessing Creek at Rapps Mill, to Farris Eng. Co., Empire Bldg., Pittsburgh, $35,500. Est. $40,000.

Tenn., Smokey Junction (mail Smokey)—Rein.-con. arch bridge over New River, to Steel & Lebby, Holston Bank Bldg., Knoxville.

Ky., Prestonburg—Floyd Co., two 500 ft. rein.-con. arch bridges, each 126 ft. high over Big Sandy River; one underpass and approach ramp under Chespeake & Ohio R.R., to Steel & Lebby, Holston Bank Bldg., Knoxville, Tenn.

Indiana — J. D. Williams, dir. State Hy. Comn., Indianapolis, bridges on roads in Lake Co., to O. E. Nichols, Hebron, $24,-903—Porter Co., to R. H. King, Danville, $14,557—Wabash Co., to R. F. Apple, Indianapolis, $22,353—Kosciusko Co., to Elkhart Bridge & Iron Co., Elkhart, $7,597—Wabash Co., to F. A. Clements Co., Williamsburg, $10,838—Wayne Co., to R. L. Schutt, Indianapolis, $17,811 — Randolph and Wayne Counties, to I. E. Smith Constr. Co., Richmond, $8,015 and $25,814 respectively—Adams Co., to W. H. Grammer & Son, Evansville, $44,111—Laporte Co., to Kriezick Bros., Winamac, $18,240—Monroe Co., to Ryan & Ryan, Washington, $26,183—Warren Co., to R. P. Olinger, Huntingburg, $68,092 — Delaware Co., to Burk Constr. Co., Newcastle, $26,827—Jay Co., to R. H. King, Danville, $13,153—Jay Co., to Tharp & Tharp, Fountain City, $17,283. Grand total $345,777. Noted Sept. 27.

Kan., Belleville—See "Streets and Roads."

Kan., Norton—See "Streets and Roads."

Wash., Cashmere—Comrs. Chelan Co., Wenatchee, 415 ft. steel, concrete bridge, near here, to H. Hagman, Wenatchee, $52,-203. Est. $55,000. Noted Sept. 6.

California—State Hy. Dpt., Sacramento, 2 timber trestles on pile bents, concrete pedestals over Arroyo de la Cruz and San Carpojo Creek, San Luis Obispo Co., to C. & F. W. Steffgen, Spreckles Bldg., San Diego, $25,206.

Calif., Aptos — Santa Cruz Co. (Santa Cruz) rein.-con. bridge, on Santa Cruz-Watsonville Hy., to Thompson Bros., Santa Cruz, $38,009.

Calif., Los Angeles — Los Angeles Co., timber bridge, on Lower Azusa Rd., to E. G. Perham, 1128 Stearns Dr., $42,950.

Ont., Toronto—Mount Pleasant Cemetery, Yonge St., 3 span 190 ft. rein.-con. bridge in Mount Pleasant Cemetery, to Corbett Constr. Co., 56 Maitland St. Est. $30,000.

Dams

Bids Desired

Wis., Mirror Lake—Oct. 23, by Dells Manor, Inc., concrete gravity dam 21 ft. high, 80 ft. long, 4 mi. from Kilbourn, incl. 600 cu.yd. earth and 300 cu.yd. rock excav., 700 cu.yd. concrete. H. V. Tennant, Portage, consult. engr.

Contracts Awarded

Conn., Sharon—H. A. Hatch, earth dam, to Kuchar Bros., Montvale, N. J., $35,000.

Ontario—J. W. Pugsley, secy. Dpt. Railways & Canals, concrete dam at Lock 25, Trent Canal, to Detroit River Constr. Co., Labele Bldg., Windsor. Noted Aug. 9.

Railways

Proposed Work

Texas—Houston North Shore Co. (subsidiary New Orleans, Texas & Mexico Ry. Co., C. S. Kirkpatrick, ch. engr., Houston), extending 9 mi. railroad from point near Green's Bayou to connect with main line near San Jacinto River.

Ontario — Toronto Transportation Com., Yonge and Front Sts., Toronto, D. W. Harvey, ch. engr., double tracking Lake Shore Radial between Toronto and Port Credit, incl. concrete founds., street railway rails, wooden ties, trolley wires, poles. Work will partly be done by day labor and partly by contract. $2,000,000.

Contracts Awarded

Michigan—J. E. Mills, comr. Purchases & Supplies, Marquette Bldg., Detroit, 925 tons 100 lb. A. R. A. rail for street railway replacements and extensions, f.o.b. Detroit, for Dpt. Street Railways, St. Jean and Shoemaker Aves., to Bethlehem Steel Co., Bethlehem, Pa., at $51.70 per ton.

Manitoba—Winnipeg Electric Co., Winnipeg, 14 mi. railroad in Winnipeg, to Carter, Halls & Aldinger, Royal Bank Bldg.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

O., Portsmouth — State Hy. Dpt., Columbus, G. M. Anderson, div. engr., preparing plans straightening channel Scioto River near here, putting in jetties, steel, concrete work along river.

Mich., Saginaw—See "Unclassified."

Tex., Brownsville — Dixie Development Co., c/o A. R. Jones, 900 Land Bank Bldg., Kansas City, Mo., and Brownsville, soon takes bids irrigation projects incl. 3 pumping plants with river pump and 2 relifts, at Laguna Vista, near here.

Tex., Houston—State Fish, Game & Oyster Comn., c/o W. J. Tucker, Austin, 20 ponds, each 1 acre in area, from 6 in. to 5 ft. deep, walks, landscaping, bungalows, $100,000. J. C. McVea, City Hall, assistant engr.

Bids Desired

Mass., Boston—Oct. 25, by Metropolitan Dist. Comn., Boston, river wall south from Cambridge St., Brighton Dist., incl. 6,000 cu.yd. excav., 5,000 cu.yd. filling material, 1,500 tons riprap, 16,000 lin.ft. woodpiles, 51,000 ft. lumber, 900 cu.yd. stone masonry, 530 lin.ft. stone coping. J. R. Rablin, dist. engr.

Mass., Lynn—Oct. 23, by Comn. on Ways & Drainage, City Hall, bulkhead. $250,000. Morris-Knowles, Westinghouse Bldg., Pittsburgh, Pa., engrs. Noted Oct. 11.

N. Y., Rye—V. Green Co., Inc., Greenhaven, bids about Oct. 20, dredging, filling, bulkhead for waterfront development, $75,000. F. R. Harris, 551 5th Ave., New York, concrete engr. Noted Oct. 11.

Miss., Greenwood—See "Contracts Awarded."

Michigan—Oct. 30, by L. R. Doane, drain comr. Ingham Co. (Mason), 15 mi. McCrea Drain, Ingham and Shiawasse Counties. $90,000. Wolverine Eng. Co., Mason, engrs. Noted June 28.

Ill., Walnut—Oct. 24, by Comrs., Union D. D. 1 Lee Co., East Grove and Hamilton, at office G. H. Fox, atty., Walnut, 9,500 ft. ditch work, incl. 24,290 cu.yd. excav. L. B. Neighbour, Dixon, engr.

Ill., Watseka—Oct. 20, by Comrs. Crescent and Iroquois D. D. 2, Iroquois Co., Court House, 27,800 ft. main ditch, incl. 54,463 cu.yd. excav., 4,750 ft. branch ditch, 8,224 cu.yd. excav. Mac T. Nicholes, clk.

Ia., Algona—Oct. 25, by Bd. Supervs. Kossuth Co., D. D. 177, Sect. 1, 98,000 cu.yd. open ditch excav.; Sect. 2, 16,700 ft. 6- to 30-in. tile, 25 intakes, 18 corrugated culvert pipes, 2 rein.-con. headwalls. B. E. Johnson, co. aud.

Calif., Merced—Oct. 30, by H. P. Sargent, secy., Merced Irrigation Dist., shaping, constructing 4 mi. existing canals, installing sidegates, other structures; furnishing 10 complete motor driven drainage pumps; drilling, casing; 10 drainage wells; 4,000 bbl. portland cement.

Calif., Westley—Oct. 27, by E. Smith, secy. West Stanislaus Irrigation Dist., 7 x 15—240 ft. and 7 x 15—80 ft. rein.-con. canal syphons under railroad tracks and main hy., 500 yd. concrete, miscellaneous tunnels, excav.

Contracts Awarded

N. Y., Buffalo—G. Fisk, comr. P. Wks., Municipal Bldg., rock excav. in Buffalo River to new channel line opposite the Huron Portland Cement Co., to Dunbar-Sullivan Dredging Co., Erie County Bank Bldg., $78,300. Noted May 31.

N. J., Bradley Beach—Two rock, timber jetties on beachfront, to Woolley & Howland, Long Branch, $25,108. Noted Sept. 13.

N. J., Orange—Bd. City Comrs., dredging, enclosing Wigwam Brook with concrete where needed, to K. R. Crane, City Hall. Est. $30,000.

Miss., Greenwood—Big Sand D. D., c/o A. Bruce, levee work, incl. clearing, grubbing, 100,000 cu.yd. excav., own forces.

O., Lakewood (br. Cleveland)—Breakwater along Lake Erie, Lakewood Park, to Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland, $70,550. Noted Sept. 27.

Mich., Detroit—Dpt. Parks & Boulevards, Marquette Bldg., 1,940 ft. rein.-con. seawall at Memorial Park, to Candler Dock & Dredge Co., 8145 Medina Ave., $116,400. Noted Oct. 4 under "Unclassified."

Calif., Turlock—Turlock Irrigation Dist., 556,587 sq.ft. 2 in. concrete canal lining, to J. E. Alldrin, Turlock, $23,565.

Ont., Toronto — Toronto Terminals Ry. Co., New Union Sta., J. W. R. Ambrose, engr., 220 ft. rein.-con. retaining wall, 20 ft. high, to Richardson & Mason, foot John St. Est. $25,000.

Ont., Kingston—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging, to R. G. Weddell, Trenton, $11,115. Noted Aug. 16.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., State House, Boston, laying out, constructing Rodman and Auburn Sts., Mt. Bowdoin Terrace and Mercier Ave. as highway in Dorchester and Roxbury. To exceed $25,-000. J. H. Sullivan, comr.

Mass., Boston—Dpt. P. Wks. layingout, reconstructing Foster St., Hyde Park and Hillside Ave., West Roxbury as hy. $25,-000. J. H. Sullivan, comr.

Conn., Waterbury — Rein.-con. paving Chase Park Blvd. (entire) part of Congress Ave. $82,500. R. A. Cairns, City Hall, engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, preliminary plans grading, sheet asphalt on 6 in. concrete paving Fay Ave. from South St. to Bayway. $25,000. T. Collins, city engr.

N. J., Elizabeth—Bd. P. Wks., City Hall, preliminary plans widening, resetting curbing, sheet asphalt on 6 in. concrete paving East Broad St. $35,000. T. Collins, city engr.

N. J., Hackensack — Hackensack Impvt. Comn., preliminary plans grading, curbing, sidewalks, gas, water and sewer connections, 6 in. bituminous macadam paving Ames St. and Garibaldi Ave. $50,000. F. Campbell, city engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading 6 in. bituminous macadam paving Hopper and Vincent Sts. $40,000. F. Campbell, city engr.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, curbing, sidewalks, 6 in. bituminous macadam paving Kent St. $30,000. F. Campbell, city engr.

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Streets and Roads (Continued)

N. J., Jersey City—Bd. City Comrs., City Hall, grading, sheet asphalt on concrete paving Ocean Ave. $50,000. C. A. Van Keuren, city engr.

N. J., Jersey City—Bd. Blvd. Comrs., Court House, preliminary plans grading, sheet asphalt on concrete paving Boulevard East from 17th to 35th Sts., in Weehawken and North Bergen. $58,000. F. J. Radigan, Court House, co. engr.

N. J., Plainfield—Common Council, City Hall, preliminary plans grading, macadam paving Hillcrest Ave. from Front to 2nd Sts. $25,000. A. Vars, city engr.

N. J., Plainfield — Common Council, City Hall, preliminary plans widening, repairing, grading, sewers, hydrants and sidewalks on South End Ave. from Park to Woodland Aves. $25,000. A. Vars, city engr.

N. J., Roseland—Bd. Council, Boro Hall, bituminous macadam paving Lincoln and Cortland Sts. $25,000. Reilly & Reimers, 275 Bloomfield Ave., Caldwell, engrs.

N. J., Saddle River—Twp. Com., Lincoln School, preliminary plans grading, curbing, sidewalks on Rochelle Parkway and Belle Vista Ave. $27,000. A. Noack, 236 Main St., Hackensack, twp. engr.

N. J., South Orange — Bd. Freeholders Essex Co., Court House, Newark, preliminary plans grading, sheet asphalt on concrete repaving South Orange Ave. $100,000. W. H. Stickel, Hall of Records, Newark, co. engr.

N. J., Westfield — Town Council preliminary plans macadamizing Fairmount Ave. $25,000. J. Hopkins, town engr.

Pa., McKees Rocks — Comrs. Allegheny Co., Court House, Pittsburgh, repaving Island Ave. $53,000.

Pa., Pittsburgh — New approaches to Elizabeth Street Bridge, over Baltimore & Ohio R.R. $140,000. Dpt. P. Wks., Bureau of Bridges, engrs.

Pa., Pittsburgh — Soon takes grading, paving General Robinson, Lacock, Reedsdale Sts., $600,000; Island Ave. $36,800.

Pa., Pittsburgh—Soon takes bids grading, paving Preston St. between Milnor and Mueller Aves. $31,000. Dpt. P. Wks., City-County Bldg., engrs.

Miss., Union—Preliminary plans grading, curbing, concrete paving. $75,000.

La., New Orleans—Asphalt on concrete surfacing 16 blocks Bway. and Lowerline Sts. $85,000.

O., Cincinnati — Concrete curbing, concrete repaving 6,850 sq.yd. Rhode Island Ave. $42,515. C. O. Sherrill, city mgr.

Mich., Detroit—Stone or concrete curbing, 3½ in. sheet asphalt on 8 in. concrete paving 18,900 sq.yd. Omira, Sussex and Indiana Aves. $61,450. P. A. Fellows, City Hall, engr.

Mich., Detroit—Stone or concrete curbing, 3½ in. sheet asphalt on 8 in. concrete paving 31,450 sq.yd. 7 avenues. $102,490. P. A. Fellows, City Hall, engr.

Ill., East St. Louis—Soon takes bids 8 in. concrete paving 7,100 sq.yd. 35th St. $39,100—5,080 sq.yd. 61st St. $22,600—4,820 sq.yd. 60th St. $22,700. W. McK. Brown, City Hall, engr.

Ill., Monmouth—Warren Co. graveling roads. $35,000 or more. C. L. McClanahan, Court House, engr.

Ill., Wilmette—Asphalt on brick surfacing 2 mi. Linden and Elmwood Aves., 18 and 21 ft. $100,000. C. N. Roberts, 105 North Clark St., engr.

Kan., Phillipsburg—Phillips Co. grading, culverts 9.213 mi. U. S. Road 36, Federal Aid Project 345-C, 30 ft. F. Shepherd, Phillipsburg, engr.

Montana—State Hy. Comn., Helena, bids probably in December, grading 1 mi. Bad Rock Canyon Rd., 24 ft. Flathead Co. $30,000. R. D. Rader, state hy. engr.

Mont., Butte—Paving West Park St. $40,000; South Colorado St. $60,000. M. Walsh, city engr.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, alternate types paving Oriole and Geyer Sts., Dewey and Knox Aves.; reconstructing Lemp Ave., Oregon, Ohio, 4th and St. Charles Sts. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, alternate types paving Alexander, Armstrong, Blow, Dempsey, Eichelberger, Esther, LaSalle, Lloyd, Mimika, Osage, President, Spring, Upton and Walbridge Sts. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, asphalt, warrenite or amiesite paving California and Humphrey Sts., Tower Grove and Westminster Places, Ohio, Texas, Cates and Park Aves. W. W. Horner, city engr.

Ark., Searcy — Soon takes bids grading, curbing, concrete paving 15 blocks Street Impvt. Dist. 13. $45,000. Noted June 28.

Texas—State Hy. Dpt., grading, bridging 5.094 mi. Henderson Co., $30,000—13.579 mi. Childress Co., $75,000—12.12 mi. Leon Co., $65,000, all 26 ft. wide. G. Gilchrist, hy. engr.

Tex., Galveston—Galveston Co., c/o E. B. Holman, judge, Galveston, durable type paving 3.3 mi. Rd. 6A from Texas City cut-off on Hy. 6 to Texas City, also eliminating 4 railway grade crossings, $140,000. C. C. Washington, Galveston, co. engr.

Tex., Longview — Gregg Co. soon takes bids widening, asphalt surfacing Hy. 15 extending east from Gladewater. $30,000. Address County Engineer, Longview.

Tex., Port Arthur—Grading, shelling, improving 50 blocks. $70,000. W. O. Bower, city engr.

Tex., Raymondville — Willacy Co. preliminary sketches improving 22 mi. hy. from here to Red Fish Bay. $100,000. J. E. Johnson, Raymondville, co. engr.

Tex., Rusk — Cherokee Co., grading, bridging 11.1 mi. Hy. 40 from Jackson to Anderson Co. line, $90,000; 8.4 mi. Hy. 43 from Jacksonville to east line of Road Dist. line, $65,000. G. A. Bracher, Jacksonville, engr.

Tex., San Angelo—Paving 9 blocks. $75,000. Address E. V. Spence, city mgr.

Oklahoma — State Hy. Dpt., Oklahoma City, concrete paving 21,150 sq.yd. Hy. 77, Garvin Co. $50,000. C. R. Mandigo, Capitol Bldg., Oklahoma City, engr.

Oklahoma — State Hy. Dpt., Oklahoma City, grading 8 mi. Hy. 14, 30 ft., $25,000—concrete slab surfacing 21,120 sq.yd. U. S. Hy. 64, $48,000. C. R. Mandigo, hy. engr.

Okla., Ada—Grading, paving 7 blocks Stockton Ave., 30 ft. To exceed $25,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Altus—Concrete paving 5,450 sq.yd. Hickman St. $28,150; 7,100 sq.yd. Wayne St., $30,440. J. C. Chisum, Altus, engr.

Okla., Anadarko—Grading, concrete paving 10,600 sq.yd. Oklahoma St. $31,000. R. O. Bradley, Chickasha, engr.

Okla., Britton—Preliminary plans grading, paving 8 blocks Bway., 30 ft. $25,000. J. Hassler, engr.

Okla., Clinton—Grading, concrete paving 11,800 sq.yd. Hays Ave. $36,266. Benham Eng. Co., 1106 Perrine Bldg., Oklahoma City, engrs.

Okla., El Reno—Grading, concrete paving 8,800 sq.yd. Canadian and North Bickford Sts. $25,000. E. W. Fassett, El Reno, engr.

Okla., Enid—Grading, concrete paving 9,440 sq.yd. Medford St. $28,660. F. C. Magruder, Enid, engr.

Okla., Gage—Preliminary plans grading, concrete paving 11,000 sq.yd. Main St. $35,000. F. E. Devlin, Wichita, Kan., engr.

Okla., Guymon—Grading, concrete paving 10,600 sq.yd. Dist. 3. $34,975. F. E. Devlin, Wichita, Kan., engr.

Okla., Lookeba—Preliminary plans grading, concrete paving 6,600 sq.yd. Main St. $25,000. R. C. Bradley, Chickasha, engr.

Okla., Mangum—Grading, concrete paving 13,000 sq.yd. $41,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engr.

Okla., Muskogee—Grading, concrete paving 9,100 sq.yd. Dist. 204. $27,736. H. Dixon, Muskogee, engr.

Okla., Perry—Noble Co., grading 89,800 cu.yd. Miller Twp. roads. $45,000. A. J. Titus, Ponca City, engr.

Okla., Roosevelt—Grading, concrete paving 11,000 sq.yd. 1st and Parker Sts. $34,100. C. Riggins, 603½ West Main St., Oklahoma City, engr.

Okla., Shawnee—Grading, sheet asphalt paving 6,770 sq.yd. North Ave., Park and Franklin Sts. $33,475. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Okla., Shawnee—Grading, sheet asphalt paving 7,160 sq.yd. South Minnesota Ave. $36,945. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Okla., Tulsa—Grading, sheet asphalt paving 7,100 sq.yd. Young St. $29,764. B. M. Hart, City Hall, engr.

Okla., Tulsa—Tulsa Co. preliminary plans grading 6 mi. West Sand Springs Rd., 30 ft. $35,000—8 mi. West Easton Blvd., 30 ft. $45,000—concrete paving 27,100 sq.yd. Mohawk Rd. $60,000. H. A. Parker, Court House, engr.

Okla., Weatherford — Preliminary plans grading, concrete paving 13,000 sq.yd. 8th St. $40,000. H. H. Clark, Weatherford, engr.

Okla., Wilburton—Grading, concrete paving 11,000 sq.yd. C and College Sts. $33,000. A. Johnson, city clk. Engineer not selected.

Colo., Alamosa — City Council, c/o J. Hood, surveys concrete paving downtown streets. $50,000. Tipton & Watrous, city engrs.

Colo., Florence — Paving East Front, Pike's, Peak, Petroleum, Main and Santa Fe Sts. $50,000. B. Martin, city clk.

Calif., LaHabra—Curbing, 4 in. asphaltic concrete paving 125,082 sq.ft. East Erna Ave., East LaHabra St.

Calif., Lynwood—W. W. Chapman, city clk., curbing, 5 in. concrete paving Palm Ave. and Oak St. To exceed $40,000.

Calif., San Diego — Common Council, grading, curbing, concrete sidewalks, 6 in. concrete paving 106,169 sq.ft. Coast Blvd.

Calif., Stockton—San Joaquin Co., grading, 12,800 tons gravel on McDonald Island Rd.—3,300 tons gravel on Correia Rd.—9,600 tons gravel on Jack Tone Rd. F. E. Smith, Stockton, co. surv.

Ont., Oshawa—Concrete curbing, asphalt on concrete paving 15,000 sq.yd. Ritson Rd., 5 streets and 3 avenues. $60,000. W. C. Smith, Municipal Offices, engr.

Ont., Toronto—Sheet asphalt paving 1½ mi. St. Clair Ave. $150,000. R. C. Harris, City Hall, engr.

Bids Desired

Vermont—Oct. 19, by State Hy. Dpt., Montpelier, rein.-con. paving 4.4 mi. hy. in Berlin, Barre and East Montpelier, $125,000.

N. Y., Brooklyn—Oct. 24, by J. J. Byrne, pres. Brooklyn Boro, grading Kings Hy., Stanley Ave. and Bradford St.; sheet asphalt on concrete paving Applegate Court, Colonial and Lenox Rds., Avenue M, Lefferts, Riverdale, Schenectady Aves., Bay 32nd, East 3rd, East 15th, East 92nd, Bradford, Stockholm, 80th and 83rd Sts.

N. Y., Buffalo — Oct. 24, by G. F. Fisk, comr. Pub. Wks., Municipal Bldg., brick on concrete paving Harp Pl. and Carnelia St.—rein.-con. paving Dunlop Ave. — paving Hoffman Alley and Hopkins Sts.—repaving Roetzer, Eaton, Rich and Wasmuth Sts. C. E. P. Babcock, city engr.

N. Y., Long Island City—Oct. 22, by B. M. Patten, pres. Queens Subway Bldg., grading, sheet asphalt on concrete paving 65th (Rowan Ave.) St. from Bway. to 37th Rd. and from 37th Rd. to 39th (Stryker) Ave., Linden St., 43rd, 32nd, 37th and Woodbine Aves.

N. Y., New York—Oct. 22, by J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block on concrete paving 10th and 12th Aves., 11th, 40th, West 49th and West 50th Sts.

N. Y., New York—Oct. 24, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., granite block on concrete repaving East 133rd St.; grading, sidewalks, granite block paving Exterior St.

N. Y., St. George — Oct. 24, by J. A. Lynch, pes. Richmond Boro, Boro Hall, bituminous concrete repaving Clove Rd.; concrete paving and repaving Carteret St.

New Jersey—Oct. 29, by State Hy. Comn., Trenton, grading, 9 in. single line rein.-con. paving 59,715 sq.yd. Route 4 (Revision 1927), Sect. 1, South Amboy-Cheesequake Rd., and 26,063 sq.yd. Route 26 (1927), Connecting Link from Adams Station to Jersey Ave., New Brunswick, both Middlesex Co. A. L. Grover, ch. engr.; adv. E. N.-R. Oct. 18.

N. J., Roselle (Ind. br. Elizabeth)—Oct. 19, by Boro Council, Boro Hall, grading, sheet asphalt on 6 in. concrete paving West 4th Ave. from Pine St. to Aldine Rd. $65,000. W. Von Wagoner, boro engr.

Pa., Phila. — Oct. 23, by Dpt. P. Wks., Bureau of Hys., grading, asphalt paving (assessment work), asphalt repaving, redressed granite block repaving streets. A. Murdock, dir.

North Carolina—Oct. 30, by State Hy. Comn., Raleigh, **(P. means Project)**, clearing, grading, topsoiling 11.19 mi. P. 881, Rutherford Co., $70,000—14.77 mi. P. 6460, Lincoln Co., $82,200—9.27 mi. P. 626, Catawba Co., $47,800—17.47 mi. P. 5310, Guilford Co., $115,700—19.18 mi. P. 2430 and 4820, Johnston and Wake Counties, $81,800—clearing, grading 3.7 mi. P. 5300, Guilford Co., $34,580—6.89 mi. P. 7300, Davie Co., $27,900. L. R. Ames, Raleigh, engr.

South Carolina—Oct. 23, by State Hy. Comn., Columbia, concrete paving 12.1 mi. hy. in Aiken and Saluda Counties—9.577 mi. Dorchester Co.—13.58 mi. Anderson, Oconee and Pickens Counties—topsoiling 8.6 mi. Chesterfield Co.—17.04 mi. Spartanburg Co.—9.02 mi. Greenwood Co.—8.44 mi. Union Co.—4.93 mi. Cherokee Co.—surface treating 4.4 mi. Laurens Co.—treated timber bridge Chester Co.—timber, structural steel bridge in Cconee and Pickens Counties. B. M. Sawyer, Columbia, ch. comr.

Ala., Birmingham—Oct. 23, by City Comrs., grading 16th St., 8th Court W., Avenue T. Ensley, 3rd Ave. N, 4th Ave. S. and 85th St., $11,930—6 in. concrete paving 5th Alley S., 7th Alley W., $3,545—2 in. asphalt on 6 in. concrete paving 33rd Ave. N., Terrace M, Puliasi, 9th St. W, Finley Ave., 6th St. S.W., Court M, Ensley, McMillan Ave., 23rd Pl. N., 43rd Ave. 3rd Ave. N., 4th Ave S., 53rd Pl., 8th Ave. S., 10th Ave. 16th Ave. and 2nd Pl. S, 23rd St., Ensley, 21st and 34th Sts., Ensley, 57th and 22nd Sts., 4th Ave. S., 15th Pl., Avenues O and N, Ensley, $275,710. A. J. Hawkins, city engr.

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Streets and Roads (Continued)

Ala., Birmingham — Nov. 27, by City Comn., grading, 2 in. asphalt on 6 in. concrete paving 1 block Terrace Q, Ensley, 40 ft. $7,600—7 blocks 12th St., Ensley, 30 ft. $37,250—2 blocks 16th St. S. W., 30 ft. $9,525—2 blocks 4th Ave. S, 30 ft. $17,100—1 block 5th Ave. S, 40 ft. $10,040—2 blocks 2nd Ave. S., 30 ft. $10,770—1 block 16th St. S. W., 30 ft. $7,650. A. J. Hawkins, city engr.

Louisiana—Nov. 1, by State Hy. Comn., Baton Rouge, graveling 7.24 mi. State Project 678, Bastrop-Hammond Hy., Morehouse Parish.

O., Cincinnati—Oct. 19, by Comrs. Hamilton Co., grading, concrete repaving 9,600 sq.yd. Miami Rd. $63,247. E. A. Gast, Court House, engr.

O., Garfield Heights (br. Cleveland)—Oct. 22, by Village, paving 3 streets. R. Munz, Town Hall, engr.

Illinois—Oct. 31, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving 4.9 mi. Route 48, Sect. 113, Ford and Iroquois Counties—1.69 mi. Route 48, Sect. 134-X, Christian Co.—4.7 mi. Route 51, Sect. 102, Cook Co.—4.85 mi. Route 68, Sect. 126, Lake Co.—10.2 mi. Route 69, Sects. 121 and 122, La Salle Co.—3.45 mi. Route 72, Sect. 113, Carroll Co.—13.43 mi. Route 82, Sect. 128, Henry Co.—5.2 mi. Route 130, Sect. 125, Richland Co.—2.61 mi. Route 147, Sect. 121, Pulaski Co.—5.71 mi. Route 164, Sect. 119, Tazewell Co.—6.45 mi. Route 182, Sect. 101, Marion Co.—grading 0.35 mi. Route 2, Sect. 38-VA, Ogle Co.—0.27 mi. Route 18, Sect. 11-VA, Du Page Co.—8.03 mi. Route 109, Sect. 101-A, Jersey Co.—6.26 mi. Route 130, Sect. 126-A, Richland and Edwards Counties—5.91 mi. Route 144, Sect. 101-A, Jackson Co.—8.7 mi. Route 147, Sect. 120-A, Pulaski Co. F. T. Sheets, hy. engr.

Ill., Chicago—Oct. 22, by Comrs. Cook Co., 139 North Clark St., widening 4.4 mi. Northwest Hy., $220,000; improving 6.2 mi. Kedzie Ave., 20 ft., $310,000. G. A. Quinlan, 139 North Clark St., engr.

Ia., Cherokee—Oct. 23, at office Auditor Cherokee Co., graveling 5.75 mi. Marcus-Germantown Rd.—2 mi. Aurelia-Peterson Rd.—10.5 mi. Aurelia-Coulson and Coulson-Storm Lake Rds. J. N. Cook, Cherokee, co. engr.

Minnesota—Oct. 23, by State Hy. Comn., St. Paul, graveling 24,000 cu.yd. State Project 20-34. $25,000.

Kan., Ft. Scott—Oct. 29, at office W. I. West, clk. Bourbon Co., improving 6.429 mi. Road K-39, Road Project 39-10-K 712. H. C. McCurley, Ft. Scott, co. engr.

Kan., Westmoreland—Nov. 2, by Clerk Pottawatomie Co., grading 7.793 mi. U. S. Rd. 40, Federal Aid Project 355-E, incl. 700 ft. hedge, 1,200 ft. guard fence, 26,060 lb. steel, 93 ft. 24 to 124 ft. corrugated metal pipe, 368 sq.yd. riprap. L. F. Whearty, Westmoreland, engr.

Tex., Corsicana — Nov. 12, by Navarro Co., c/o W. Hicks, judge, grading, bridging, concrete paving Lateral Rd. 2, Sects. A, B and C. McClendon & Purnell, Corsicana, engrs.

Tex., Natalia—Oct. 29, by Bexar-Medina, Atascosa Counties Water Impvt. Dist. 1, 309 Frost Natl. Bank Bldg., San Antonio, clearing, grubbing 100 lin.mi. right-of-way of canals and laterals of proposed water improvement irrigation system; constructing 175 mi. fencing along right-of-way. P. A. Welty, Natalia, engr. Noted Sept. 13, under "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Oklahoma—Oct. 23, by State Hy. Dpt., Oklahoma City, rock asphalt surfacing 63,000 sq.yd. State Aid Project M-404 Choctaw Co., $125,000; 130,000 sq.yd. State Aid Project M-303, Okfuskee Co., $250,000. C. R. Mandigo, hy. engr.

Okla., Oklahoma City — Oct. 23, by M. Peshek, city clk., grading, sheet asphalt paving 9,175 sq.yd. May Ave. To exceed $25,000. W. W. Small, City Hall, engr.

Wash., Seattle — Comrs. King Co. bids about Nov. 8, one course concrete paving 3 mi. Roanoke Hy., 20 ft. $90,000. D. Evans, Seattle, co. engr.

California—Oct. 24, by State Hy. Comn., Sacramento, concrete, bituminous macadam paving 11.5 mi. road between Little Sycamore Canyon and Solstice Canyon, Ventura and Los Angeles Counties; grading, bituminous macadam paving 0.7 mi. road between Newhall Tunnel and Los Angeles city limits, Los Angeles Co. C. H. Purcell, Sacramento, engr.

Contracts Awarded

New Hampshire — State Hy. Dpt., Concord, 3 in. bituminous macadam on 8 in. gravel paving 2.35 mi. hy. in Haverhill, to Arborio Road Constr. Co., Inc., 408 Main St., Hartford, Conn., $49,332. Est. $65,000. Noted Oct. 4.

Massachusetts — Dpt. P. Wks., Boston, widening, bituminous macadam repaving 12,100 ft. hy. in Lynn and Salem, to N. Tanzello, Beverly, $75,986; graveling, oiling 1,700 ft. Brimfield, to M. Way, 88 Clifton Ave., Springfield, $5,693. Noted Sept. 27.

Mass., Boston—Sheet asphalt paving Armory St, to S. J. Tomasello, Cushing Terrace, Dorchester, $27,014.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, sheet asphalt on concrete paving Hopkinson Ave., to B. Turecamo Contg. Co., New Cropsey Lane, $23,471. Noted Sept. 20.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Castle Bros., Johnson Pl., grading Clarkson Ave., $3,309—to J. Casalino, 211 North 7th St., Avenue L, $2,823—to Haupert & Specht, granite block paving South 1st St., $10,107—to Colgan Constr. Co., 90 Williams St., New York, 2nd St., $12,583—to Sicilian Asphalt Paving Co., 41 Park Row, New York, sheet asphalt on concrete paving Division Pl., $4,459; grading Leonard St. $6,842; asphalt paving various streets damaged by subsurface work, $21,000—to M. J. O'Hara, Neptune Ave. and West 19th St., East 2nd St. $6,769; West 10th St., $3,074; West 33rd St. $6,209—to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Hopkinson Ave. $6,753; McDonough St. $10,997; Hoyt St. $19,334—to Uvalde Asphalt Paving Co., 1 Bway., New York, Lott Ave. $2,630—to D. J. McCoy, Avenue U and East 57th St., Marcy Ave. $9,840. Grand total $126,729. Noted Sept. 27.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to Bronx Asphalt Corp., sheet asphalt on concrete paving White Plains Rd., $50,245; West 238th St. $3,515; Cruger Ave. $7,504; East 197th St., $3,652; Mosholu Parkway $16,880; bituminous concrete paving White Plains Rd., $13,925—to M. C. Seelig Co., 44 Court St., Brooklyn, grading Metcalf Ave., $3,713—to S. Nugent, Riverside Dr. and 170th St., West 263rd St., $6,124—to Asphalt Constr. Co., 2197 Madison Ave., Rosedale Ave. $10,018—to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., sheet asphalt paving East 171st St., $3,490; Knox Pl. $13,832, West 166th St., $7,864; Overing St. $4,443. Grand total $145,205. Noted Sept. 20.

New Jersey—Bd. Freeholders Bergen Co., Court House, Hackensack, paving Crescent and Prospect Aves., in Midland Park, Waldwick, Allendale and Wyckoff, to G. M. Brewster & Son, Fort Lee Rd., Bogota, $159,999.

N. J., Asbury Park—Monmouth Co., Freehold, reconstructing 0.65 mi. Asbury Ave., Rd. 36, Sect. 1, to E. T. McNierney, Bradley Beach, $46,079. Noted Aug. 16.

N. J., Orange—Asphalt block paving Hillside Ave., to Hastings Pavement Co., 25 Broad St., New York, $22,471. Noted Sept. 27.

N. J., Trenton—Mercer Co., bituminous macadam paving 17,400 ft. Franklin Corner-Baker Basin Rd., to A. Stryker, Inc., 2053 South Broad St., $52,311. Noted Sept. 6.

N. J., Verona (Ind. br. Montclair)—Bd. Boro Council, Boro Hall, 8 in. concrete paving Linden Ave., to Osborne & Marsellis Co., Bellevue Ave., Upper Montclair, $19,948. Noted Aug. 30.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 57,900 sq.yd. Westmoreland Co., to F. Kukurin, Wilmerding $265,768—20,400 sq.yd. Fayette Co., to J. J. Dick, Scottdale $88,976 — 40,600 sq.yd. Wayne Co., to Tyler & Cole, Meshoppen $237,891 — 5,806 sq.yd. Columbia Co., to D. W. Davis & Son, Kingston $27,030. Grand total $619,665. Noted Aug. 24 and Sept. 6.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 13,400 sq.yd. Erie Co., to Chas. Fry. Constr. Co., Erie, $46,340—4,200 sq.yd. Indiana Co., to A. F. Moreau, Indiana, $22,573—18,800 sq.yd. Luzerne Co., to B. G. Coon Constr. Co., Luzerne, $79,892. Grand total $148,805. Noted Aug. 23 and Sept. 6.

Maryland—State Roads Comn., Baltimore, macadam paving 0.35 mi. Cecil Co., to T. P. Murray, Towson, $7,114—0.6 mi. Dorchester Co. and 1.06 mi. Worcester Co., to Hannemann-Burroughs Co., Salisbury, $12,076 and $18,118 respectively—0.3 mi. Cecil Co., to G. Atkinson, Port Deposit, $12,689—3 mi. Prince George Co., to Vacchinao & Swann, LaPlate; $10,425—4.74 mi. Cecil Co., to T. B. Gatch Building & Supply Co., Belair Rd., Baltimore, $35,600—concrete shoulders on 0.13 mi. Montgomery Co., to M. J. Grove Lime Co., Lime Kiln, $1,250. Grand total $97,272. Noted Sept. 6 and 20.

Md., Baltimore—Bd. Awards, sheet asphalt paving 10,000 sq.yd. Contr. 486, to Amer. Paving Co., Montebello Ave., $43,479; concrete paving 9,100 sq.yd. Contr. 485, to D. Marine, 236 Albemarle St., $21,849. Noted Sept. 20.

Md., Baltimore — Bd. Awards, concrete paving 12,300 sq.yd. Contr. 487, to Ward & O'Connell, 3114 Presbury St., $27,613.

Md., Baltimore — Bd. Awards, concrete paving 12,750 sq.yd. alleys in Alley Contr. 130, to A. Apicella, 2907 McElderry St., $24,435.

Ala., Birmingham—For 6 in. concrete paving 14 blocks 27th Ave. N., to Christie-Hutchinson & Burton Constr. Co., American-Traders Bldg., $54,770 est. $60,200; excavating for underpass connecting South Highlands School yard with Magnolia Park, 5 in. concrete paving 1 block roadway, to Johnson-Wooley Constr. Co., American-Traders Bldg., $4,743 est. $6,100. Noted Sept. 20.

Miss., Alcorn—See "Buildings — Educational, Religious."

Miss., Columbia — Marion Co., grading, brick or concrete paving 0.928 mi. Federal Aid Project 92-B, to Mills Eng. Constr. Co., McComb; 3,250 sq.yd. Broad St., to Southern Clay & Mfg. Co., Memphis, Tenn. Noted Aug. 23.

Miss., Ellisville—See "Waterworks."

La., Monroe—To C. A. DeJersey, Shreveport, asphalt paving Travis St., $5,818; South 1st St. $1,563; Duraco paving South 5th St. $29,197; concrete paving Slack St. $16,406. Grand total $52,984.

Tenn., Chattanooga—R. H. Crox, comr. Dpt. Streets & Roads, grading, concrete paving 19,648 sq.yd. East 3rd St. and Dodson Ave., to Brown Contg. Co., 706 Manning St. $59 742. Est. $60,000. Noted Sept. 27.

O., Cincinnati — Hamilton Co., concrete paving 22,896 sq.yd. Madison Rd., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., $86,885. Est. $92,736.

O., Cleveland—Cuyahoga Co., vitr. brick paving 53,350 sq.yd. Brookpark Rd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $309,558. Noted Sept. 27.

O., Columbus—W. H. Duffy, dir. Serv., to R. J. Dienst, 209 South High St., grading, curbing, mains, sewers, asphalt paving 1,850 sq.yd. Broderick St. $4,479; 2,345 sq.yd. Blake Ave. $12,082; 2,820 sq.yd. Mansfield St. $13,786—to Franklin Asphalt Paving Co., 209 South High St., 1,715 sq.yd. Gault St. $7,179; 3,210 sq.yd. Washington Ave. $17,551—to B. F. Patterson, 999 West Goodale St., 4,180 sq.yd. Westwood Ave. $19,136. Grand total $74,213. Noted Sept. 27.

Michigan — At Village Clerks Office, Davison, concrete paving 4.93 mi. FC25-16, C-2, and 1.001 mi. MO25-16, C-3, 20 ft., Genesee Co., for State Hy. Dpt., Lansing, to C. G. Miline, Saginaw, $168,304 and $31,566 respectively. Noted Sept. 13.

Michigan — R. A. Beers, resident engr., Kalamazoo, sheet asphalt paving 3.682 mi. MO11-28, C-1, 36 ft., Berrien Co., to W. J. Lang Constr. Co., Benton Harbor, $200,737. Noted Sept. 27.

Michigan—H. G. Oakes, resident engr., Cadillac, concrete paving 2.346 mi. MO24-17, C-2, 20 ft., mmet Co., to Rogers Constr. Co., Scottville, for State Hy. Dpt., Lansing. $82,875 incl. cement. Noted Sept. 6.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 3.907 mi. MO73-12, C-1, 20 ft., Saginaw Co., to Cunningham Constr. Co., Saginaw, for State Hy. Dpt., Lansing. $125,045 incl. cement. Noted Sept. 13.

Michigan—A. R. Schaefer, resident engr., concrete paving 5.222 mi. MO2-14, C-1, 20 ft., Alger Co., to Vizena & Gattiss, Munising, for State Hy. Dpt., Lansing, $220,303 incl. cement. Noted Sept. 13.

Mich., Monroe—Concrete paving Monroe St., building retaining walls under curb lines near new bridge, to W. H. Knapp Co., Monroe, $33,355.

Ill., Alton—City Clerk, grading, curbing, rein.-con. paving 8,011 sq.yd. Sering Ave., and 7 in. rein.-con. paving Hardy St., to J. B. Miller, 519 Belle St., $20,122 and $3,157 respectively.

Ill., Carlyle—Concrete slab widening 3,200 sq.yd. Dist. 4, to Casey Constr. Co., Casey; 7 in. rein.-con. paving 21,000 sq.yd. Dist. 5, to Chicago Ridge Constr. Co., Chicago Ridge.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, tile sewers, brick manholes, catch basins, concrete paving 3 alleys, to P. J. O'Brien & Co., 4 North Cicero Ave.—2 alleys, to Paramount Constr. Co., 82 West Washington St.—1 alley, to J. Dillon & Co., 2953 South Halsted St.—grading, curbing, guttering, sewers, asphalt on 6 and 8 in. concrete paving Brown St., North Lockwood and North Lavergne Aves., to Barber Paving Co.—West 99th, 100th, 101st, 102nd Places, East 50th, East 107th, West 83rd, West 99th, 100th, 101st and 102nd Sts., Avenue E, South Hamilton and Princeton Aves. ,to Amer. Asphalt Paving Co., 133 West Washington St.—Kuehl Pl., Palmer St., North Neva, Costello, Dickens, North Kedzie, Glenlake, Lemont, Hiawatha, North Kirkpatrick, Peterson, Kimball, Newcastle,

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Streets and Roads (Continued)

Waveland, North New England and Newland Aves., also grading, recurbing, guttering, asphalt resurfacing Hazel St., to White Paving Co., 1735 Fullerton St.—grading, curbing, guttering, sewers, 8 in. concrete and crushed limestone paving North Central Park Ave., to Central Paving Co., 179 West Washington St.—grading, curbing, guttering 10 in. concrete paving Peterson Ave., to J. A. Sackley Co., 4608 Belmont Ave. Noted Sept. 20 and 27.

Ill., Chicago — Bd. Local Impvts., City Hall, 6 to 15 ft. concrete sidewalks on one and both sides Ritchie Court, East Walton Pl., West 33rd, East 24th, East 46th, East 88th, East 89th, Fillmore, Justine, South Morgan, Palmer, North Robey, South Wood, North Wood and Wallace Sts., West North, Anthony, North Hoyne, South Jefferson, Elston, North Kedzie, Princeton, Rhodes, Samen, Paxten, South Union, Vernon, South Wabash, Yates, Anthony and Luella Aves., to G. Kehl Sons, 2225 Maplewood Ave.—West Delmar Pl., Lane Court, North Clark East Goethe, East Huron and Locust Sts., Kedzie, North Lawndale, Morse, North Oakley, North Racine, Wellington and North Western Aves., to C. Schroeder & Sons Co., 3440 Johnson Ave.—East 57th, East 91st, West 88th, West 55th, South Paula and South Wood Sts., South Wabash, South Mansfield, South Hermitage, Essex, Phillips, Yates, South Menard and South Austin Aves., to Superior Concrete Constr. Co., 133 West Washington St.—West 35th, Argyle and North Rockwell Sts., North St. Louis, Carmen, Winnemac and North Washtenaw Aves., to Banner Constr. Co., 384 North Harding Ave.—West Marquette Rd., West 65th and 66th Places, West 65th and 66th Sts., Bryn Mawr; Lincoln, Southport, Blue Island, Gunnison, Montrose, Rhodes, Millard, South Hamlin, North Ashland, Blue Island and Montrose Aves., to J. J. Croake Co., 2927 Fullerton Ave.—South State St. and Fullerton Ave., to A. Graff & Co., 30 North La Salle St.—North Carolina and North Kildare Aves., to M. Schuh, 4625 Dickens Ave.—East 88th West 99th and La Salle Sts., Fullerton, La Fayette, Perry, Balmoral, Berwin, Foster, Higgins, North Melvina, North Mobile, North Mulligan, North Eagle, Euclid, Constance, Bennett and Creiger Aves., to Simpson Constr. Co., 1113 South Hermitage St.—West 97th, West 98th, West 102nd, West 103rd, South State and South La Salle Sts., to H. Johnson & Co., 340 South 11th St.—East 81st, 82nd and 83rd Sts., Burnham, Manistee, Marquette, Saginaw and Colfax Aves., to Aldrich Constr. Co., 140 South Dearborn St. Noted Sept. 20.

Ill., Chicago—Cook Co., paving 107th St., to Oltendorff Constr. Co., Palatine, $18,604—Archer Avenue Extension, to J. N. Pierson Co., Chicago Heights, $75,563—Harrison St., to Chicago Heights Coal Co., 27 East 19th Pl., Chicago Heights $95,613—95th St., to States Improvement Co., 160 North La Salle St., $28,108—Wentworth Ave., to Independent Paving Co., $36,074—Gross Point Rd., to Arcole Constr. Co., Evanston, $48,213—Lake St., to Bway. Constr. Co., 205 West Wacker Dr., $83,930—Northwest Hy., to Stanley Jaicks, Oak Park, $61,592—Northwest Hy., to Milburn Bros., Rockford, $23,091. Grand total $470,788.

Wisconsin — State and Vernon and Monroe Counties Hy. Comns., La Crosse, crushed stone surfacing 3,371 cu.yd. Westby-Cashton Rd. Project 5978, Monroe Co., and 11,400 cu.yd. Westby-Black River Falls Rd., Project 398-A, Vernon Co., to Fitton, Muller & Fitton, Madison $23,142—grading 5.771 mi. Westby-Black River Falls Rd., Project 398-A, Vernon Co. and 1.7 mi. Westby-Cashton Rd.; Project 5978, Monroe Co., to G. J. Grant Constr. Co., 904 Exch. Bank Bldg., St. Paul, Minn., $25,322 and $5,901 respectively. Grand total $54,365.

Wisconsin—State and Sauk Co. Hy. Comns., Madison, grading 3.1416 mi. Federal Aid Project 418-B, to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, Minn., $52,378. Noted Sept. 27.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., to Bodemann Constr. Co., 691 48th St., improving alley between Garfield St. and North Ave. $1,712, alley between Bartlett and Newhall Sts. $1,220, alley between 23rd and Teutonia Sts. $5,039, Adler St. $12,585, 52nd St. $12,344—to N. Harris, Girard and St. Albian Sts., alley between St. Claire and Seeley Sts. $987—to J. C. Bluhm & Son, 1299 Achilles Ave., alley between Newhall and Cambridge Sts. $1,457, alley between 12th and 13th Sts. $1,328, alley between Concordia and Townsend Sts. $804—to E. Radtke, 1405 13th St., 16th St. $6,803—to H. R. Hauptkamp, 501 2nd Ave., Hawley Rd. $1,830—to Gumz & Switalski, 831 13th Ave., Lincoln Ave. $12,372—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Lincoln Ave. $11,866. Grand total $70,347.

Ia., Dakota City — Humboldt Co., to Moore & Eldredge, Clemons, improving roads, 11,300 cu.yd. gravel 1 mi. haul at $0.23 and $0.24 per cu.yd., 44,800 units overhaul $0.054, 3,500 cu.yd. stripping $0.12.

Ia., Waterloo—C. C. Maskay, city clk., concrete paving 16,000 sq.yd. and 3 in. brick paving 6,000 sq.yd., to Black Hawk Constr. Co., Waterloo Savings Bank Bldg., at $1.78 and $2.03 per sq.yd. respectively. Noted Sept. 8.

Kan., Belleville — Republic Co., grading, culverts 11.873 mi. Projects 81-25 F313 A and B, to D. Scherrer, 329 North 19th St., Kansas City, Mo., $51,609; 3 bridges, to W. P. Shivers, Scandia, $14,088.

Kan., Eureka—Greenwood Co., grading 4.355 mi. Federal Aid Project 239-F, to J. J. Thompson, Omaha, Neb., $40,842. Noted Mar. 1.

Kan., Newton—Curbing, concrete paving 3,505 sq.yd. to L. Phares, Newton, $6,888; brick resurfacing 21,693 sq.yd., to Stanton & Wallace, Leavenworth, $41,866.

Kan., Norton—Norton Co., grading, culverts, bridging 5.6 mi. Projects 39-9-K 680 and 36-9-F. A. 345-B, to Young & Hall, Maywood, $77,925.

Neb., Crawford—R. B. Wellington, city clk., grading, curbing 6 in. rein.-con. granite concrete paving 26,800 sq.yd. Paving Dist. 1, to Roberts Constr. Co., 1st Natl. Bank Bldg., Lincoln, $76,557. Est. $70,000. Noted Aug. 9.

Mo., Richmond Heights (mail St. Louis)—Rein.-con. paving 4,407 sq.yd. Lindbergh Dr., to C. M. Berry Constr. Co., 7370 Manchester Ave., Maplewood, $18,195—3,960 sq.yd. Bennett Dr., to Carlon Constr. Co., 3516 Grenewood Blvd., Maplewood, $15,894—concrete paving 883 sq.yd. Plateau Ave., to Fehlig-Ferrenbach, Inc., 3500 Hickory St., St. Louis $4,055. Grand total $38,144.

Tex., Harlingen — Concrete paving, to F. P. McElwrath Paving Co., Harlingen, $30,000. Est. $35,000. Noted Sept. 20.

Tex., Houston—Harris Co., constructing spillways, shell shoulders, concrete paving 7,000 ft. Market St. Rd., to Russ Mitchell, Inc., Petroleum Bldg., $62,102. Est. $65,000. Noted Sept. 13.

Tex., Marshall—Curbing, flood water sewers, 2½ in. brick on 4 in. base paving, to Cocke & Turner, Marshall, $56,084. Est. $60,000.

Tex., Pampa—Vibrolithic concrete paving 27 blocks, to Stuckey Constr. Co., P. O. Box 1441, $212,574.

Okla., Oklahoma City—Grading, paving 8 blocks Young Blvd., and 25th St. S., 26 and 40 ft., to M. A. Swatek & Co., 519½ West Main St., $26,932. Est. $28,810.

Okla., Tulsa — Grading, sheet asphalt paving 9,600 sq.yd. Paving Dist. 896, to Standard Paving Co., 215 East 2nd St., $37,447. Est. $39,000.

Colorado—State Hy. Dpt., Denver, ½ mi. paving and concrete bridge Pueblo Co., to J. Fred Roberts & Sons Constr. Co., Tramway Bldg., Denver, $40,000.

Wash., Seattle—Paving 30th Ave. S. et al., to J. B. Covello, 1510 16th St., $48,152.

Wash., Seattle — Bd. P. Wks., concrete paving 25,720 sq.yd. Aloha St., to Moceri Bros., 813 29th Ave., $72,125; 16,930 sq.yd. 50th Ave. N. E., to S. A. Moceri, Inc., 924 34th Ave., $46,695.

California—State Hy. Dpt., grading, asphaltic concrete paving 8.9 mi. Kern Co., to Valley Paving & Constr. Co., Bank of Italy Bldg., Visalia, $179,902. Noted Sept. 13.

Calif., Los Angeles — Grading, concrete paving Hubbard Ave. between Mulholland and 4th Sts., to Tryon & Brain, California Bldg., $49,717.

Calif., Los Angeles — To G. H. Oswald, 366 East 58th St., improving Gulf Ave. $39,734; Bedford and Vera Sts. $50,633; grading, concrete paving Barry and La Grange Ave. Impvt. Dist. $192,946—to Los Angeles Paving Co., 3200 East Vernon Ave., improving Federal and Ohio Aves., $239,500—to Griffith Co., 502 Los Angeles Ry. Bldg., Sanford Ave. and G St., $44,213—to G. W. Ellis, 1005 Kenneth Rd., Glendale, Oxnard St., $52,709—to Tryon & Brain, California Bldg., grading, concrete paving Saticoy St. and Clyburn Ave. Impvt. Dist., $82,835. Grand total $702,570.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, 1½ in. oiled macadam paving 745,850 sq.ft. Gladstone and Juniata Sts., to A. O. Nelson, 136 North Huntington Dr., Pasadena, $82,438. Noted Sept. 13.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, sidewalks, concrete paving Impvt. C. I. 771, Industrial Ave., to J. E. Haddock, 357 Chester St., $30,516; grading, 9-7-7-9 in. concrete paving Impvt. A. & I. 180, Atlantic Ave., to W. H. Goff, 1921 Apex St., $244,798. Noted Sept. 13.

Calif., San Diego—Grading, sidewalks, 2 in. asphaltic concrete paving 287,492 sq.ft. Cass and other streets, to D. H. Ryon, 1[illegible] Fern St., $104,810. Noted Sept. 13.

Calif., San Diego—For 6 in. concrete paving Harbor St., to Butterfield Constr. Co., Box 157, $26,279.

Calif., San Diego—San Diego Co., improving streets in Fletcher Hills, to Butterfield Constr. Co., Box 157, $469,648.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., asphaltic concrete paving, street lighting and water systems, Mt. Pleasant Sub-division, to I. I. Ryder, San Jose, $23,415. Noted Oct. 4.

Ont., Toronto—Concrete curbing Oakwood Ave., to Godson Contg. Co., 203 Richmond St. W., at $0.60 per lin.ft.; asphalt paving Oakview Ave. and asphalt on concrete paving Sects. A, B, D and E, St. Clair Ave. W., to owner by day labor under supervision R. C. Harris, engr. City Hall, $60,300.

Ont., Toronto—York Twp., asphalt or bitulithic on concrete paving Ennerdale Rd. and Bicknell Ave., to Warren Bituminous Paving Co., 54 University Ave., $90,407—Alameda Ave., to Kilmer & Barber, 10 Adelaide St. E., $23,142—Cliffe St. and Ossington Ave., to Godson Contg. Co., 203 Richmond St. W., $16,193—Sydney Ave., to Constructing & Paving Co., Confederation Life Bldg., $9,418. Grand total $139,160.

Ont., Walkerville — Paving streets, to Chick Contg. Co., McDougall Ave., Windsor; sewers, to Ryan Constr. Co., 109 Ottawa St., Windsor. Total $80,000.

Ont., Welland—Welland Co., asphalt paving 14,750 sq.yd. Ridge Rd. south to Ridgeway, to Law Constr. Co., Confederation Life Bldg., Toronto, $42,469.

Ont., Windsor—Concrete curbing, guttering, 8 in. rein.-con. paving 10,000 sq.yd. Tecumseh Rd., to Check Contg. Co., McDougal St. $39,000.

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Public Bond Elections

Coming Bond Elections

Waterworks and Sewerage Systems—Carthage, Miss., Oct. 19, $65,000.
Waterworks—Ozark, Mo., $40,000.
Waterworks—Friday Harbor, Wash., Nov. 6, $50,000.
Sewage and Drainage Systems — Gretna, La., Nov. 6, $300,000.
Sewers—Purcell, Okla., Nov. 6, $25,000.
Roads—Brooke County, W. Va., Feb. 15, $1,100,000.
Roads—Doddridge County, McClennan Dist., W. Va., Nov. 6, $100,000.
Roads—McDowell County, W. Va., Sandy River Dist., Nov. 6, $150,000.
Roads—Nueces County, Tex., Nov. 10, $200,000.
Court House and Jail—Wellsburg, W. Va., Feb. 15, $400,000.
High School—Brady, Tex., Oct. 30, $135,000.
Airport—Columbus, O., Nov. 6, $850,000.
Grain Elevator — Tacoma, Wash., Pierce County, Nov. 6, $500,000.

Bonds Voted

Waterworks—Haverstraw, N. Y., $450,000.
Waterworks—Stinnett, Tex., $37,000.
Waterworks—Elk Point, S. D., $13,000.
Sewers—Bunkie, La., $25,000.
Sewers—Emporia, Kan., $110,000.
Sewerage System — Hallettsville, Tex., $35,000.
Roads—Carter County, Okla., $500,000.
Roads—Ellis County, Tex., $489,000.
High School—Ventura, Calif., $405,000.
Airport — Detroit, Mich., Wayne County, $1,000,000.

Buildings—Industrial

Proposed Work

Me., Belfast—SERVICE GARAGE, OFFICE and REPAIR SHOP—City Vulcanizing Co., c/o Edwards Sales Co., 445 Congress St., Portland, 2 story, 50 x 85 ft., brick, steel, Main St. $40,000 or more.

Mass., Belmont—GARAGE and REPAIR STATION—Cambridge Impvt. Corp., 433 Marlboro St., Boston, sketches by E. Nolte, 79 Milk St., Boston, 1 story, 135 x 200 ft., brick, Wilson Ave. $40,000.

Mass., Falmouth — COLD STORAGE PLANT and ICE HOUSE — S. T. Cahoon, Woods Hole, 1 and 2 story, irregular sized, rein.-con., plain found., Sippewissett Rd. $40,000. Private plans. W. A. Gifford, Falmouth, engr.

Mass., Malden (br. Boston)—BOTTLING PLANT—Empire Bottling Co., 33 Suffolk St., plans by C. F. Springall, Spring St., altering and constructing 2 story addition. $40,000.

Buildings—Industrial (Continued)

Conn., East Hartford (br. Hartford)—FACTORY—Capital Parlor Frame Co., 470 Tolland St., plans by G. Zunner, 182 High St., Hartford, 1 story, 60 x 200 ft. parlor suite factory, brick. $45,000.

Conn., Fairfield—FACTORY—McKesson & Robbins Co., Grasmere St., plans by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, 5 story, 100 x 200 ft., rein.-con., Grasmere St. $155,000.

Conn., New Haven — GARAGE — Cooley Chevrolet Co., Inc., 158 Whalley Ave., brick, showroom and automobile service station, Whalley Ave. $100,000. Engineer and architect not selected.

Conn., West Haven (br. New Haven)—WEAVING—Velvet Textile Corp., Gilbert St., plans by D. E. Smith, 52 Temple St., New Haven, 1 story, 45 x 152 ft., brick, steel, Gilbert St. $40,000.

N. Y., Brooklyn — FACTORY — Gotham Can Co., M. Schactman, pres., plans by J. McKillop, 527 1st St., 3 story factory, Eagle St. and Franklin Ave. $40,000.

N. Y., New York—SERVICE GARAGE—Koenig-Leiser Realty Corp., N. Koenig, pres., 391 East 149th St., plans by Cohn & Siegel, 45 West 57th St., 2 story, 93 x 100 ft., brick, concrete, Mayflower and Wilkinson Sts. $90,000.

N. Y., New York—SERVICE GARAGE—J. Land, 525 7th Ave., plans by F. J. Ricker, 1328 Bway., 2 story, irregular shaped, brick, concrete, Gable Pl. and Macombs Rd. $150,000.

N. J., Newark—FACTORY—R. G. Smith Tool & Mfg. Co., 245 N. J. R.R. Ave., 1 story, basement, 100 x 100 ft., brick, steel, plain found., 120 Christie St. $40,000. Private plans.

N. J., West New York — BOILER and POWER HOUSE — J. J. Gloster, archt., 1440 Bway., New York, soon lets contract 1 story, basement, brick, steel, plain found., Palisade Ave., for Ideal Laundry Co., Palisade Ave. $40,000.

La., Gretna — PLANT — Davison Pick Fertilizer Co. fertilizer plant, extending wharf. $150,000.

O., Alliance—FACTORY—Alliance Aircraft Corp. soon takes bids 1 story, 60 x 300 ft., Union Ave. $40,000.

O., Barberton—ICE PLANT—Henry Coal & Ice Co., 400 East Baird Ave., 2 story, concrete, steel, Baird Ave. and Bolivar Rd. $85,000.

O., Cleveland — INDUSTRIAL — State of Ohio, c/o J. E. Harper, dir. P. Welfare, Columbus, plans by H. B. Briggs, Hartman Bldg., Columbus, 1 story, 120 x 125 ft., brick, steel, Turney Rd. $75,000.

O., Cleveland — MACHINE SHOP — Buckeye Forging Co., J. W. Baxter, pres., 10205 Harvard Ave., plans by Christian, Schwarzenberg & Gaede, 1900 Euclid Bldg., 1 story, 60 x 120 ft., brick, stone, 10205 Harvard Ave. $50,000.

O., Wooster — FACTORY — Mackintosh-Hemphill Co. soon takes bids 2 story factory unit. $40,000.

Mich., Detroit—FACTORY—Dodge Bros. Division, Chrysler Motor Car Co., 341 Massachusetts Ave., Highland Park, plans by A. Kahn, 1000 Marquette Bldg., 1 story, 120 x 1,952 ft., concrete, brick, steel, plain found., Mt. Elliott Ave.

Mich., Detroit—FACTORY—Hudson Motor Car Co., 12601 East Jefferson Ave., plans by A. Kahn, 1000 Marquette Bldg., 2 story, part basement, rein.-con., brick, steel, plain found., Jefferson Ave. $100,000.

Mich., Detroit—FOUNDRY EQUIPMENT FACTORY—Holcroft & Co., 6545 Epworth Blvd., plans by C. L. Phelps, 504 Detroit Savings Bank Bldg., 1 and 2 story, 105 x 180 ft., rein.-con., brick, plain found., Westwood Ave.

Mich., Ferndale (br. Detroit)—POWER HOUSE and SUBSTATION—Steel & Tubes Co., 232 East 131st St., Cleveland, O., 1 story, 50 x 50 ft., rein.-con., brick, steel, plain found., Wanda Ave. Sessions Eng. Co., General Motors Bldg., Detroit, engrs.

Minn., Minneapolis — PLANT and GAS MAINS—Minneapolis Gas Light Co., 14th Ave. S., Minneapolis, or c/o F. T. Hulswit, 120 Bway., New York, plant and extension mains. $5,000,000-$10,000,000.

Texas — REFINERY PLANTS — **Texas** Co., Houston (subsidiary Texas Co., 17 Battery Pl., New York), 3,000 bbl. plant at Amarillo, $250,000; 1,500 bbl. plant at El Paso, $150,000; 1 at San Antonio, $2,000,000. Private plans.

Tex., Beaumont—ROUNDHOUSE—Waco, Beaumont, Trinity & Sabine Ry. Co., P. G. Burns, ch. engr., Trinity, brick, concrete warehouse. $150,000. Private plans.

Tex., Mineral Wells — ICE PLANT — E. L. Malsby, San Angelo and E. J. Roberts, Comanche, rein.-con., steel, brick, 40 ton capacity electrically operated ice plant. $40,000. Private plans.

Tex., Pampa — GASOLINE PLANT — F. E. Gilmore Co., Amarillo, 20,000 gal. casinghead gasoline plant, 5 mi. east of here. $200,000. Private plans.

Tex., Pampa—GAS PLANT—Cities Serv. Gas Co., 60 Wall St., New York, improving natural gas plant, near here, incl. additional machinery. $40,000. Private plans.

Okla., Lawton—FACTORY—J. W. Brown Paint Co. sketches 1 story paint factory. $50,000.

Okla., Oklahoma City—OIL REFINERY—Wirt Franklin Oil Co., Ardmore, sketches 1,000 bbl. oil refinery, near here. $200,000. Private plans.

Okla., Tulsa—ICE PLANT—C. H. Allbert, sketches 75 ton raw water ice plant.

Ore., St. Helens — BUILDING BOARD and PAPER MILL — Fir-Tex Insulated Co., Portland, A. E. and C. A. Millington, industrial engrs., Portland, 100 x 1,400 ft. main building. $2,000,000.

Calif., Los Angeles—WAREHOUSE and FACTORY — Hamilton Mfg. Co., Two Rivers, Wis., sketches warehouse and factory.

Que., St. Johns—PLANT—Russell Mfg. Co., Middletown, Conn., T. M. Russell, pres., sketches plant, 80,000 sq.ft. floor space. To exceed $40,000.

Ont., Kitchener — FACTORY — Canadian Goodrich Co., J. W. Jordan, mgr., brick, steel addition, King St. W. $250,000.

Ont., London—GARAGE, REPAIR SHOP and SERVICE STATION—T. C. Ivinson, 314 Piccadilly St., 4 story, basement, 71 x 90 ft., King St. $60,000.

Ont., Port Arthur—CREAMERY—C. P. Bliss, Slate River, Creamery, Bay St. $60,000.

Ont., St. Catharines — DAIRY — Silverwoods, Ltd., A. E. Silverwood, mgr., London, plans by F. F. Saunders, 116 Concord Ave., Toronto, and soon take bids 2 story, basement, 98 x 100 ft., brick, tile, 277 Welland St. $75,000.

Ont., Windsor — FACTORY — Chrysler Corp. of Canada, J. D. Mansfield, mgr., 300 Tecumseh Rd., plans by Hutton & Souter, 6 James St. S., Hamilton, and takes bids about Nov. 1, factory and truck plant, Tecumseh Rd. $1,500,000. Noted Sept. 20.

Bids Desired

Mass., Cambridge (br. Boston) — LABORATORY, SERVICE and REPAIR GARAGE—Belluche Photo Finishing Serv. Co., 786 Mass. Ave., taking bids 1 story, basement, irregular sized, brick, plain found., Franklin St. $40,000. Private plans.

Mass., Peabody—FACTORY—A. C. Lawrence Leather Co., Crowninshield St., taking bids altering and constructing 2 story, brick, steel addition, plain found., Crowninshield St. $45,000. Private plans.

Conn., Stamford — GARAGE — Redman Chevrolet Co., Inc., Mill River St., taking bids altering and constructing 2 story, 50 x 100 ft., brick, steel addition, $50,000. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, archts.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Sunnyside (mail Long Island City)—BAKERY—See "Contracts Awarded."

N. J., Newark—ELECTRICAL SUB-STATION—See "Contracts Awarded."

Mich., Detroit — FACTORY — Pollmar & Ropes, archts., 2539 Woodward Ave., taking bids and open same about Oct. 23, 1 story, rein.-con., brick, steel, plain found., Minnie St., for Liberty Starter Co., 241 Minnie St. $50,000.

Mich., Detroit — FACTORY — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 4 story, 100 x 125 ft., taking bids and open same about Oct. 15, 4 story, 100 x 125 ft., rein.-con., brick, steel, plain found., East Jefferson Ave., for Chrysler Motor Car Corp., 341 Massachusetts Ave. $100,000.

Ill., Oak Park — PRINTING PLANT — S. N. Crowen & Co., archts., 22 West Monroe St., Chicago, taking bids 4 story, tower, 75 x 140 ft., brick, stone, 1104 Lake St., for Pioneer Publishing Co. $326,000.

Tex., Floydada—COMPRESS—See "Contracts Awarded."

Contracts Awarded

Vt., St. Johnsbury — MANUFACTURING and POWER PLANT — American Fork & Hoe Co., 1 and 2 story, brick, plain found., 8 Ely St., to J. M. Swan & Sons, 144 Portland St.

Mass., Andover — POWER HOUSE — Phillips Andover Academy, J. H. Buttiner, supt. Buildings, 1 story, basement, brick, plain found., to E. W. Pitman Co., Bay State Bldg., Lawrence. Est. $40,000. Noted Sept. 20.

Mass., Belmont—SERVICE and REPAIR GARAGE — Town, c/o H. T. Underwood, archt., 46 Cornhill, Boston, 1 story, irregular sized, rein.-con., brick, steel, plain found., to P. T. McMahon, 1031 Washington St., West Newton. Est. $40,000. Noted Oct. 4.

Mass., Boston—SALES and SERVICE STATION—One Hundred Fifty-Five Brookline Ave., Inc., 1 and 3 story, 130 x 135 ft., brick, rein.-con., plain found., 155 Brookline Ave., to F. J. Van Etten Co., 250 Stuart St. Est. $40,000 or more.

Mass., Chelsea (br. Boston)—FACTORY—Panco Rubber Co., F. Bernstein, pres., 31 Highland St., 2 story, 90 x 100 ft., rein.-con., timber addition, concrete found., Highland Ave., to I. Melnicker, 46 Grove St. Noted Sept. 13.

Mass., Chester — FACTORY — Courtland Grinding Wheel Corp., Huntington Rd., 2 story, brick, timber, plain found., Huntington Rd., to A. M. Cowles, 5 Crown St., Westfield. Est. $40,000.

Mass., Lynn — NEWSPAPER DISTRIBUTING STATION—North Shore News, R. S. Bauer, pres., 52 Exchange St., 2 story, basement, 65 x 105 ft., brick addition, to K. Swanson, 7 Willow St. Est. $40,000. Noted Sept. 13.

Mass., Somerville (br. Boston)—MANUFACTURING—Vacuum Co., 105 Mystic Ave., altering and constructing brick, steel, addition, to J. W. Bishop Co., 100 Erie St., Cambridge. Est. $100,000.

Mass., Springfield — SERVICE and REPAIR GARAGE — Main & Cypress Realty Co., c/o J. W. Foster, archt., 105 Bridge St., 2 story, 60 x 150 ft., rein.-con., steel, plain found., Main and Cypress Sts., to E. F. Carlson Constr. Co., 1694 Main St. Est. $50,000 or more.

Conn., New Haven—MACHINE SHOP—G. M. MacKenzie, 26 Water St., 1 story, 50 x 150 ft., brick, Water St., to L. F. Caproni, 1056 Chapel St. Est. $40,000 incl. equipment.

N. Y., Brooklyn—FACTORY—C. Pfizer & Co., 11 Bartlett St., general contract 7 story factory, Harrison and Gerry Sts., to Barney Ahlers Constr. Co., 110 West 40th St., New York; piling to Raymond Concrete Pile Co., 140 Cedar St., New York. Est. $300,000. Noted Sept. 27.

N. Y., New York—SERVICE GARAGE—Arnold Constr. Co., A. B. Basheim, pres., 289 Mott Ave., service garage, Mott Ave. and 140th St., separate contracts. $60,000. Moore & Lansiedel, 148th St. and 3rd Ave., archts.

N. Y., Sunnyside (mail Long Island City) — BAKERY — Slade Constr. Corp., 881 Ocean Parkway, Brooklyn, 1 story, 80 x 100 ft., brick, separate contracts. $50,000. Farber & Kalpin, 174 Pitkin Ave., Brooklyn, archts. Noted Oct. 4.

N. Y., Tonawanda—FACTORY—Curtiss Airplane & Motor Co., 3 story, 60 x 200 ft., 1 story, 200 x 1,500 ft., 200 x 200 ft. factories, and 60 x 100 ft. garage, to James Stewart & Co., 17 East 42nd St., New York. $3,000,000 cost plus percentage basis. Noted Sept. 20.

N. J., Boonton—HOSIERY MILL—Boonton Full Fashionery Hosiery Mills, H. G. Fichtner, pres., 503 Lathrop Aves., general contract 3 story, 105 x 115 ft., brick, steel, plain found., Division St. and Myrtle Ave., to J. J. O'Leary Co., 125 Prospect St., Passaic. $60,000.

N. J., Newark—ELECTRICAL SUB-STATION—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, 100 x 112 ft., brick, steel, plain found., 304-12 Norfolk St. separate contracts. $75,000. Pub. Serv. Production Co., 80 Park Pl., engr.

Pa., Coraopolis — PLANT — Russel, Burdsall & Ward, general contract 1 story, 60 x 100 ft., brick, steel addition, to Austin Co., Union Trust Bldg., Pittsburgh. Est. $40,000.

Pa., Phila. — MANUFACTURING — La-France Textile Co., 4423 Frandford Ave., 3 story, 100 x 111 ft. brick, steel, plain found., Large and Orthodox Sts., to Wintz Bros., 1618 Sellers St. Est. $100,000.

Pa., Pittsburgh — WAREHOUSE — Jesse C. Stewart Co., 568 South Aiken Ave., general contract 4 story, basement, brick, rein.-con., West Carson St., to C. H. Smith, Murdock St. Est. $45,000.

W. Va., Parkersburg — MANUFACTURING — Parkersburg Rig & Reel Co., general contract 1 story addition, to Plate Constr. Co., Parkersburg. Est. $75,000.

N. C., Asheville—RAYON PLANT—American Enka Corp., A. F. Moritz, vice pres., 114 East 32nd St., New York, general contract rayon plant on 75 acre tract, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O.; grading for above to Nichols Contg. Co., 1281 La France St., N. E., Atlanta, Ga. Est. $10,000,000. Noted Oct. 4.

O., Akron — WAREHOUSE — Goodyear Tire & Rubber Co., G. A. Litchfield, pres., East Market St., 5 story, basement, 200 x 600 ft., brick, steel, Seibering St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland. Est. $500,000.

O., Cleveland—FACTORY—Briggs Mfg. Co., 11631 Mack St., Detroit, Mich., alter-

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Buildings—Industrial (Continued)

ing 5 story, basement, 200 x 300 ft., brick, hollow tile, steel, Taft Ave., to Sam W. Emerson Co., 1836 Euclid Ave. Est. $45,000.

O., Cleveland—FACTORY—Cloyes Gear Co., R. T. Cloyes, pres., 1614 Collamer Ave., 1 and 2 story, 30 x 140 ft., brick, steel, Arabelle Rd., to Mitzel Co., Keith Bldg. Est. $40,000.

O., Cleveland — FACTORY — Eaton Axle Co. ,East 140th St., 1 story, 330 x 401 ft., rein.-con., brick, steel, 661 East 140th St., to Crowell & Little Constr. Co., Hanna Bldg. Est $300,000. Noted Oct. 4.

O., Cleveland—FACTORY—A. Foss, 9508 Quincy Ave., 1 and 2 story, 47 x 80 ft., brick, steel, 2891 East 79th St., to W. Dunbar Co., 8201 Cedar Ave. Est. $40,000.

O., Cleveland—FACTORY—Gears & Forgings, Inc., 3010 Woodhill Rd., 3 story, basement, 72 x 72 ft., brick, steel, concrete addition, to Industrial Constr. Co., 308 Euclid Ave. Est. $50,000. Noted Oct. 4.

O., Cleveland—FACTORY—Royal Brass Mfg. Co., 1420 East 43rd St., 1 story, 34 x 132 ft., brick, steel, 1424 East 43rd St., to Super-Built Constr. Co., 1836 Euclid Ave. Est. $40,000.

Ind., Ft. Wayne—FACTORY—Ft. Wayne Engraving Co., 106 West Superior St., general contract 2 story, basement, 48 x 138 ft., rein.-con., brick, to Rump & Kintz, 210 Medical Arts Bldg. Est. $40,000. Noted Sept. 6.

Ind., Indianapolis—MACHINE SHOP and GARAGE — R. McGregor, Consolidated Bldg., general contract 70 x 200 ft., brick, steel, 1011 North Pennsylvania St., to A. V. Stackhouse, 2611 Cornell Ave. Est. $42,000.

Ind., Indianapolis — PLANT — W. Lynn Chemical Co., North Davidson St., general contract 3 story, basement, 35 x 100 ft., brick, steel, to A. A. Fitchell Co., 247 North Lansing St. Est. $46,000. Noted Sept. 6.

Mich., Detroit—ELECTRICAL SUPPLY FACTORY—Lincoln Mfg. Co., 2630 Erskine St., 4 story, 85 x 100 ft., rein.-con., brick, plain found., Chene St., to Lerner-Sobel Co., 510 Book Bldg. Est. $70,000. Noted Oct. 4.

Mich., Detroit—FACTORY—Chrysler Motor Car Corp., 341 Massachusetts Ave., Highland Park, 4 story, 50 x 120 ft., rein.-con., brick, steel addition, plain found., to R. H. Hidey, 7-246 General Motors Bldg. Est. $50,000.

Mich., Flint—SPARK PLUG FACTORY—A. C. Spark Plug Co., Dort Hy., 1 story, 72 x 277 ft. heat treat and 72 x 225 ft. die cast buildings, rein.-con., brick, steel, plain found., Dort Hy., to Realty Constr. Co., 502 Industrial Bank Bldg.

Mich., Lansing—AUTO FACTORY—Olds Motor Car Co., Division St., 1 story, 100 x 180 ft., rein.-con., brick, steel addition, plain found., to Reniger Constr. Co., 127 North Cedar St. Est. $50,000.

Mich., Saginaw — FOUNDRY — Baker Perkins Co., Inc., 1 story, 100 x 340 ft., brick, steel, concrete, Hess St., to James Kerns & Son, 207 South 3rd St. Est. $65,000.

Ill., Chicago — WAREHOUSE — A. I. Epstein, archt., 2001 West Pershing Rd., 1 story, 115 x 350 ft., 3410-22 West 48th St., to Pirot Constr. Co., 38 South Dearborn St., for Caspers Tin Plate Co., 1428 West 37th St. Est. $150,000.

Mo., St. Louis — POWER PLANT — Anheuser-Busch, Inc., 721 Pestaluzzi St., remodeling power plant, 9th St., water treatment equipment, to Cochrane Corp., Phila., Pa.; boiler feed pumps, to Dean-Hill Pump Co., Buder Bldg., This corrects report in Sept. 27 issue.

Mo., St. Louis — SHOE FACTORY — Samuels Shoe Co., 3443 North Bway., 2 story, basement, 150 x 168 ft., rein.-con., brick, Laclede Ave. near Sarah St., to Morrison Constr. Co., International Life Bldg.

Tex., Floydada — COMPRESS — Texas Warehouse & Compress Co., compress plant, own forces. $75,000. Private plans.

Tex., Smithville — TERMINAL FACILITIES — Missouri, Kansas & Texas R.R. Co. of Texas, F. Ringer, Dallas, ch. engr., 9 stall, brick, timber roundhouse, 80 x 80 ft., brick, steel machine shop, wood wheel platform, sanitary sewerage system, to T. H. Johnson, Citizens Natl. Bank Bldg., Sedalia, Mo., $170,000. Noted May 17, under "Railways."

Tex., Temple—ICE PLANT—T. V. Lawson, 236 Cumberland St., San Antonio, 1 story, 40 ton capacity, electrically operated ice plant, concrete, brick, steel, to Love Constr. Co., Temple, $40,000 incl. machinery.

Wash., Seattle — BAGHOUSE — Pacific Coast Cement Co., 3801 East Marginal Way, 3 story, basement, 70 x 80 ft., fireproof to Pacific Coast Eng. Co., 811 Railroad St. S. Est. $170,000.

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Calif., Los Angeles — FACTORY — Fruit Auction Co., Central Mfg. Dist., 1 and part 2 story, 100 x 200 ft., brick addition, to W. P. Neil Co., 4814 Loma Vista St., $45,000.

Calif., Los Angeles—PRINTING PLANT —Wolfer Printing Co., Winston and Wall Sts., and E. C. and E. W. Taylor, archts., 810 West 6th St., 1 story, 30 x 100 ft. top addition with 2 story, 42 x 134 ft. annex, concrete, brick, to K. R. Bradley Constr. Co., 6918 Stanford Ave., $42,285. Noted Oct. 4.

Calif., San Pedro — WAREHOUSE — Pacific Seaboard Fireproof Warehouse Corp., 6 story, basement, 165 x 300 ft., steel, rein.-con., Beacon and O'Farrell Sts., to McRoy Constr. Co., 503 Pacific Natl. Bank Bldg., Los Angeles, $850,000.

Ont., Oshawa—GARAGE—C. B. Dolphin, archt., Leader Lane, 3 story, 80 x 150 ft., rein.-con., brick, steel, to Mothersill & McCinnell, King St. W., for Mercury Service Ltd. $80,000. Noted Aug. 30.

Ont., Princeton — MILK PLANT — City Dairy Co., Spadina Crescent, Toronto, 2 and 3 story, 50 x 130 ft., brick, steel, to J. Vance, 15 Market Sq., Woodstock; special chimney, to F. Hankin Co., 165 Spadina Ave., Toronto. Est. $100,000.

Ont., Toronto—MACHINE SHOP—Link Belt Ltd., 791 Eastern Ave., general contract 1 story, concrete, brick, steel, to Jackson Lewes Co. Ltd., Federal Bldg.; structural steel, to McGregor & McIntyre Structural Steel Co., 1139 Shaw St.; gypsum roofing, to Canada Gypsum & Alabastine Co., Northern Ontario Bldg. Est. $100,000. Noted July 5.

Ont., Toronto—PAINT and VARNISH PLANT—Flint Paint & Varnish Co., Perth Ave., general contract 2 and 3 story, basement, concrete, brick, steel addition, to Anglin-Norcross Ltd., Temple Bldg.; reinforcing steel sublet to Trussed Concrete Steel Co., Federal Bldg. Est. $150,000.

Buildings—Commercial

Proposed Work

Mass., Chicopee—THEATRE, STORE and OFFICE—L. Taloumis, 88 Main St., plans by G. Dion, 10 Center St., 2 story, basement, 60 x 190 ft., brick, steel, plain found., Main St.

Mass., Chicopee Falls — THEATRE, STORE and OFFICE — L. Taloumis, 88 Main St., Chicopee, plans by G. Dion, 10 Center, Chicopee, 2 story, 60 x 190 ft., brick, steel, Main St. $160,000.

Mass., Needham (Ind. br. Boston) — BANK—Needham Natl. Bank for Savings & Trust, H. A. Carter, pres., 402 Highland Ave., bank, Great Plain Ave. $150,000 or more. Engineer and architect not selected.

Mass., Oak Bluffs—HOSPITAL—Martha's Vineyard Hospital, S. P. Luce, Jr., bd. trustees, revised plans by H. Tallant, Grand Central Terminal, New York, 1 and 2 story, basement, irregular sized hospital. $150,000. Noted May 31.

Mass., Somerville (br. Boston)—STOREHOUSE—First Nat. Stores, 5 Middlesex St., sketches brick, timber meat storehouse, Mystic Ave. $1,500,000. Monks & Johnson, Chauncy St., Boston, engrs.

Mass., Walpole—BANK—Walpole Trust Co., Main St., bank. $150,000 or more. T. M. James Co., 3 Park St., Boston, archts.

Conn., Bridgeport—HOSPITAL—Bridgeport Hospital, Grant St., plans by E. B. Caldwell, 886 Main St., altering and constructing brick, steel addition. $150,000.

N. Y., Albany — BANK and OFFICE — National Savings Bank, c/o F. B. Stevens, 72 State St., bids after Jan. 1, general contract 20 story, brick, steel, 90-94 State St. $1,500,000. Halsey, McCormick & Helmer, 286 5th Ave., New York, archts. Noted May 31.

N. Y., Brooklyn — APARTMENT — Balweis Constr. Co., A. Weissberg, pres., 148 West 37th St., New York, plans by Seelig & Finkelstein, 66 Court St., 6 story, 90 x 100 ft., brick, timber, Brightwater Court and Darby St. $180,000.

N. Y., Broklyn — APARTMENT — Iba Bros., Inc., J. Iba, pres., plans by Lang & Rosenberg, 1440 Bway., New York, 6 story, 90 x 200 ft., brick, timber, 4th Ave. and 62nd St. $500,000.

N. Y., Brooklyn — APARTMENT — One Hundred Thirty-Five Ocean Ave. Corp., H. J. Spitzen, pres., plans by B. W. Darfman, 66 Court St., 6 story, 112 x 127 ft., brick, timber, Ocean Ave. and Lincoln Rd. $350,000.

N. Y., Brooklyn—APARTMENT—Sudia Building Corp., H. Sugarman, pres., 16 Court St., plans by W. T. McCarthy, 147 Pierrepont St., 6 story, 100 x 140 ft., brick, timber, Colonial Rd. and Mackay Pl. $250,000.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—APARTMENT—S. J. Kaplan, 19 West 44th St., 20 story, 37 x 75 ft., brick, 806 6th Ave. $500,000.

N. Y., New York—APARTMENT—One Forty-Nine East 47th St. Corp., T. Crimins, pres., 734 Lexington Ave., plans by L. A. Goldstone, 420 Madison Ave., 15 story, 155 x 200 ft., 154 East 46th St. $1,500,000.

N. Y., New York — APARTMENTS — J. Perlbinder, 332 East 149th St., plans by Franklin, Bates & Heidsmann, 2526 Webster Ave., 202 x 244 ft. apartment $850,000; 117 x 150 ft. $350,000; and 82 x 161 ft. $300,000, each 6 story, at 196th St., Grand Concourse and Valentine Ave.

N. Y., New York — APARTMENT — C. Stein, archt., 56 West 45th St., bids in January, apartment, Tompkins Sq. and Avenue B, for Assn. for Improving Condition of Poor, 105 East 22nd St. $200,000.

N. Y., New York — APARTMENT — Twelve Sixty-one Corp., c/o W. Guthamn, pres., 119 West 40th St., plans by E. Roth, 1440 Bway., 19 story, 784 Park Ave. $1,200,000.

N. Y., New York—GARAGE—Gail Kennedy Realty Corp., 39 Whitewood Ave., New Rochelle, bids after Jan. 1, service garage, Jerome Ave. and 181st St. $200,000. J. P. Boyland, 305 East Kingsbridge Rd., archt. Noted Sept. 27.

N. Y., New York — HOSPITAL — Mid Town Hospital, G. A. Helme, pres., 227 East 57th St., soon takes bids general contract 6 story, brick, 309 East 99th St. $350,000. Butler, Stein & Vitalo, 56 West 45th St., archts. Noted Aug. 30.

N. Y., New York — LOFT, STORAGE, OFFICE, etc. — M. P. B. Realty Corp., M. Barkin, pres., 64 West 48th St., bids in November, 16 story, 42 West 46th St. $250,000. G. and E. Blum, 415 Lexington Ave., archts.

N. Y., New York — STORAGE, STORE and APARTMENT—Hoover Realty Corp., C. Kane, pres., 1440 Bway., plans by Goldner & Goldner, 14 West 42nd St., 6 story, 80 x 100 ft., St. Nicholas Ave. and West 174th St. $175,000.

N. Y., New York—STORE and OFFICE —Two Hundred Seventy Bway. Corp., R. E. Boling, pres., bids in December, 28 story, 50 x 242 ft., brick, steel, 74-86 Chambers St. $2,500,000. E. H. Faile Co., 441 Lexington Ave., archts. Noted Oct. 4.

N. J., Asbury Park — APARTMENT — C. E. Van Wickle, 501 Grand Ave., sketches by E. H. Schneider, Spring Lake, 11 story, basement, brick, steel, plain found., Grand and 4th Aves. $500,000.

N. J., East Orange — APARTMENT — Washington Towers, Inc., c/o M. Fisher, archt., 564 Main St., sketches 6 story, basement, brick, steel, plain found., Washington St. $400,000.

N. J., Elizabeth — Y.W.C.A., 614 Park Ave., plans by G. C. Poggi & W. B. Bragoon, 275 Morris Ave., 3 story, basement, brick, steel, plain found., Madison Ave. $150,000.

N. J., Highland Park — APARTMENT and STORE — Peoples Building Constr. Co., 218 Sanford St., New Brunswick, revised plans by H. B. Bach, 63 Schureman St., New Brunswick, 5 story, basement, brick, steel, plain found., Raritan and 5th Aves. $175,000. Former bids rejected. Noted May 17.

N. J., Jersey City—APARTMENT—A. A. Bernstein, 591 Park Ave., West New York, sketches by G. B. McIntyre, 608 Park Ave., West New York, 4 story, basement, brick, steel, plain found., Summit Ave. and Hoyne St. $150,000.

N. J., Newark — APARTMENT — South Side Building Co., 124 Vassar Ave., sketches by Kasoff & Flatt, 164 Market St., 5 story, basement, brick, steel, plain found., 302 6th Ave. $150,000.

N. J., Newark—APARTMENT—Towne Holding Co., c/o Lilien & Lilien, archts., 155 West 72nd St., New York, will not construct 5 story, basement, brick, steel, 57-63 Osbourne Terrace. $200,000. Project will probably be abandoned. Noted Sept. 27.

N. J., Newark — HOME — Three Link Temples, Inc., E. Ennis, pres., plans by M. N. Shoemaker, 15 Central Ave., 10 story, basement, brick, steel, plain found., Halsey, Washington, Hill and Court Sts. $350,000. Noted Oct. 11.

N. J., Newark — HOTEL — Ace Constr. Co., c/o Simpson & Rolston, 45 Walnut St., will not construct 10 story, basement, 50 x 84 ft., 240 Mt. Prospect Ave. $175,000. Project will probably be abandoned. Noted Sept. 27.

N. J., New Brunswick—SALES STATION — Standard Oil Development Co., Brunswick Ave., Elizabeth, soon lets general contract 1 story, 60 x 80 ft. warehouse, 2 story, 50 x 104 ft. office and garage, railroad trestle, loading rack, 3 tanks, Jersey Ave. $150,000. General Eng. Dpt., c/o owner, engr. Noted Oct. 4.

Buildings—Commercial (Continued)

N. J., Paterson—APARTMENT—Owner, c/o E. R. Cot, archt., 136 Washington St., 4 story, basement, brick, steel, plain found. $150,000.

N. J., West New York—APARTMENT—N. Sperinza & G. Betti, 147 Summit Ave., Cliffside, plans by A. De Paola, 106 18th St., 4 story, basement, 84 x 125 ft., brick, steel, plain found., 152-160 16th St. $150,000.

N. J., West New York — APARTMENT and STORE—M. Goldberg, 128 Parkview Ave., Weehawken, 5 story, basement, brick, steel, plain found., on 75 x 100 ft. site, 456 Park Ave. $150,000.

N. J., Syracuse — APARTMENT — L. Fidler, 1108 East Genesee St., plans by R. J. West, 242 West Lafayette St., Detroit, Mich., 6 story, basement, 102 x 194 ft., rein.-con., brick, steel, East Genesee St. $500,000.

Pa., Phila.—APARTMENT—Oct. 22, by H. L. Rembald, Jr., archt., 1632 Walnut St., 4 story, basement, 51 x 230 ft., and 51 x 100 ft., rein.-con., brick, steel, plain found., 2220 Venango St., for G. K. Davidyan, 33 South 19th St.

Pa., Pittsburgh — WAREHOUSE — Whitaker Paper Co., Eggleston Ave., Cincinnati, O., plans by R. T. Trimble, Ferguson Bldg., 1 story, brick, concrete warehouse. $200,000.

La., Shreveport — AUDITORIUM — See "Contracts Awarded."

O., Cleveland—APARTMENT—A. Ecker, 703 East 113th St., taking bids 3 story, basement, 84 x 111 ft., brick, Helena Ave. $150,000. I. A. Wasserstrom, Auditorium Garage Bldg., archt.

O., Cleveland — APARTMENT — H. Woronkoff, 3606 East 146th St., plans by I. Wasserstrom, 610 St. Clair Ave., 4 story, basement, brick, timber, Clifton Blvd. $150,000.

O., Cleveland—BANKING QUARTERS—Cleveland Union Terminal Co., C. L. Bradley, pres. Terminal Tower soon lets contract steel, marble in Terminal Tower Bldg. $200,000. Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., archts.

O., Cleveland — CLUBHOUSE—Country Club, E. A. Foote, pres., Williamson Bldg., sketches by Small & Rowley, 1508 Terminal Tower Bldg., 1 story, stone, 350 ft. long, Fairmont Blvd. and Lander Rd. $350,000.

O., Cleveland—DEPARTMENT STORE—Cleveland Union Terminal Co., C. L. Bradley, pres. Terminal Tower, plans by Graham, Anderson, Probst & White, Ry. Exch. Bldg., Chicago, Ill., 14 story, basement, brick, steel, concrete, Public Square. $3,000,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., R. P. Eide, genl. mgr., 750 Huron Rd., sketches by A. W. Bailey, engr. and archt., 750 Huron Rd., 2 story, basement, 110 x 150 ft., rein.-con., brick, 7247 Bway. $300,000.

O., Cleveland — GARAGE — Shaker Garage Co., c/o J. Herbold, Terminal Tower Bldg., plans by Small & Rowley, Terminal Tower Bldg., 1 story, basement, brick, steel, concrete, 80,000 sq.ft. floor space, Shaker Blvd. $200,000.

O., Cleveland — HOSPITAL — Cleveland Clinic Assn., A. Perkins, secy., East 93rd St. and Euclid Ave., soon lets contract 8 story, basement, 51 x 109 ft., brick, steel addition, East 93rd St. $350,000. Ellerbe & Co., Pittsburgh Bldg., St. Paul Minn., archts.

O., Cleveland—STORAGE WAREHOUSE—Neal Fireproof Storage Co., C. J. Neal, pres., 7208 Euclid Ave., plans by Christian, Schwarzenberg & Gaeda, engrs. and archts., 1900 Euclid Bldg., 4 or 6 story, rein.-con., brick, Lorain Ave. $150,000.

O., Rocky River (br. Cleveland) — APARTMENT HOTEL — R. A. Teshera, 19520 Frazer Dr., Cleveland. Sketches by W. S. Ferguson Co., engrs. and archts., 1900 Euclid Bldg., Cleveland, 8 story, basement, concrete, brick, steel apartment hotel. $1,000,000.

Ind., Attica—BANK—Central Natl. Bank, W. B. Schermerhorn, cashier, plans by McGuire & Shook, North Meridian St., Indianapolis, brick, steel. $150,000.

Ind., Ft. Wayne—OFFICE and BANK—Lincoln Natl. Bank & Trust Co., plans by A. M. Strauss, 415 Cal-Wayne Bldg., 22 story, basement, 85 x 150 ft., brick, steel, Count and Barry Sts. $1,000,000.

Mich., Detroit — MERCANTILE — B. Siegel Co., Woodward Ave., 6 story, 100 x 120 ft., rein.-con., brick, steel, plain found., Woodward Ave. $500,000.

Mich., Detroit—OFFICE—Hugo Scherer Estate, 440 East Jefferson Ave., sketches by A. Kahn, 1000 Marquette Bldg., 50 story, rein.-con., brick, steel, caisson found., West Adams Ave.

Mich., Detroit—OFFICE and EXCHANGE—Michigan Bell Telephone Co., 1365 Cass Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 5 story addition and 2 story top addition, rein.-con., brick, steel, plain found., Bethune Ave. $200,000.

Mich., Detroit—PUBLISHING PLANT—Detroit Saturday Night, 526 West Fort St., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 4 story, basement, 70 x 200 ft., rein.-con., brick, stone, plain found., Jefferson Ave. $200,000.

Mich., Monroe—HOSPITAL—Sisters of St. Joseph, 25 Washington St., plans by D. A. Bohlen & Son, 1001 Majestic Bldg., Indianapolis, Ind., 3 story, basement, rein.-con., brick, steel, plain found., Hollywood Ave. $150,000.

Mich., Port Huron — EXCHANGE and OFFICE — Michigan Bell Telephone Co., Cass Ave., Detroit, plans by Smith, Hinchman, & Grylls, 800 Marquette Bldg., Detroit, 2 story, basement, rein.-con., brick, steel, plain found., 7th St. $150,000. Noted May 3.

Ill., Chicago—APARTMENT—A. I. Epton, 11 South La Salle St., plans by C. Shpargo, 11 South La Salle St., 12 story, on 75 x 150 ft. site, 1361-65 Hyde Park Blvd. $1,000,000.

Ill., Chicago — APARTMENT — P. F. Olsen, archts., 720 Cass St., soon lets contract 7 story, rein.-con., brick, 7022-38 Jeffrey Ave., for S. D. Goldberg, 6757 Jeffrey Ave.

Ill., Chicago — APARTMENT, STORE, HOTEL and GARAGE—Syndicate, c/o A. L. Himeblau, archt., 30 North Dearborn St., 5 apartments, 3 story, 50 x 149 ft. hotel, 1 block long, 280 car capacity garage, Independence Blvd., Arthington St., Lawndale Ave. and Baltimore & Ohio, Chicago terminal right-of-way. $2,500,000.

Ill., Chicago — OFFICE and STORE — American Bankers Insurance Co., 45 East Ohio St., plans by Childs & Smith, 720 North Michigan Ave., 12 story, basement, 100 x 100 ft., steel, stone, granite, Cass and Ohio Sts. $900,000.

Ill., Chicago—OFFICE and STORE—Syndicate, c/o W. N. McChesney, 30 North La Salle St., plans by Holabird & Root, 333 North Michigan Ave., 8 or 10 story, Ohio St., North Michigan and Grand Aves.

Ill., Englewood (sta. Chicago)—RETAIL STORE—Wieboldt Stores, 1279 Milwaukee Ave., Chicago, 8 story, basement, 125 x 265 ft., West 63rd St. between Green and Peoria Sts. $2,000,000.

Ill., Oak Park—OFFICE and STORE—H. Forsythe, 140 South Dearborn St., Chicago, plans by Holabird & Root, 333 North Michigan Ave., Chicago, 4 story, basement, 80 x 120 ft., rein.-con., brick, Lake St. and Park Pl. $300,000.

Mo., St. Louis — APARTMENT — Paramount Constr. Co., 904 Chestnut St., 15 story, basement, rein.-con., brick, terra cotta, on 75 x 213 ft. site, 4440 Lindell Blvd.

Tex., El Paso — HOTEL — Hotel Knox, c/o W. L. Tooley, mgr., soon lets contract altering and constructing 6 story, brick, stone, concrete addition. $150,000. O. H. Thorman, El Paso, archt.

Tex., Houston—OFFICE—J. H. Jones, Bankers Mortgage Bldg., soon lets contract 8 story, basement, 128 x 150 ft., Main and Walker Sts. $500,000. A. C. Finn, archt., and R. J. Cummins, engr., both Bankers Mortgage Bldg.

Tex., San Antonio—APARTMENT—C. Siler, 441 South Presa St., 5 story, 45 x 115 ft., brick, rein.-con. top addition, Market and South Alamo Sts. $150,000. Engineer and architect selected soon.

Tex., San Antonio—BANK and OFFICE—Groos National Bank, c/o F. Groos, pres., plans by H. T. Phelps, c/o Hicks Bldg., (1st unit) 2 story (ultimately 10 story), basement, 68 x 86 ft., rein.-con., brick, plain found., Navarro and Commerce Sts. $150,000. Total $400,000. Beretta & Stiles, c/o Natl. Bank of Commerce Bldg., engrs. Noted Aug. 9.

Tex., Taylor—HOTEL—Hotel Co., c/o J. F. Smith, Taylor, sketches by Kelwood Co., Travis Bldg., San Antonio, 10 story, basement, rein.-con., brick, plain found. $250,000.

Okla., Oklahoma City—OFFICE—J. A. Eisele, 201 West 10th St., sketches 6 story, basement, 75 x 140 ft., 1010 North Bway. To exceed $150,000.

Okla., Seminole—HOTEL—W. E. Grisso plans by P. Meeting, Okmulgee, 6 story, basement, 75 x 100 ft., brick, plain found., 2nd St. $200,000.

Calif., Delhi — PENITENTIARY — G. B. McDougal, state archt., Sacramento, sketches penitentiary for women. $1,000,000.

Calif., Fairfax—HOTEL—Western Management & Finance Co., 1st Natl. Bank Bldg., San Francisco, plans by H. C. Baumann, 251 Kearny St., San Francisco, 7 story, basement, steel, concrete, incl. club buildings and golf course. $1,250,000. L. H. Nishkian, 525 Kearny St., San Francisco, engr.

Calif., Long Beach — AUDITORIUM — City plans by J. H. McDowell, 51 East 42nd St., New York, Class "A" auditorium. $1,400,000.

Calif., Los Angeles—BANK and OFFICE—Owner, c/o H. S. Mackay, archt., Pacific Southwest Bldg., Pasadena, sketches 12 story, Class "A" bank and office building. $2,000,000.

Calif., Los Angeles—HOTEL—Owner, c/o C. K. Denman, archt., 219 Security Bldg., Hollywood, sketches 4 story, brick, stucco hotel, office and store building, West 10th St. $175,000.

Calif., Los Angeles — MERCANTILE — J. B. Green, Long Beach, 3 story, basement, 100 x 150 ft., fireproof, 5th St. and American Ave. $325,000. B. F. Tucker, 132 Pine Ave., Long Beach, archt.

Calif., Los Angeles — OFFICE — Sun Realty Co., c/o C. Beelman, archt., Union Bank Bldg., 12 story, basement, 57 x 160 ft., rein.-con., 8th and Hill Sts. $800,000.

Calif., San Francisco — OFFICE — State Hy. Dpt., Sacramento, sketches by G. B. McDougal, state archt., Sacramento, 7 story, basement steel, granite, rein.-con. addition to California State Office Building, Civic Center. $275,000.

Calif., Los Angeles — STORE and OFFICE — Sun Realty Co., I. Eisner, pres., plans by C. Beelman, 1019 Union Bank Bldg., 12 story, basement, 57 x 160 ft., rein.-con., 8th and Hill Sts. $800,000.

Calif., San Francisco—APARTMENTS—A. J. Falvey, 369 Bush St., plans by S. Heiman, 57 Post St., three 3 story, timber, stucco, Page and Stanyan Sts. $50,000 each.

Calif., San Francisco — STATE — State Building Comm., Sacramento, plans by B. G. McDougall, state archt., P. Wks. Bldg., Sacramento, 2 additional wings to state building in civic center, McAllister St. $150,000.

Calif., Santa Monica — NEWSPAPER — Santa Monica Evening Outlook plans by F. D. Rutherford, Mills-Fraser Bldg., 2 story, 100 x 150 ft., steel, store, office and newspaper plant, 4th and Bway. Sts. $150,000.

Wash., Seattle—OFFICE—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., plans by R. C. Reamer, 1301 4th Ave., 2 story, basement, 55 x 111 ft., fireproof, 4th and Union Aves. $200,000.

Ont., Toronto — APARTMENT — E. C. Bastable, 23 Martin Crescent, soon takes bids 3 story, basement, 3 units 42 x 100 ft., rein.-con., brick, steel, plain found., Eglington Ave. $200,000.

Ont., Ottawa—OFFICE—Sun Life Assurance Co., Metcalfe St., Montreal, Que., bids early in 1929, 130 x 175 ft. office building, Elgin St. $1,000,000. Engineer and architect not selected.

Ont., Ottawa — THEATRE — Famous Players Canadian Corp. Ltd., Royal Bank Bldg., Toronto, and T. W. Lamb, archt., 644 8th Ave., New York, soon let contract brick, steel, Queens St. $750,000. Noted July 12.

Bids Desired

Mass., Boston—APARTMENT—See "Contracts Awarded."

Mass., Boston—STORE and OFFICE—H. F. Winslow, 30 State St., taking bids 9 story, basement, brick, steel, limestone, plain found., 137-141 Newbury St. $300,000. H. B. Alden, 126 State St., archt.

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Brockton—STORE and OFFICE—Oct. 20, by C. T. Olson, archt., 101 Main St., 1 and 2 story, basement, 80 x 175 ft., brick, limestone, plain found., North Main St., for Majestic Realty Trust Co., J. Alland, treas., 126 Tremont St. $150,000.

Mass., New Bedford—STORE and OFFICE—R. Fay, 33 Buttonwood St., taking blds 3 story, basement, 100 x 135 ft., brick, steel, plain found., Union and 2nd Sts. To exceed $150,000. H. Fallows, 131 Stewart St., Fall River, archt. Noted Mar. 1.

Mass., Taunton—KITCHEN—Oct. 25, by Dpt. Mental Diseases, State House, Boston, 3 story, basement, brick, plain found., at State Hospital. $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted July 19.

Mass., Worcester — APARTMENT — E. Rosenthall, c/o Berenson & Moses, archts., 252 Asylum St., Hartford, Conn., taking bids 4 story, 50 x 100 ft., brick, steel, Washington and Franklin Sts. $150,000. Noted Sept. 20.

N. Y., Astoria—APARTMENT—See "Contracts Awarded."

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Buildings—Commercial (Continued)

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—ARMORY—Oct. 24, by Armory Bd., J. B. Trainer, secy. Municipal Bldg., general contract altering and constructing additions to 2nd Battalion, 105th Field Artillery Armory, Franklin Ave. and 166th, Bronx Boro. Noted May 12, 1927.

N. Y., New York—APARTMENT—Ninety-Eight Riverside Drive Corp., 2095 Bway., taking bids separate contracts 16 story apartment, 99 Riverside Dr. G. F. Pelham, 570 7th Ave., archt. Noted Sept. 27.

N. Y., Niagara Falls—OFFICE—J. A. Johnson, archt., Ellicott Sq., taking bids and open same about Oct. 22, 20 story, 65 x 75 ft., rein.-con., steel, 1st and Elk Aves., for Niagara Falls United Office Co. $650,000.

N. J., Bayonne — MUNICIPAL — City, W. P. Lee, clk., City Hall, bids about Nov. 1, 4 story, basement, brick ,steel, plain found., Ave. C between 27th and 28th Sts. $250,000. P. A. Vivarttas, 110 48th St., Union City, archt.

N. J., Bradley Beach—APARTMENT—See "Contracts Awarded."

N. J., Jersey City — HOTEL — P. L. Schultz, archt., 256 Summit Ave., Union City, taking bids general contract 11 story, basement, 50 x 105 ft., brick, steel, plain found., 329-33 Fairmount St., for Fairmount Hotel, c/o architect. $300,000. Noted Sept. 13.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENT and STORE—See "Contracts Awarded."

N. J., Nutley—APARTMENT—See "Contracts Awarded."

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Pa., Phila.—APARTMENT and GARAGE —See "Contracts Awarded."

Mich., Detroit — EXCHANGE — Oct. 26, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 5 story side addition, 2 story top addition, rein.-con., brick, steel, plain found., Bethune St., for Michigan Bell Telephone Co., 1365 Cass Ave. $500,000.

Ill., Chicago — APARTMENT — Bogeaus Constr. Co. (general contractors), 180 North Michigan Ave., taking bids sub-contracts 20 story, basement, 75 x 134 ft., Wrightwood Ave. and Hampton Court, for B. E. Bogeaus, 180 North Michigan Ave.

Ill., Chicago — APARTMENT — Koenigsburg & Weisfeld, archts., 155 North Clark St., taking bids 8 story, basement, 56 x 174 ft., rein.-con., brick, 546 Arlington Pl., for S. Clifford & Co., 111 West Washington St. $500,000. Noted Sept. 20.

Ill., Chicago — APARTMENT — P. F. Olsen, archt., 720 Cass St., taking bids 6 story, basement, 98 x 187 ft., rein.-con., brick, plain found., 74th St. and Phillips Ave., for J. J. Cundy, 6759 Cornell Ave. $600,000.

Ill., Chicago — APARTMENT — L. F. Urbain, archt., 1254 Lake Shore Dr., taking bids 6 story, basement, rein.-con., brick, terra cotta, Ashland Ave. and Pratt Blvd., for Rogers Park Building Corp., c/o architect. F. A. Randall, 222 North Wells St., engr.

Ill., Chicago — APARTMENT — L. F. Urbain, archt., 1254 Lake Shore Dr., taking bids 11 story, English basement, rein.-con., brick, terra cotta, 5525 Hyde Park Blvd., for Syndicate, c/o architect. $500,000. F. A. Randall, 222 North Wells St., engr.

Ill., Evanston—HOSPITAL—H. J. Gaul, archt., 228 East Superior St., Chicago, taking bids 4 story, basement, 50 x 250 ft., brick, steel, hollow tile, plain found., 355 Ridge Ave., for S. Francis Hospital. $500,000. Noted Sept. 20.

Kan., St. John—COURT—Oct. 30, by V. Hahn, clk. Stafford Co., 3 story, rein.-con., brick, stone court building. $150,000. Mann & Co., 722 Rorabaugh-Wiley Bldg., Hutchinson, archts. Noted Sept. 13.

Mo., St. Louis—HOSPITAL—Oct. 22, by T. P. Barnett Co., archts., 1556 Arcade Bldg., 4 and 7 story, basement, rein.-con., brick, stone, Oakland Ave. west of Clayton Ave., for Deaconess Home & Hospital, c/o E. P. Jens, supt., 4137 West Belle Pl. $800,000.

Tex., Beaumont—Nov. 5, by T. N. Whitehurst, 2190 Orange St., chn. building com. Y. M. C. A., c/o H. Harrison, secy., 3 and 4 story, 100 x 128 ft., brick, stone, rein.-con., steel, Calder Ave. $400,000. Tisdale, Stone & Pinson, 1103 Goodhue Bldg., archts. Noted Aug. 9.

Tex., Corpus Christi—THEATRE—W. M. Marks taking bids 2 story, part basement, 60 x 150 ft., brick, steel, stone, concrete, 1,750 seating capacity. $160,000. Kelwood Co., Travis Bldg., San Antonio, archts.

Tex., El Paso—THEATRE—Dent Theatres, Inc., 2009½ Jackson St., Dallas, bids about Nov. 15, 4 story, 100 x 200 ft., brick, stone, steel, rein.-con. theatre. $450,000. W. S. Dunne, Melba Bldg., Dallas, archt. Noted Aug. 23.

Tex., New Braunfels — HOTEL — New Braunfels Hotel Co., Inc., c/o E. Fisher, taking bids 4 story, part basement, 75 x 100 ft., rein.-con., brick, plain found. $150,000. H. P. Smith, archt., and W. E. Simpson & Co., engrs., both Natl. Bank of Comerce Bldg., San Antonio. Noted Sept. 6.

Wash., Everett — THEATRE — D. F. White, archt., bids about Nov. 1, 1 story, balcony motion picture theatre, 1,400 seating capacity, for R. L. Brown & F. E. Smith, c/o architect. $200,000.

Calif., Los Angeles—APARTMENT—M. R. Hollingsworth, archt., 1308 Financial Center Bldg., taking sub-trade bids 7 story, basement, 62 x 140 ft., concrete, for M. Pixler. $250,000.

Ont., Ford City — THEATRE — S. Meretsky, 840 Ouellette Ave., Windsor, bids about Jan. 1, brick, steel, stone, Ottawa St. $200,000.

Contracts Awarded

N. H., Wilton—BANK—Wilton Natl. Bank, c/o T. M. James Co., archts., 3 Park St., Boston, Mass., 1 and 2 story, basement, rein.-con., brick, steel, plain found., to L. H. Shattuck, Inc., 208 Granite St., Manchester. Est. $150,000.

Vt., Rutland—STORE and OFFICE—C. B. Hinsman, c/o Hutchins & French, archts., 11 Beacon St., Boston, Mass., 6 story, basement, 50 x 85 ft., brick, steel, stone, plain found., Merchants Row, to C. D. Marsh Constr. Co., Woodsville, N. H. Est. $160,000.

Mass., Boston—APARTMENT—S. Pergner, 96 Beals St., Brookline, five 3 story, basement, irregular sized, brick, units, plain founds., Seavy and Brookside Sts., separate contracts. Est. exceeds $150,000. Eisenberg & Feer, 46 Cornhill, archts.

Mass., Brighton (sta. Boston)—APARTMENT—J. R. Casso, 171 Holworthy St., Cambridge, 4 story, basement, irregular sized, brick, plain found., Chester and Gardner Sts., separate contracts. $200,000.

Conn., Danbury—APARTMENT—Miller Constr. Co., 9th Ave., 3 story, brick, Deer Hill Ave. $150,000. Owner builds. Private plans.

Mass., Dorchester (Sta. Boston)—APARTMENT—R. C. Estes, 7 Cushing Ave., 5 story, brick, steel, Columbia St. Owner builds. $200,000. S. E. Moffie, 53 Cornhill, Boston, archt.

Mass., Malden (br. Boston)—APARTMENT—Malden Realty Trust, 45 Cross St., 4 story, basement, 70 x 85 ft., brick, stone, plain found., Rockland Ave., to Cushing & Weinstein, 45 Cross St. Est. $150,000.

Mass., Newton (Ind. br. Boston)—FIRE ALARM and POLICE SIGNAL HEADQUARTERS—C. C. Chadwick, comr. P. Buildings, 2 story, basement, fire alarm and police signal headquarters, Willow St. (Newton Centre), to C. H. Cunningham & Sons, 23 Central Ave., Lynn. Est. $225,000. Noted Oct. 4.

Mass., Springfield — APARTMENT — M. Bennett, 62 Osgood St., 4 story, brick, steel, High and Myrtle Sts. Owner builds. $150,000. J. W. Foster, 105 Bridge St., archt.

Mass., Springfield — APARTMENT — C. LaBelle, 14 Jenks St., 4 story, brick, Woodside Ave. Owner builds. $150,000. H. J. Tessier, 1132 Main St., archt.

N. Y., Astoria—APARTMENT—Yuban Realty Corp., 16 Court St., Brooklyn, 6 story, 59 x 164 ft., brick, timber, separate contracts. $325,000. M. Rothstein, 186 Joralemon St., Brooklyn, archt. Noted Oct. 4.

N. Y., Brooklyn—APARTMENT—Five Tennis Court Corp., 885 Flatbush Ave., 6 story, 110 x 158 ft. apartment, separate contracts. $500,000. W. T. McCarthy, 159 Remsen St., archt. Noted Sept. 27.

N. Y., Brooklyn—APARTMENT—Footwell Realty Corp., C. Freedman, pres., 26 Court St., 6 story, 67 x 80 ft., brick, timber, separate contracts. $150,000. Cohn Bros., 361 Stone Ave., archts. Noted Sept. 27.

N. Y., Brooklyn—APARTMENT—Goldfeld Building Corp., B. Goldberg, pres., 1924 West 6th St., apartment, West St. and Ave. W., separate contracts. $190,000. M. Rothstein, 186 Joraleman St., archt.

N. Y., Brooklyn—APARTMENT—Saran Building Corp., N. Jerski, pres., 530 West 113th St., New York, 6 story, 96 x 150 ft., brick, steel, Ocean Parkway and Ocean View Ave., separate contracts. $250,000. Seelig & Finkelstein, 66 Court St., archts.

N. Y., Brooklyn—APARTMENTS—Redbro Realty Corp., F. F. Feit, assistant secy., 460 East 95th St., ten 3 story, 22 x 80 ft., brick, timber, separate contracts. $200,000. P. L. Kieswetter, 16 Court St., archt. Noted Sept. 27.

N. Y., New York—APARTMENT—Ashwood Realty Corp., S. Silver, pres., 215 West 75th St., 16 story, brick, timber, 40 East 58th St., separate contracts. $1,500,000. G. F. Pelham, 570 7th Ave., archt. Noted Oct. 4.

N. Y., New York—APARTMENT—Avenue Realty Corp., c/o E. Roth, archt., 1440 Bway., 15 story, 76 x 88 ft. apartment, 130-134 East End Ave., to Gresham Constr. Co., 18 East 48th St. Est. $450,000. Noted Oct. 11.

N. Y., New York — APARTMENT — Bricken Constr. Co., 1385 Bway., 15 story, 201 x 244 ft., brick, steel, 101 East 93rd St., separate contracts. $4,500,000. Schwartz & Gross, 347 5th Ave., archts. Noted Sept. 27.

N. Y., New York—APARTMENT—Guerlain Building Corp., N. Fink, pres., 20 Northern Ave., 6 story, brick, timber, separate contracts. $200,000. G. G. Miller, 1482 Bway., archt. Noted Oct. 4.

N. Y., New York — APARTMENT — P. Herschowky, 1754 University Ave., 6 story, 87 x 175 ft., 171st St. and Wythe Pl., separate contracts. $300,000. C. Kreymborg, 2534 Marion Ave., archt.

N. Y., New York—APARTMENT—Hersco Constr. Co., P. Herschowsky, pres., 1754 University Ave., 6 sotry, 87 x 175 ft., brick, timber, 172nd St. and Wythe Pl., separate contracts. $300,000. C. Kreymborg, 2534 Marion Ave., archt.

N. Y., New York—APARTMENT—Hudson Cliff Building Co., H. Kranichfeld, pres., 286 Audubon Ave., 6 story, 90 x 170 ft., brick, timber, separate contracts. $400,000. G. A. Bagge & Son, 157 East 44th St., archts. Noted Oct. 4.

N. Y., New York — APARTMENT — Mariangelo Cuscuolo, 29 West 182d St., 6 story, 90 x 100 ft., brick, timber, Davidson Ave. and 182nd St., separate contracts. $200,000. P. Lubroth, 283 East Kingsbridge Rd., archt. Noted Sept. 27.

N. Y., New York — APARTMENT — One Thousand Seven Hundred Fifty Van Buren Street Corp., M. Wurtzel, pres., 1315 Webster Ave., 6 story, brick, timber, Kingsbridge Rd. and 236th St., separate contracts. $250,000. S. Pelton, 55 West 42nd St., archt. Noted Oct. 4.

N. Y., New York—APARTMENT—Paulbro Realties, Inc., M. Heller, pres., 4197 Park Ave., 6 story, 82 x 100 ft., brick, timber, separate contracts. $200,000. Glick & Duma, 400 East Fordham Rd., archts. Noted Oct. 4.

N. Y., New York—APARTMENT—Penrose Holding Corp., F. C. Ingolia, pres., 1001 Morris Ave., brick, timber, Fowler and Van Nest Aves., separate contracts. $290,000. E. R. Kane, 1044 East Tremont Ave., archt. Noted Sept. 27.

N. Y., New York—APARTMENT—Quo Kay Building Corp., L. Katz, pres., 391 East 149th St., 6 story, 87 x 150 ft., brick, timber, Boynton and Westchester Aves., separate contracts. $280,000. G. G. Miller, 1482 Bway., archts.

N. Y., New York—APARTMENT—Rujan Realty Corp., J. Janos, pres., 349 East 149th St., 6 story, 90 x 150 ft., brick, timber, Fteley Ave. and 172nd St., separate contracts. $150,000. P. M. Oltarsh, 36 West 44th St., archt. Noted Sept. 27.

N. Y., Flushing—APARTMENT—Setlin Realty Corp., 1482 Bway., New York, 6 story, 85 x 115 ft., brick, timber, Franklin Ave. and Kissena Blvd., separate contracts. $180,000. A. H. Eccles, 76 Hoyt Ave., Astoria, archt. Noted Oct. 4.

N. Y., New York — APARTMENT — Seventy-Five Central Park West Corp., c/o contractor, 15 story, 100 x 100 ft. site, Central Park West and 67th St., to Fred T. Ley, 321 West 44th St. Est. $1,000,000.

N. Y., New York — APARTMENT — Warner Realty Corp., M. Goldstein, pres., 1636 Nelson Ave., 6 story, 78 x 93 ft., brick, timber, Inwood Ave. and 72nd St., separate contracts. $150,000. Glick & Duma, 400 East Fordham Rd., archts. Noted Oct. 4.

N. Y., New York — APARTMENTS — Grand Concourse Apartments, Inc., 332 East 149th St., 6 story, 202 x 244 ft., $850,000; 6 story, 117 x 150 ft. $350,000, 6 story, 82 x 161 ft. $300,000, all brick, timber, 196th St. and Valentine Ave., separate contracts. Noted Oct. 4.

N. Y., New York — APARTMENT and HOTEL—Sailors Snug Harbor, 262 Green St., 9 story apartment hotel, to William Kennedy, 215 Montague St., Brooklyn. Est. $1,000,000. Noted Aug. 30.

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Buildings—Commercial (Continued)

N. Y., New York — SETTLEMENT — Block & Hesse, archts., 18 East 41st St., general contract 4 story settlement house, to H. P. Wright, 207 East 43rd St., for Bronx House, Inc., H. Morgantheau, pres., 1637 Washington Ave. Est. $150,000. Noted June 28.

N. Y., New York—WAREHOUSE—New York Steam Corp., 280 Madison Ave., 9 story, 46 x 100 ft., rein.-con., foot East 36th St., to Turner Constr. Co., 420 Lexington Ave.

N. J., Asbury Park — THEATRE, CONVENTION HALL ad AMUSEMENT PIER —Bd. City Comrs., City Hall, general contract 3 and 4 story, 250 x 270 ft., brick, steel, plain found., to Turner Constr. Co., 420 Lexington Ave., New York, $1,387,000; plumbing, to John Weil Plumbing Co., 328 East 33rd St., New York, $62,000; heating and ventilating, to E. G. Woolfolk Co., 15 West 38th St., New York, $113,465; electrical work, to J. L. Goodrich, 720 Lexington Ave., New York, $135,210; elevators, to Otis Elevator Co., 11th Ave. and 26th St., New York, $14,300. Grand total $1,711,-975. Noted Oct. 4.

N. J., Bradley Beach—APARTMENT—Wolfson Constr. Co., 85 2nd Ave., Long Branch, 3 story, basement, 86 x 150 ft., brick, steel, plain found., 2nd Ave., separate contracts. $150,000. S. Cohen, 134 Branford Pl., Newark, archt. Noted Oct. 11.

N. J., Hackensack — COMMUNITY CENTRE—Y.M.H.A. of Bergen Co., C. Plager, chn. Building Comn., 211 Essex St., general contract 3 story, basement, 90 x 130 ft., brick, steel, plain found., to A. A. LaFountain, Inc., Beech St. Est. $150,000. Noted Apr. 19.

N. J., Newark—APARTMENT—Composite Constr. Co., 60 Park Pl., 4 story, basement, 90 x 115 ft., brick, stone, steel, plain found., 720 Sanford St., separate contracts. $150,000. R. Bottelli, 45 Branford Pl., archts.

N. J., Newark — APARTMENT and STORE—Tenro Development, Inc., 147 Market St., 5 story, basement, 100 x 134 ft., brick, steel, separate contracts. $250,000. H. F. Clark, 38 Clinton St., archt. Noted Sept. 27.

N. J., Nutley—APARTMENT—N. P. Maria, 357 Clifton Ove., Newark, 3 story, basement, 115 x 115 ft., brick, steel, plain found., 335-37 Park Ave., own forces. $150,000. Noted

Pa., Harrisburg—TEMPLE—Zembo Temple, Nobles of Mystic Shrine, Chestnut St., general contract 1 and 2 story, 167 x 329 ft., stone, concrete found., 3rd and Division Sts., to C. W. Strayer, Front St., $529,000. Noted Sept. 20. Electrical work, to C. M. Davis & Son, $21,207; heating and ventilating apparatus, to Herre Bros., Harrisburg, $9,057.

Pa., Phila. — APARTMENT — Beebee Constr. Co., c/o Brown Bros., Fox Bldg., 4 story, basement, 60 x 100 ft., brick, steel, plain found., 13th and Nedro Sts., separate contracts. $200,000. Thalheimer & Weitz, 10 South 18th St., archts.

Pa., Phila. — APARTMENT — John J. Loughran & Sons, Inc., 16th and Grange Sts., 4 story, basement, 85.5 x 330 ft., rein.-con., brick, steel, plain found., Clearview and 15th Sts., separate contracts. $700,-000. K. T. Otto, 1828 Arch St., archt.

Pa., Phila.—APARTMENT and GARAGE —M. Kirschner, Vernon Rd. and Milton St., 4 story, basement, irregular shaped, rein.-con., brick, steel, plain found., Tulpehocken and Wayne Aves., separate contracts. $400,000. J. E. Fieldstein, Otis Bldg., archt.

Pa., Phila.—STORE and OFFICE—R. E. White, archt., Penna. Bldg., 2 story, basement, 100 x 225 ft., rein.-con., brick, steel, plain found., to D. Lutz, 23rd and Chestnut Sts., for E. M. Harris, Mutual Trust Bldg. Est. $300,000. Noted Sept. 20.

Md., Sykesville — INFIRMARY — H. P. Hopkins, archt., 347 North Charles St., general contract 2 story, 98 x 120 ft., rein.-con. brick, cut stone, to Davis Constr. Co., 9 West Chase St., Baltimore, for Springfield State Hospital. $97,850. Noted Sept. 27.

La., Shreveport — AUDITORIUM — L. E. Thomas, mayor, general contract 2 story, basement, 128 x 212 ft., rein.-con., brick, steel, Grand Ave. and Renold St., to Glassell-Wilson Co., Inc., 919 Texas St., $462,-605; electrical work, to Cahn Electric Co., 826 Baronne St., New Orleans, $27,050. Rejected bids plumbing, heating, ventilating. Will readvertise.

O., Cleveland—APARTMENT HOTEL—Owners Investment Co., c/o W. J. Austin, 16 story, brick, steel, concrete, South 105th St. and Carnegie Ave., to Austin Co., 16112 Euclid Ave. Est. $1,000,000.

O., Cleveland — WAREHOUSE — W. S. Tyler Co., G. Zimmerman, secy., 3600 Superior Ave., 5 and 7 story, 66 x 97 x 123 ft., rein.-con., brick addition, East 36th St., to John Gill & Sons, Bulkley Bldg. Est. $350,000. Noted Sept. 20.

Ind., Ft. Wayne — ARMORY — Indiana Natl. Guard, State House, Indianapolis, rein.-con., brick, stone, to Ostrom Realty & Constr. Co., Peoples Bank Bldg., Indianapolis. Est. $150,000.

Ind., Muncie—HOSPITAL and NURSES HOME — Muncie Home Hospital, general contract 4 story, basement, 60 x 200 ft., brick, steel, stone, to A. J. Glaser, 610 South Jefferson St. Est. $250,000. Noted Sept. 6.

Mich., Detroit — APARTMENT — Dunitz Bros., 1336 Dime Bank Bldg., 4 story, basement, 45 x 98 ft., concrete, brick, steel, stone, plain found., Euclid Ave. $150,000. Owner builds. Wiedmaier & Gay, 37 East Grand River Ave., archts.

Mich., Detroit—APARTMENT—B. Goldberg, 1210 Penobscot Bldg., 4 story, basement, 90 x 100 ft., concrete, brick, steel, plain found., Woodrow Wilson Ave., to Fullerton Constr. Co., Industrial Bank Bldg. Est. $200,000.

Mich., Detroit—HOTEL—S. Plotkin, 604 Lafayette Bldg., 4 story, basement, 48 x 150 ft., brick, steel, limestone, plain found., West Grand Blvd. $200,000. Owner builds. M. A. Finkel, 1333 Book Bldg., archt.

Ill., Chicago — APARTMENT — Lowenberg & Lowenberg, archts., 111 West Monroe St., masonry and carpentry contracts 3 story, English basement, 125 x 264 ft., to Ericksen-Christianson Co., 6437 South Park Ave.; plumbing, to J. Schiller & Co., 1512 West Roosevelt Rd.; heating, to E. Stevenson & Co., 6140 South Western Ave., for G. S. Lurie, 178 West Jackson Blvd. Est. $500,000. Noted July 26.

Ill., Chicago—APARTMENT—B. L. Steif & Co., archt., 307 North Michigan Ave., masonry, concrete and tile partition, contract 20 story, basement, 65 x 116 ft., brick, steel, to C. E. Erickson & Co., 4753 Bway.; 600 tons reinforcing bars, to Calumet Steel Co., 208 South La Salle St. Est. $1,500,000. Noted Sept. 20.

Mo., St. Louis — STORE and APARTMENT — Owner, c/o L. F. Abrams, archt., 1123 Chemical Bldg., 3 story, basement, 50 x 126 ft., rein.-con., brick, terra cotta, Hodiamont and Easton Sts., to Sol Abrahams & Son, 1123 Chemical Bldg.

Tex., Beaumont—PUBLISHING PLANT —Beaumont Enterprise & Journal, 441 Mulberry St., and J. Maples, Beaumont, general contract 3 story, 60 x 124 ft., brick, steel, cast stone, to Christi-Doph Constr. Co., Constr.—Ind. Bldg., Dallas. Noted Sept. 13.

Tex., Pampa—COURTHOUSE—Gray Co., c/o T. M. Wolfe, judge, 4 story, 86 x 120 ft., rein.-con., brick, steel, to H. L. Case, Pampa, $213,000. Noted Sept. 13.

Okla., Tulsa — APARTMENT — Hurley Park Investment Co., Tuloma Bldg., 9 story, basement, 100 x 140 ft., rein.-con., brick, plain found., Main St., to R. R. Parks, c/o owner. Est. $500,000.

Wash., Seattle—GARAGE and SALES—C. O. Radford, Natl. Bank of Commerce Bldg., 2 story, basement, 24 x 120 ft., masonry garage and auto sales building, to Howard S. Wright & Son, 2410 1st Ave., $155,000.

Wash., Seattle—HOSPITAL—Dawnland Inn, c/o V. W. Vorhees, archt., Lloyd Bldg., (1st unit) 6 story, basement, 43 x 120 ft. fireproof, to Hans Pederson, 1105 2nd Ave., $230,000. Noted Sept. 27.

Calif., Long Beach—STORE and OFFICE —Long Beach Professional Bldg. Corp., 8 story, 150 x 150 ft., brick, stone, steel, 8th St. and Pine Ave., to W. D. Lee, 704 Textile Center Bldg., Los Angeles, $400,000.

Calif., Long Beach — STORE and OFFICE — W. L. Portfield, 5 to 9 story, basement, rein.-con., cast stone, Ocean Blvd. and Pine St., to Meyer & Holler, Wright-Callendar Bldg., Los Angeles. Est. $600,000.

Calif., Los Angeles — APARTMENT — J. H. Layton, 780 East 37th St., 7 story, basement, 93 x 118 ft., rein.-con., stone, steel, Carondelet St. and Ocean View Ave., to Capital Building Co., 20 East 4th St., $275,000.

Calif., Los Angeles — APARTMENT — C. E. Malin, 724½ Sweetzer St., 5 story, basement, 83 x 166 ft., brick, stone, 1639 Alexandria Ave., to Arthur Bard Co., 315 West 9th St., $175,000.

Calif., Los Angeles — CLUBHOUSE — Pacific Electric R.R. Co., South Los Angeles St., 5 story, basement, 50 x 150 ft., marble tile, rein.-con., incl. ballroom, swimming pool, gymnasium, South Los Angeles St. between 6th and 7th Sts., to P. J. Walker Co., W. M. Garland Bldg., $300,000. Noted Oct. 4.

Ont., Guelph — MAUSOLEUM — Canada Mausoleums Ltd., Metropolitan Bldg., Toronto, 50 x 117 ft., stone, marble, bronze, 330 crypts, Union Cemetery. $150,000. Owner builds. Cameron & Ralston, Bartlett Bldg., Windsor, archts.

Ont., Niagara Falls—HOTEL—Hennepin Hotel Co. Ltd., 7 story, basement, 73 x 155 ft., rein.-con., brick, steel, plain found., River Rd. and Queen St., to J. W. Butler Co. Ltd., Royal Bank Bldg., Toronto. Est. $750,000.

Ont., St. Catharines—Y. M. C. A., W. W. Park, chn. building com., new building, to W. H. Cooper, 6 Hughson St. N., Hamilton, $300,000. Noted June 14.

Ont., Toronto—APARTMENT—Balmoral Apartments Ltd., c/o Wilkie & Delamere, 302 Bay St., general contract 6 story, basement, 76 x 118 ft., rein.-con., brick, steel, tile, terrazo, to DeJonckheere Constr. Co. Ltd., 1207 Bay St. Est. $400,000. Noted Mar. 22.

Ont., Toronto—HOTEL—Hotel Toronto Ltd., c/o N. A. Armstrong Co., Ltd., archts., 7 King St. E., general contract 18 story, basement, 50 x 100 ft., concrete, brick, steel, stone, to W. H. Yates Constr. Co. Ltd., 95 King St. E. Est. $1,800,000. Noted July 19.

Ont., Toronto—OFFICE—F. H. Wilkes, archt., 96 Bloor St. W., general contract 17 story, basement, 98 x 220 ft., brick, steel, limestone, to Anglin Norcross Ltd., Temple Bldg.; excavation, to G. L. Campbell & Co., 88 Bway. Ave., for Canada Permanent Mortgage Corp., 14 Toronto St. Est. $1,-500,000. Noted Aug. 30.

Buildings—Educational, Religious

Proposed Work

Mass., Boston—CHURCH—St. Michael's Church, c/o R. T. Jackson, archt., 44 School St., sketches 1 story, basement church. $150,000 or more.

Mass., Plymouth — HIGH SCHOOL — Town, T. O. Bodell, supt. schools, plans by F. I. Cooper Corp., 172 Tremont St., Boston, and soon takes bids Senior and Junior High School, 2 story ,basement, brick, stone, plain found., Lincoln St. $250,000. Noted Dec. 22.

Mass., Roxbury (sta. Boston)—NURSES' HOME and CHILDRENS—New England Hospital for Women & Children, D. Hotton, pres., Bd. Trustees, The Beaconfield, Brookline, raising $400,000 funds, brick addition, Dimock St. Kendall, Taylor & Co., 142 Berkley St., Boston, archts.

Mass., Worcester—HOME—St. Francis Aid Society, J. H. Fontaine, soon lets contract 4 story, 80 x 125 ft., brick, steel, Thorne St. $200,000. O. E. Nault, 48 Hamilton St., archt. Noted Oct. 11.

R. I., Cranston—SCHOOL—City plans by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story, basement, 16 room, brick, plain found., Gansett Ave. $150,000 or more.

N. Y., Brooklyn — NURSES HOME — Brooklyn Nurses Home Assn., c/o E. G. Prince, 64 Avondale Ave., Valley Stream, bids after Jan. 1, 8 story, Washington and Greene Aves. $800,000. Turner & Bowden, 19 West 44th St., New York, archts. Noted May 31.

N. J., Hackensack — CHURCH — First Presbyterian Church, C. R. Kuebler, pastor, 280 Park St., 2 story, basement, brick, plain found., on 165 x 200 ft. site, Passaic and Union Sts. $200,000. Engineer and architect not selected.

Del., Milford — HIGH SCHOOL — Bd. Educ. Delaware School Foundation, A. J. Taylor, vice-pres., Du Pont Bldg., Wilmington, sketches by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., Junior and Senior High School, 2 story, basement, brick, steel, plain found. $150,000.

Del., New Castle—HIGH SCHOOL—Bd. Educ., Delaware School Foundation A. J. Taylor, vice pres., Du Pont Bldg., Wilmington, sketches by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., Junior and Senior High School, 2 story, basement, brick, steel, plain found. $250,000.

La., Scott—SCHOOL—Lafayette Parish School Bd., plans by W. T. Nolan, Canal Bank Bldg., New Orleans, 2 story, rein.-con., brick, rein.-con. found. $150,000.

O., Cleveland—CHURCH and SUNDAY SCHOOL—Cleveland Baptist Assn., c/o D. R. Sharp, secy., plans by A. G. Simon, Hippodrome Bldg., 1 story, 71 x 132 ft., brick, steel, Natchez Ave. $150,000.

Mich., Ann Arbor — DORMITORY — Bd. Regents University of Michigan plans by Malcolmson & Higginbotham, 1219 Griswold St., 5 story, basement, rein.-con., brick, steel, stone, plain found., Observatory St. $800,000.

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Buildings—Educational, Religious (Cont.)

Mich., Detroit — COMMUNITY — Baptist Union, H. C. Gleiss, supt., 1318 Russell St., plans by Amer. Baptist Home Mission Society, New York, 3 story, basement, rein.-con., brick, steel, plain found., Russell St. $200,000.

Mich., Detroit—SYNAGOGUE—Congregation Beth Tephila, J. Eisenman, rabbi, 2530 Philadelphia Ave., 2 story, basement, concrete, brick, steel, stone, plain found., 14th Ave. $175,000.

Mich., Grand Rapids—CHURCH—Bethlehem Lutheran Church revised plans by Colton & Knecht, Grand Rapids Natl. Bank Bldg., Prospect St. Noted Sept. 20.

Ill., Champaign — CHURCH — McKinley Foundation Congregation plans by Holmes & Flynn, 6 South Dearborn St., Chicago, 2 story, brick, 400 East Daniel St. $200,000.

Tex., Austin—AUDITORIUM and GYMNASIUM—University of Texas, c/o Bd. Regents, H. J. L. Stark, chn., sketches by H. M. Greene, La Roche & Dahl, 307 Const. Inds. Bldg., Dallas, auditorium and gymnasium, campus grounds. $600,000.

Tex., Beaumont—HIGH SCHOOL—Bd. Educ., c/o M. E. Moore, pres., Weiss Bldg., soon takes bids 3 story, 164 x 323 ft., brick, hollow tile, stone, steel, incl. 1 story, 89 x 107 ft. gymnasium. $900,000. F. W. Steinman & Son, 410 San Jacinto Life Bldg., archts. Noted June 28.

Tex., Houston—CHURCH and EDUCATIONAL—St. Paul's Methodist Church, c/o W. W. Fondren, chn. building com., 3410 Montrose Blvd., revised plans by A. C. Finn, 505 Bankers Mortgage Bldg., 1 story, 81 x 179 ft. church, and 3 story, 88 x 129 ft. sunday school building, rein.-con., brick, stone, steel, concrete founds., Main Blvd. between Binz and Calumet Sts. $500,000. Former bids rejected. Noted Aug. 30.

Tex., Waco—DORMITORY—Baylor University, c/o S. P. Brooks, pres., plans by B. D. Easterwood, 614 Liberty Bank Bldg., brick, stone, rein.-con. memorial dormitory for women, campus. $350,000. H. L. Spicer, Amicable Bldg., structural engr.

Okla., Tulsa — LIBRARY and PETROLEUM — Tulsa University 7th and College Sts., sketches library and petroleum buildings. $150,000 each. Engineer and architect not selected.

Ore., Mt. Angel—COLLEGE—Mt. Angel College, B. Murphy, pres., rebuilding college, recently destroyed by fire. $150,000.

Calif., Berkeley—MUSEUM and AUDITORIUM—Regents University of California, fireproof museum and auditorium, on University Campus. $1,000,000.

Calif., Fullerton — HIGH SCHOOL and AUDITORIUM — Fullerton Union High School Dist. plans by C. M. Winslow, 1001 Architect Bldg., Los Angeles, stucco, clay, steel, Harvard Ave. and Chapman St. $200,000.

Calif., Los Angeles — CHURCH — First Congregational Church, 845 South Hope St., plans by Allison & Allison, 1005 Hibernian Bldg., Church and Sunday School, 6th St. and Commonwealth Ave. $750,000. Noted June 9, 1927.

Calif., Los Angeles — HOME — Hebrew Sheltering Home for Aged Assn. plans by M. Hunt, 1107 Hibernian Bldg., 4 story, rein.-con., 325 South Boyle Ave. $200,000.

Calif., Ontario — SCHOOLS — Chaffey Union High School Dist., sketches by Allison & Allison, Hibernian Bldg., Los Angeles, schools. Bonds to exceed $500,000 to be voted on soon for same.

Calif., San Francisco—MUSEUM—Trustees M. H. DeYoung Memorial Museum, Golden Gate Park, plans by F. H. Meyer, 742 Market St., 2 story, steel, concrete addition. $150,000.

Ont., Ottawa — CHURCH — Ottawa Catholic Church, 143 St., Patrick St., J. O. Dowd, Old Chelsea, pastor, soon takes bids new church, Metcalfe St. $175,000.

Ont., Ottawa—HIGH SCHOOL—Grey Sisters of Immaculate Conception, Pembroke, new girls high school, Bronson Ave. $300,000. Engineer and architect not selected.

Ont., Toronto — CHURCH — Metropolitan United Church, Queen and Church Sts., plans by J. Gibb Morton, 61 Dixon Ave., 1 story, basement, 68 x 168 ft., brick, steel, plain found., Queen St. E. $250,000. Noted Apr. 19.

Ont., Toronto — COLLEGE — Mathers & Haldenby, archts., 96 Bloor St. W., soon take bids 3 story, basement, 65 x 140 ft., concrete, brick, stone, steel, Spadina Rd., for Toronto Bible College, 110 College St. $150,000.

Ont., Toronto — COMMUNITY — Metropolitan United Church, Church and Queen Sts., plans by J. G. Morton, 61 Dixon Ave., 1 and 2 story, basement, brick, stone, concrete found. $150,000.

Bids Desired

Me., Waterford — CHURCH and COMMUNITY HOUSE — First Parish Church, A. C. Townsend, pastor, taking bids 2 story, basement, brick, timber, plain found. To exceed $150,000. J. C. and J. H. Stevens, 477 Congress St., Portland, archts.

Mass., Brookline (br. Boston)—SCHOOL—Dexter School, F. J. Bradlee, Jr., treas., 35 Congress St., Boston, taking bids 2 story, basement, 45 x 165 ft., brick, stone, plain found., 169 Freeman St. $150,000. Perry Shaw & Hepburn, 177 State St., Boston, archts. French & Hubbard, 210 South St., Boston, engrs.

N. Y., Carmel — HIGH SCHOOL — Bd. Educ. bids about Nov. 10, Commercial High School. $200,000. Knapp & Morris, 171 Madison Ave., New York, archts.

N. Y., Coney Island (Sta. Brooklyn) — HIGH SCHOOL—Nov. 13, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Abraham Lincoln High School, Ocean Parkway and West Ave. Noted Dec. 1 under "Brooklyn."

N. Y., New York—SCHOOL—Oct. 23, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 92, Clinton and Crotona Aves., East 178th and East 179th Sts., for Bd. Educ., 500 Park Ave. Noted July 26.

N. J., East Orange—CHURCH—Oct. 22, by Holy Name of Jesus Parish, E. A. Deegen, pastor, 1 story, 75 x 160 ft., limestone, marble, artificial stone, Midland and Todd Sts. $300,000. Maginnis & Walsh, Statler Bldg., Boston, Mass., archts.

Pa., Greensburg — GYMNASIUM—Seton Hill College taking bids and open same about Oct. 22, 3 story, basement, 70 x 150 ft., brick, steel. $150,000. C. G. Strong, Keystone Bldg., Pittsburgh, archt. Noted Oct. 11.

Pa., State College—DORMITORY—Oct. 23, by Pennsylvania State College, R. I. Webbs, supt., 3 story, basement, brick, steel dormitory. $200,000. C. Z. Klauder, 1439 Walnut St., Phila., archt.

Ill., Chicago — DORMITORIES — H. J. Gaul, archt., 228 East Superior St., bids about Oct. 25, two 2 story, 50 x 120 ft., brick, 2001 Devon Ave., for Angel Guardian Orphanage, 2001 Devon Ave. $250,000.

Neb., Clay Center — HIGH SCHOOL — Oct. 25, by Bd. Educ. Dist. 70, H. A. Swanson, secy., Senior High School, 2 story, basement, 62 x 101 ft., brick, concrete. A. D. Baker, Clinic Bldg., Grand Island, archt.

Ore., Portland — HIGH SCHOOL — School Bd. Dist. 1, bids about Nov. 15, High School of Commerce, 3 story, basement, 80 x 100 ft., rein.-con., timber, plain found. $700,000. G. H. Jones, city archt. Noted Sept. 6.

Calif., Oakland—HIGH SCHOOL—Oct. 30, by Bd. Educ., 3 story, rein.-con., 18th and Market Sts. $250,000. J. I. Easterly, 2137 Tiffen Rd., archt. Noted June 21.

Contracts Awarded

Me., Portland—SCHOOL—School Bd., 2 story, basement, 60 x 145 ft., rein.-con., brick, plain found., to R. Kennedy Co., Middle St. Est. $150,000. Noted Oct. 4.

Mass., Newton (Ind. br. Boston) — SCHOOL—City, C. G. Chadwick, P. Buildings comr., City Hall, 3 story, basement, brick, stone, plain found., to Phandor Co., 18 Tremont St., Boston. Est. $200,000. Noted Sept. 13.

Mass., West Springfield (br. Springfield) —CHURCH—C. C. Coveney, archt., 184 Boylston St., Boston, 1 story, basement, brick, stone, plain found., to J. G. Roy & Sons, 21 Silver St., Springfield, for Church of Good Shepherd. $150,000. Noted Sept. 13.

N. Y., Brooklyn — COMMUNITY — Beth El Ohim, c/o D. Levy, archt., 110 East 42nd St., New York, 4 story, 105 x 112 ft., brick, stone, Garfield Pl. and 8th Ave., to W. Kennedy Co., 215 Montague St. Est. $500,000. Noted July 26.

N. Y., New York—HIGH SCHOOL—Bd. Educ., 500 Park Ave., general contract Evander Childs High School, to J. T. Brady & Co., 103 Park Ave., $2,320,000; heating, to Almirall & Co., 53 Park Pl., $299,390; electrical work, to Fischback & Moore, Inc., 226 East 41st St., $84,849; plumbing, to J. E. Kahn, 224 West 20th St., $152,907. Grand total $2,857,146. Noted Oct. 4.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P. S. 96, Waring Ave., to C. & W. Constr. Co., 400 East Fordham Rd., $501,340; plumbing, to Wells & Newton, 250 West 27th St., $28,995. Noted Sept. 27.

N. J., Glen Ridge—SCHOOL—Bd. Educ., 235 Ridgewood Ave., general contract 2 story, basement, 114 x 135 ft., brick, steel, plain found., Forrest Ave. and Glen Ridge Parkway, to E. M. Waldron, Inc., 60 Park Pl., Newark, $136,400. Noted Oct. 11.

N. J., Grantwood—PAROCHIAL SCHOOL—Epiphany Church, A. J. Ferretti, pastor, 22 Knox Ave., general contract 2 story, basement, brick, steel, plain found., Knox and Lafayette Aves., to Herring Bros., 23 31st St., Woodcliff. Est. $150,000.

N. J., Neptune (br. Asbury Park) — SCHOOL — Bd. Educ., South Main St., general contract 2 story, basement, 110 x 248 ft., brick, steel, plain found., to J. Sutherland, Inc., 133 South 15th St., Newark, $119,990. Noted Sept. 6.

N. J., New Milford — HIGH SCHOOL — Bd. Educ., Washington School, general contract 3 story, basement, brick, steel, plain found., to M. Millimet, 988 Bergenline Ave., Union City, $237,200; heating, to Johnston Heating Co., 332 East 47th St., New York, $36,415. Noted Oct. 11.

N. J., Pleasantville — SCHOOL — Bd. Educ., general contract 3 story, basement, 145 x 220 ft., brick, steel, plain found., Franklin Blvd., to A. B. Bowen, 1 South Delancey Pl., Atlantic City. Est. $650,000. Noted Sept. 20.

N. J., Red Bank — CHURCH — Calvary Baptist Church, general contract 2 story, basement, brick, steel, plain found., to W. B. Scott, Front St. Est. $150,000.

Pa. Sewickley — ACADEMY,— Sewickley Academy, Sewickley, and W. G. Eckles Co., archts., Lawrence Bd. of Trade Bldg., New Castle, general contract 3 story, basement, brick, stone, steel, to H. Wimer, Butler. Est. $300,000. Noted Sept. 27.

Miss., Alcorn—COLLEGE, etc.—Mississippi State Building Comn., W. C. Trotter, secy., Jackson, general contract, plumbing and lighting science, administration, girls dormitory and teachers cottages, at Alcorn Agricultural & Mechanical College, to W. J. McGee & Son, Jackson, $186,347; waterworks, to A. B. Hayden, Pass Christian, $24,429; wiring, to Thompson Electrical Co., 65 South 3rd St., Memphis, Tenn., $2,770; sewers, to H. M. Middleton, Hammond, La., $4,647; roads, to Boddie Constr. Co., Laurel, $11,996. Grand total $230,159. Noted Sept. 13.

O., St. Bernard—SCHOOL—J. F. Shebleassy, archt., 1202 Republic St., Cincinnati, 3 story, basement, rein.-con., brick, Main Ave., to M. J. Roche Constr. Co., 606 Southern Bank Bldg., for Order of St. Francis, 4536 Carthage Park. $500,000.

Ind., Eminence — SCHOOL — School Comrs., general contract 2 story, basement, brick, steel, to Pruitt & Master, Greencastle, plumbing and heating, to S. Wade, Mooresville; electrical work, to Madison Supply Co., Madison. Est. $150,000.

Mich., Detroit — CHURCH — Van Leyen, Schilling & Keough, archts., 3440 Cass Ave., 1 story, basement, 65 x 180 ft., brick, steel, plain found., for St. Gregorys Church, 15082 Dexter Blvd., to Corrick Bros., 507 Owen Building. Est. $150,000. Noted Aug. 30.

Mich., Muskegon — CHURCH — Central Methodist Episcopal Church, church, Muskegon St., to G. Lather Co., Muskegon. Noted Aug. 23.

Mich., Saginaw—SCHOOL—G. McClure, pres. Bd. Educ., Manual Training Bldg., general contract 2 story, basement, 122 x 156 ft., rein.-con., brick, steel, stone, plain found., to Weber Constr. Co., 514 Crapo Bldg., Bay City. Est. $166,000. Noted Oct. 4.

Mo., Florissant—SCHOOL—St. Louis Co. Day School, R. Thompson, headmaster, 2 story, basement, 76 x 139 ft., rein.-con., brick, stone addition, Brown Rd. north of Natural Bridge Rd., near Kinlock Park, to Woermann Constr. Co., Syndicate Trust Bldg., St. Louis.

Mo., St. Louis—CHURCH—Evangelical Lutheran Church of Messiah, C. Wehking, chn. building com., 2 story, basement, 80 x 114 ft., rein.-con., brick, stone, Grand and Pestalozzi Sts., to Kellerman Contg. Co., 421 Victoria Bldg.

Wash., Seattle — CHURCH — St. Marks Church (1st unit) 2 story, basement, 275 x 520 ft., stone, 1200 10th Ave. N., to Henry & McFee, Northern Life Bldg. $500,000. Total $2,000,000.

Ont., Windsor—HIGH SCHOOL—T. R. Noble, secy. Bd. Educ., City Hall, 2 and 3 story, basement, incl. 20 class rooms, gymnasium, auditorium, chemistry and physics laboratories, to G. H. Emery Co., Dowler Bldg., $413,555; heating and ventilating, to Drake Avery Co., Provincial Bank Bldg., $84,097; plumbing, to J. L'Heureux, 53 Wyandotte St. E., $40,340; electrical work, to G. S. Whelpton, 856 Hall Ave., $32,657. Grand total $570,649. Noted Sept. 13.

Federal Government Work

Proposed Work

Mass., Camp Devons (br. Boston)—BARRACKS and HOSPITAL — Constructing Quartermaster recalled bids to have been

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Federal Government Work (Cont.)

opened Oct. 15, battalion barrack and post office. Noted Sept. 20.

Pa., Sharpsburg—POOL, WALKS, etc.—U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., rejected bids Oct. 2, pool, walks, steps, at U. S. Veteran's Hospital. Noted Oct. 11.

D. C., Wash.—LIBRARY—U. S. Government, bids within 5 or 6 weeks 3 story, granite addition to Library of Congress. Noted July 26.

Mississippi — DREDGING — U. S. Engineer Office, Mobile, Ala., rejected bids Sept. 26, dredging in Pascagoula River and Mississippi Sound Channels. Work to be done by Government Plant. Noted Sept. 20.

La., New Orleans—DREDGING—U. S. Engineer Office, rejected bids Sept. 4, dredging in Little Cailbou Bayou. Work to be done by Government Plant. Noted Sept. 13.

Ill., Rock Island—BARGES—U. S. Engineer Office rejected bids Aug. 29, twenty fuel barges. Noted Aug. 9.

Bids Desired

N. J., Picatinny Arsenal (mail Dover)—ADMINISTRATION, etc. — Nov. 7 (extended date) by Constructing Quartermaster, constructing 38 buildings, incl. administration building, 13 buildings in Laboratory Area, 23 buildings in Melt Loading Area, 3 buildings in Shop Area; adv. E. N.-R. Oct. 18. Noted Oct. 4.

Md., Annapolis — COAL BUNKER — Spec. 5756 — Oct. 24, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., concrete coal bunker. Noted Oct. 11.

Va., Yorktown — FIRE ALARM CIRCUITS — Spec. 5379 — Oct. 31, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., fire alarm circuits at Navy Mine Depot.

Mississippi—CURRENT RETARDS—Nov. 2, by U. S. Engineer Office, Memphis, Tenn., in Mississippi River, at Trotters Bend, 3 mi. above Helena, Ark.; adv. E. N.-R. Oct. 18.

Miss., Corinth—EXTENSION—Nov. 16, by Treas. Dpt. at office Supervising Archt., Wash., D. C., extending U. S. Post Office; adv. E. N.-R. Oct. 18.

Miss., Gulfport—QUARTERS—Nov. 8, by U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., constructing officers quarters at U. S. Veteran's Hospital.

Mich., Wyandotte — POST OFFICE — Nov. 12, by Treas. Dpt., at office Supervising Archt., Wash., D. C., post office. J. A. Wetmore, acting superv. archt.

Ill., Rock Island—BARGE—Oct. 25, by Lighthouse Superintendent, steel supply barge for lighthouse tender Wakerobin.

N. M., Santa Fe—EXTENSION—Nov. 23, by Treas. Dpt., at office Supervising Archt., Wash., D. C., extending and remodeling at U. S. Court House.

Bids Received

N. Y., Elizabeth—POST OFFICE—Treas. Dpt., Oct. 5, at office Supervising Arcnt., Wash., D. C., remodeling, extending U. S. Post Office, from Agostini Bros. Co., Norfolk, Va., $139,060, add. $30,680. Noted Sept. 13.

N. Y., Ogdensburg—CHANGES—Treas. Dpt. at office Supervising Archt., Wash., D. C., changes in 2nd story U. S. Post Office, from English Constr. Co., 1311 H St. N. W., Wash., D. C., $2,300. Noted Sept. 13.

D. C., Wash. — NURSES HOME — Constructing Quartermaster, Army Medical Center, Oct. 5, nurses quarters, from G. E. Wynne, 2525 Penna. Ave. N. W., Wash., D. C., $433,300. Noted Sept. 13.

D. C., Wash. — ROADS — Constructing Quartermaster, Army Medical Center, Oct. 9, road, parking area, sidewalks, drainage system, sanitary sewer and water connections at Army Medical Center, from Maloney Paving Co., 3817 Alton Pl. N. W., $9,973. Noted Oct. 4.

Va., Norfolk — CONCRETE ROADS — Spec. 5665 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., Oct. 10, at Naval Hospital, from E. P. Lindsay, Portsmouth, $8,343. Noted Oct. 4.

Tenn., Memphis—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Oct. 9, 1 story addition, from Devault & Deitrick, Canton, O., $121,999. Noted Sept. 13.

Contracts Awarded

Conn., Norwalk—DREDGING—U. S. Engineer Office, Providence, R. I., dredging in Norwalk Harbor, to Arundel Corp., 2 Pratt St., Baltimore, Md., $56,166. Noted Sept. 6.

Pa., Pittsburgh—LOCK GATES—U. S. Engineer Office, one upper and one lower lock gates at Deadman Island Dam, Ohio River, to Dravo Contg. Co., Dravo Bldg., 302 Penn Ave., $102,563. Noted Sept. 13.

D. C., Wash.—MARINE ENGINE—Commissioner Fisheries, Dpt. Commerce, 150 hp. full diesel marine engine, to Bessemer Gas Engine Co., Grove City, Pa., $10,980. Noted Sept. 27.

D. C., Wash.—FOUNDATIONS—Treas. Dpt. at office Supervising Archt., Wash., D. C., foundations for Dpt. Commerce Building, to Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., $1,159,700. Noted Oct. 4.

Minn., Hastings—LOCK and DAM—U. S. Engineer Office, Arcade Bldg., St. Paul, lock and dam in Mississippi River, near here, to Fegles Constr. Co., 529 South 7th St., Minneapolis, $1,695,819. Noted Oct. 4.

Unclassified

Proposed Work

PIER, etc. — **Marion, Mass.** — Tabor Academy pile, timber pier, marine railway and rock excav. in Sippican Harbor. $25,000. Private plans.

TRAFFIC SIGNAL SYSTEM — **Union City, N. J.** — Bd. Council, City Hall, installing, furnishing traffic signal system in southerly section city to connect with present system. $50,000. J. C. Maulbeck, City Hall, engr.

ENTRANCE STRUCTURE — **Detroit, Mich.**—Washington Memorial Park Cemetery, c/o A. E. Harley, archt., 316 McKerchey Bldg., improving cemetery, incl. brick, concrete entrance structure, artificial lagoon with concrete base, sprinkler system and piping. $50,000.

SHIPPING DOCK — **Saginaw, Mich.** — Chevrolet Motor Car Co., Saginaw and General Motors Bldg., Detroit, shipping dock, incl. bulkhead, craneway, gantry crane with rein.-con. wall, slab dock on wood piles, dredging channel in Saginaw River. $50,000.

GAS MAINS—**Minneapolis, Minn.**—See "Buildings—Industrial."

FISH HATCHERY—**San Angelo, Tex.**—C. Wild, et al, St. Angelus Hotel Bldg., San Angelo, fish hatchery, rein.-con., near here. $50,000. Private plans.

HYDRO POWER DEVELOPMENT — **High Falls, Que.**—D. MacLaren and others, Buckingham, hydro power development, incl. large concrete dam, power house on Lievre River. $1,500,000.

Bids Desired

ATHLETIC FIELD — **Woburn, Mass.** — City, J. McDermott, engr., City Hall, taking bids athletic field on High School Grounds. $30,000. W. H. Punchard, 19 Arlington St., Boston, archt.

SUBWAY—**Brooklyn, N. Y.**—Oct. 26, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 6, Route 109, Rapid Transit R.R. along and under Prospect Ave. from point at or near Terrace Pl. to Greenwood Ave. and under private property and intersecting streets to East 3rd St. near Caton Ave.

BULKHEAD — **Maryland** — Oct. 23, by State Roads Comn., Baltimore, 450 ft. timber bulkhead, Contr. Wi-49, Wicomico Co J. N. Mackall, chn.

ENTRANCE GATE — **Detroit, Mich.** — Donaldson & Meier, archts., 1st Natl. Bank Bldg., taking bids and open same about Oct. 24, 1 story entrance gate structure, 70 ft. high, 167 ft. wide, concrete, steel, stone incl. waiting room and office, plain found., Ten Mile Rd., for Holy Sepulchre Cemetery, 1234 Washington Blvd. $175,000.

ORNAMENTAL LIGHTING SYSTEM—**Los Angeles, Calif.** — Oct. 29, by Supervs. Los Angeles Co., ornamental lighting system in Davidson City section. To exceed $30,000. Noted Sept. 13.

ELECTROLIER SYSTEM — **Oakland, Calif.** — Oct. 25, by F. C. Merritt, city clk., electrolier system in Clay and Washington Sts. Former bids rejected. G. N. Randle, city engr. Noted Sept. 20.

APRON WHARF—**San Pedro, Calif.**—Oct. 24, by Harbor Comn., New City Hall, Los Angeles, 32 x 192 ft. creosoted timber addition to apron wharf, Berth 174. G. Nicholson, Berth 90, engr. Major portion materials furnished by city.

Bids Received

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Oct. 9, constructing Sect. 5-A, Route 109, Rapid Transit R.R., from Columbia Contg. Co., 223 Bway., New York, $1,844,000. Noted Oct. 4.

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Oct. 11, constructing Sect. 2, Route 108, under Northern Blvd. (Jackson Ave.) and Steinway Ave., from J. F. Cogan Co., Grand Central Terminal, New York, $8,245,000. Noted Sept. 20.

Contracts Awarded

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn. 49 Lafayette St., Sect. 3, Route 106, under Grand Boulevard and Concourse from East 167th to East 175th Sts., to Clemente Contg. Co., 101 Park Ave., $4,813,000. Noted Sept. 20.

PIER SHED—**Baltimore, Md.**—At office City Register, City Hall, 1 story, 1,000 ft long, concrete, piling, decking, filling, steel, tile and brick pier shed, to North-Eastern Contg. Co., Lexington Bldg., $956,450. Noted Sept. 20.

UNDERPASS — **Birmingham, Ala.** — See "Streets and Roads."

UNDERPASS—**Prestonburg, Kan.** — See "Bridges."

GAS LINE EXTENSION — **Fort Smith, Ark.** — Citizens Gas Co., C. H. Harding, pres., 23,639 ft. 4 in. gathering pipe, 30,650 ft. 4- to 6-in. welded delivery line, 12 high pressure gate valves, 2 high pressure regulators, steel cable connections, clamp headers, reducers, day labor. Pipe awarded to Joseph Greenspons Sons Iron & Steel Co., 3130 North Hall St., St. Louis, Mo. Total $70,000. Hughes Eng. Co., 422½ Boston St., Tulsa, Okla., engrs.

GAS PIPE LINE — **Texas and Nebraska** —Texas Corp., 17 Battery Pl., New York, Columbian Carbon Co., 45 East 42nd St., New York and Skelly Oil Co., Skelly Bldg., Tulsa, Okla., 500 mi. 24 in. electrically welded pipe for natural gas pipe line from Amarillo, Tex., to Omaha, Neb., to A. O. Smith Corp., 120 Bway., New York, $8,000,000-$9,000,000. Total est. $25,000,000. Noted Mar. 22.

STEEL TANKS—**Big Lake, Tex.**—Big Lake Refinery Co., 20 bolted tanks from 100 to 1,000 bbl. capacity, to Drane-Humphrey Co., San Angelo, $30,000.

PIPE LINE—**Oklahoma, Missouri and Illinois**—Sinclair Oil Co., Sinclair Bldg., Tulsa, 336 mi. 8 to 12 in. oil pipe line from Drumright, Okla., to Chicago, Ill., to Hope Eng. Co., c/o owner. Noted Aug. 9.

DOCK—**Oakland, Calif.**—General Eng. & Drydock Co., foot of Schiller St., 600 ft. creosoted pile wharf, 30 ft. wide, foot of 5th Ave., to Duncanson-Harrelson, DeYoung Bldg., San Francisco.

TRAINING CAMP—**San Luis Obispo, Calif.**—Oct. 26, by U. S. Disbursing Officer, 1021 Forum Bldg., Sacramento, 15 kitchens and mess halls, 1 truck storage building, extending water sewer and electric lines at National Guard Training Camp, for State and Federal Government. $57,176. G. B. McDougal, Sacramento, state archt. Noted Oct. 4.

Materials

Bids Desired

CAST IRON PIPE—**Herkimer, N. Y.**—Oct. 29, by Municipal Comn., cast iron pipe. C. L. Wood, supt.

LUMBER—**Knoxville, Ia.**—Nov. 14, at office Auditor Marion Co., 5 car loads rough standard sawn fir plank, 1 car creosoted 3/12 yellow pine plank, 1 car load creosoted yellow pine or Tennessee red cedar piling. R. T. Johnson, Knoxville, co. engr.

PORTLAND CEMENT—**Merced, Calif.**—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Contracts Awarded

QUARRY STONE — **Wisconsin** — State and La Crosse Co. Hy. Comns., Madison, 1,600 cu.yd. quarry stone for LaCrosse-Coon Valley Rd., Project 5145, east of Bloomers Mills, to G. W. Ott, La Crosse $10,464; 1,800 cu.yd. for same road west of Bloomers Mills, to R. Schams, West Salem, $13,140.

TANKS — **Minneapolis, Minn.** — F. S. Gram, city purch. agt., three 25,000 gal. oil tanks for Ward 13, to William Bros. Boiler & Mfg. Co., Nicolet Island, $4,732. Noted Aug. 30.

PIPE—**Texas and Nebraska**—See "Unclassified."

Foreign

Spain — Segura & Jugar Hydro-electric Development Co., five 20,000 kw. plants, on Segura and Jugar Rivers, in southeastern Spain, to Fox Bros. International Corp., 33 Rector St., New York, N. Y. Est. $20,000,000.

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See Proposal advertising on page 134

UNIT PRICES

Tunnel—New York

Seven bids were opened by Board of Water Supply, Municipal Bldg., New York, Sept. 25, portion of city tunnel No. 2 in City of Yonkers, Westchester Co., and Borough of Bronx, Contract No. 224, difference between lowest and average 12 per cent. This portion of work consists of four contracts, Nos. 224, 225, 226 and 227, totaling $42,000,000. Bidders on Contract No. 224 are: (A) Carleton Co., Inc., Bway. and 42nd St.; (B) G. H. Flinn Corp., 9 East 41st St.; (C) Patrick McGovern, Inc., 50 East 42nd St., (awarded contract all sections); (D) P. F. Connolly Co., 9 Jackson Ave., Long Island City; (E) J. F. Cogan Co., Grand Central Terminal; (F) Rosoff Tunnel Corp., 475 5th Ave.; (G) Heyman & Goodman Co., 249 West 50th St. Unit bids follow:

	A	B	C	D	E	F	G
1,000 lin.ft. test borings	$8.00	$6.00	$7.00	$10.00	$10.00	$7.00	$6.00
6,500 cu.yd. sinking shafts 1A North, 1A South, 2A North and 2A South in earth	6.84	12.00	38.65	20.00	50.00	30.00	50.00
700 cu.yd. sinking shaft 3A and chamber foundation piers in earth	7.80	20.00	11.50	10.00	50.00	30.00	50.00
43,000 cu.yd. sinking shafts in rock	19.67	20.00	19.50	40.00	50.00	40.00	50.00
335,000 cu.yd. excav. of tunnel drifts and underground magazines	12.22	14.20	13.00	13.20	15.00	14.00	14.00
4,000 cu.yd. enlargements of shafts, tunnel and drifts	13.40	14.00	11.70	15.00	10.00	14.50	20.00
1,800,000 lb. furnishing and erect'g struct.-steel roof support	.08-1-10	.04½	.06½	.05	.03	.06	.09
150 M ft. B.M. permanent timbering in tunnel, drifts and underground magazines	150.00	69.00	130.00	200.00	60.00	125.00	140.00
300 ft. B.M. temp. timb'r'g in shafts, tunnel and drifts	150.00	69.00	115.00	150.00	60.00	125.00	300.00
4,000 cu.yd. dry packing in tunnel and drifts	6.00	3.00	5.00	5.00	2.00	5.00	10.00
200,000 million ft.-gal. pumping from shafts and tunnel during construction	.35	.10	.30	.50	.40	.30	.60
25,700 lin.ft. of shafts, tunnel and drifts, drainage channel for shafts, tunnel and drifts	2.50	.40	2.50	3.00	2.00	6.00	4.00
650 sq.ft. cutting channels for water-stops	5.00	5.00	.25	1.50	4.00	3.00	10.00
1,300,000 lb. steel interlining in Shafts 1A North and 2A So.	.11	.08	.07½	.08	.15	.14	.12
280,000 lb. steel interlining in risers	.12	.08	.07½	.10	.15	.20	.12
700 lin.ft. of shaft forms for masonry lining of Shaft 1A North	10.30	25.00	11.20	10.00	12.00	17.00	15.00
900 lin.ft. of shaft forms for masonry lining of Shafts 1A South and 1A North	10.30	20.00	9.50	10.00	15.00	18.00	12.00
1,000 lin.ft. of shaft forms for masonry lining of Shaft 2A South	11.00	20.00	8.50	10.00	10.00	17.00	12.00
1,250 lin.ft. of shaft forms for outer masonry lining of Shafts 2A and 4A	12.00	15.00	7.50	10.00	12.00	14.00	12.00
700 lin.ft. of riser forms for lining steel risers	15.00	15.00	8.00	10.00	4.00	15.00	5.00
22,000 lin.ft. of tunnel and drifts forms for masonry lining of tunnel and drifts	13.50	10.00	12.50	3.00	15.00	17.00	4.00
21,000 cu.yd. conc. masonry in shafts	9.00	11.00	14.80	13.50	10.00	18.00	15.00
120,000 cu.yd. conc. masonry in tunnel, drifts and underground magazines	8.40	11.00	13.85	13.00	10.00	12.00	10.80
5,000 cu.yd. exc. conc. mas'nry in shafts, tunnel and drft.	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Venturi meter castings and fittings, (lump sum)	20,000.00	17,800.00	16,200.00	25,000.00	15,000.00	18,000.00	
2,000 lin.ft. drilling 1¼-in. or smaller holes in rock or masonry	.75	1.00	.70	1.00	1.00	.30	2.00
5,000 lin.ft. drilling 1¾-in. to 2¼-in. holes in rock or masonry	1.00	2.00	.70	2.00	1.50	.60	2.00
15,000 lin.ft. steel pipes for grouting	.50	.50	.35	.50	.30	.30	1.00
Plant and equipment for grouting (lump sum)	40,000.00	16,000.00	12,000.00	5,000.00	15,000.00	60,000.00	....
3,000 connections making connections for grouting	3.00	3.00	2.50	2.50	1.50	1.00	5.00
6,000 ton sand for grout	2.10	4.00	4.25	2.50	5.00	4.00	5.00
10,000 cu.yd. mixing and placing grout	12.00	7.50	15.60	15.00	5.00	13.00	15.00
18,000 cu.yd. removal of soil	5.78	7.70	.75	1.50	3.00	3.00	2.00
60,000 cu.yd. earth excav. in open cut	7.72	9.95	8.60	3.00	3.00	3.00	8.00
1,500 cu.yd. rock excav. in open cut	13.12	13.15	11.00	8.00	7.00	6.00	15.00
175,000 cu.yd. embanking and refilling	.48	.30	.10	.75	.10	1.50	.80
18,000 cu.yd. surface dressing and grassing	2.50	2.50	2.00	2.00	1.50	3.00	2.00
5,000,000 lb. steel sheet piling	.04½	.04-1-10	.03¼	.06	.03	.07	.04
1,200 M ft. B.M. timber and lumber in open cut	100.00	78.00	125.00	100.00	60.00	125.00	100.00
1,000 concrete piles	60.00	40.00	60.00	60.00	40.00	55.00	60.00
2,000 lin.ft. add. lgth. of conc. piles in excess of 20 ft	3.50	1.70	5.00	3.50	5.00	3.00	5.00
18,000 cu.yd. conc. masonry in open cut	17.00	18.00	17.80	20.00	10.00	15.00	15.00
1,300 cu.yd. reinf. conc. in chambers	20.00	22.00	17.80	25.00	12.00	20.00	30.00
6,500 cu.yd. reinf. conc. in conduits	20.00	19.00	17.80	20.00	15.00	20.00	20.00
1,800 sq.yd. granolithic finish	.50	1.80	2.00	2.00	1.50	3.00	3.00
200 cu.yd. brick masonry	35.00	30.00	50.00	30.00	30.00	40.00	60.00
350,000 bbl. portland cement	2.75	2.50	2.60	2.50	2.75	3.00	3.00
7,000 bbl. special portland cement	3.30	3.00	3.10	3.25	6.00	4.50	6.00
2,000 bbl. high alumina cement	6.50	6.00	5.70	6.50	7.00	9.00	10.00
1,500,000 lb. steel for reinforcing conc	.05½	.05	.05	.05	.06	.08	.05
1,100,000 lb. structural steel	.08-6-10	.05¼	.07¼	.06	.08	.08	.08
60,000 lb. galvanized sheet steel	.10	.11	.07½	.10	.06	.10	.15
Doors and windows of temporary structures (lump sum)	6,000.00	1,100.00	3,500.00	5,000.00	1,000.00	4,000.00	....

Engineering News-Record, Issue of October 18, 1928.

(Concluded on page 216a)

UNIT PRICES Continued on Page 216 a

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Roads, California, plan expending $53,800,000 during 1929 and 1930.

Sewers, Chicago, Ill., City and Sanitary Dist., $28,000,000.

Sewers, Louisville, Ky., election Nov. 6, $10,000,000.

Bridges, Texas, Bemis Co., $6,000,000.

Dam, Johnson City, Tenn., Tennessee Eastern Electric Co., c/o Cities Service Co., New York, plans, $5,000,000 to $6,000,000.

Clubhouse, etc., Phila., Pa., Manufacturers Club, $5,000,000.

Bridge, Evansville, Ind., Hy. Dpts. of Indiana and Kentucky, $4,000,000.

Sewers, Chicago, Ill., Sanitary Dist., surveys, $4,000,000.

Bridge, Vancouver, B. C., plans, $3,000,000-$3,500,000.

Court house, etc., Birmingham, Ala., Jefferson Co., soon takes bids $3,000,000.

Exchange, Bridgeport, Conn., Southern New England Telephone Co., New Haven, soon lets contract $3,000,000.

Plant, Birmingham, Ala., Gulf States Steel Co., plans, to exceed $3,000,000.

Bridge, Seattle, Wash., Puget Sound Bridge & Dredging Co., $3,000,000.

Office, San Francisco, Calif., Shell Co. of California, $2,000,000.

Hydro-electric system, El Centro, Calif., Imperial Irrigation Dist., plans election $1,700,000.

Club and apartment, Chicago, Ill., H. E. Foster, $1,500,000.

Armory, Jersey City, N. J., State Military Bd., Trenton, $1,500,000.

Y. M. C. A., New York, N. Y., plans, $1,500,000.

Excavation, Donna, Tex., Irrigation Dist., election soon, $1,350,000.

Excavation, etc., Placerville, Calif., El Dorado Irrigation Dist., $1,300,000.

Waterworks, Bloomington, Ill., Citizens Water Supply, Inc., c/o Clerk, soon takes bids, $1,200,000.

Court house, Media, Pa., Delaware Co., takes bids probably in November, $1,125,000.

Bids Desired

Hospital, New York, N. Y., Italian Benevolent Institute, takes bids about Dec. 1, $2,000,000.

Hospital, Essondale, B. C., Nov. 12, by Deputy Minister, Provincial Govt., Victoria, $1,600,000.

High school, Brighton (sta. Boston), Mass., Nov. 15, by City of Boston, $1,539,000.

College, Detroit, Mich., Nov. 1, by U. Frundt, chn. building com., c/o Duns Scotus, Franciscan Fathers, St. Clements Monastery, Cincinnati, O., $1,000,000.

Office, etc., Kalamazoo, Mich., Nov. 1, by Weary & Alford, archts., Chicago, Ill., for owners, $1,000,000.

Warehouse, etc., Jersey City, N. J., Oct. 30, by Delaware, Lackawanna & Western R.R. Co., New York City, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 222.

Bids Received

Subway, New York, N. Y., Bd. Transportation, Sect. 4, Route 106, from Slattery Daino Contg. Co., $5,232,000.

Contracts Awarded

Office, New York, N. Y., W. P. Chrysler, to Fred T. Ley, est. $12,000,000.

Office and stores, New York, N. Y., Madison 52nd Street Corp., to Dwight P. Robinson Co., to exceed $10,000,000.

Steam power plant, Seattle, Wash., Puget Sound Power & Light Co. (1st unit), to Stone & Webster, $5,000,000, total $25,000,000.

Hospital, Orangeburg, N. Y., Dpt. Mental Hygiene, Albany, to Niewenhous Co., New York, $4,199,000.

Offices, Wash., D. C., W. B. Wood, archt., to Consolidated Eng. Co., Baltimore, Md., for Southern Railway Co., est. $2,000,000.

Life science, Berkeley, Calif., Regents University of California to Dinwiddie Constr. Co., San Francisco for University of California, $1,186,395.

Office and theatre, Evansville, Ind., Syndicate forming, c/o A. Phelps, separate contracts, $1,500,000.

High school, Oak Park, Ill., Dominican College of Thomas Aquinas, to F. A. O'Hare, Chicago, est. $1,000,000.

Bank and office, Battle Creek, Mich., City Natl. Bank, to Fridstein & Co., Chicago, Ill., est. $1,000,000.

Club, New York, N. Y., Junior League of New York, to G. A. Fuller Co., $1,000,000.

Theatre, etc., San Diego, Calif., Gildred Bros., c/o archts., to Simpson Constr. Co., Los Angeles, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Mass., Lynn—City, T. J. Heath, comr. Water Supply, City Hall, reconstructing 1 story, brick, pumping station, installing new machinery, Walnut St. $15,000 or more. H. A. Symonds, 70 State St., Boston, engr.

Ind., Laurel—W. E. Emsminger, chn. Town Bd., bids in January, waterworks. Municipal Eng. Co., 413½ Wabash Ave., Terre Haute, engrs.

Ill., Bloomington—Citizens Water Supply, Inc., c/o City Clerk, soon takes bids impounding Money Creek water 13 mi. northeast of city, pipe line connecting with present distribution system, reservoir. $1,200,000.

Ia., Denison—Soon takes bids, 50 x 80 ft., brick, concrete building, settling tank, aerator, filter, 3,500 ft. 8 and 10 in. pipe. $20,000. Rohrbough Eng. Co., 721 Omaha Loan & Building Assn. Bldg., Omaha, Neb., engrs. Noted Oct. 18.

Ark., Star City—Preliminary plans extending waterworks, incl. fire hydrants. $30,000.

Tex., Sanderson—See "Unclassified."

Okla., Mangum—W. C. Roberts, city clk., rejected bids Oct. 2, new water softening plant, coagulation basins. $46,500. Noted Sept. 20.

Bids Desired

N. Y., Stamford—Nov. 14, Bd. Village Trustees, at office Village Clerk, 2.5 mi. 10 in. supply main, filter building addition, increasing height earth storage dam. Solomon & Keis, 257 Bway., Troy, consult. engrs.; adv. E. N.-R. Oct. 25.

N. J., New Brunswick—Oct. 30, by City Comrs., 1,000 ft. 12 in. pipe with special castings. A. Atkinson, New Brunswick, engr.

Mich., Detroit—Nov. 14, by Bd. Water Comrs., 735 Randolph St., substructure, connecting structures of auxiliary low-lift pumping plant at Water Works Park. G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Oct. 25.

S. D., Elk Point—Oct. 30, by M. R. Hendrix, city aud., 75,000 gal. steel tank, machinery, improving, extending mains. $13,000 bonds voted Oct. 18.

Wyo., Cheyenne—Nov. 15, by Dpt. Water, extending waterworks, incl. North Crow Dam, earth and rock fill. F. M. Howard, city clk.; adv. E. N.-R. Oct. 25. Noted May 17.

Tex., Beaumont — See "Contracts Awarded."

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenues K, S, to Draganetti Contg. Co., 711 East 228th St., New York, $5,420. Noted Oct. 18.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Long Island City — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 50th Ave., 11th and 12th Sts., to Riverdale Water Works Corp., 1 Riverdale Ave., New York, $24,999. Noted Oct. 18.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., to Sareno Contg. Co., 1957 Colden Ave., mains in DeReimer, Hobert Sts., $8,035, Harrod St. $5,298, in Colonial, Gerrad Sts. $9,901. Grand total $23,234. Noted Oct. 4.

N. J., Atlantic City—Atlantic City Comn., 3 mi. conduit from Doughty's pond to city pumping station, to J. Cugliotta, Burlington, $80,384.

Pa., Phila. — Dpt. P. Wks., Bureau of Water, Contr. 945, to P. and A. J. Ellis, 4th and Wyoming Sts., $62,448; Contr. 946, to M. and J. B. McHugh, 892 North Markoe St., $74,427; and Contr. 947, to Keystone Mchy. & Equipment Co., Widener Bldg., $15,385. Grand total $152,260.

Md., Towson—Comrs. Baltimore Co., mains in Milford, Liberty Heights and Hamilton Aves., Contrs. 20-W and Contr. 21-W, to Metropolitan Contg. Co., 210 Highland Ave., Baltimore, $17,648. Noted Sept. 13.

O., Columbus—Bd. Control, H. C. Cain, secy., 5,700 ft. c.i. pipe, supplies, to U. S. C. I. Pipe Co., Burlington, N. J., $34,555; valves, to Rensselaer Valve Co., Ontario St., Troy, N. Y., $14,738.

Mich., Dearborn — W. Querfield, clk., Dearborn Twp., extening 6, 8 and 12 in. c.i. mains, Contr. 22, to Coolsaet Bros., 3608 Williamson St., $71,515.

Mich., Royal Oak (Ind. br. Detroit)—R. B. Fleming, city clk., 2 motor driven centrifugal pumping units in booster station at Eight Mile Rd. and Livernois Ave., to Worthington Pump & Mchy. Co., 2 Park Ave., New York, $11,520. Noted Aug. 2.

Tex., Beaumont—Improving waterworks, incl. 5,000 lin.ft. 6 and 8 in. c.i. mains, day labor. $28,000. R. G. Black, city engr.

Tex., Mt. Vernon—W. J. Moore, mayor, improving waterworks, incl. 20,835 lin.ft. 6 and 8 in. Class 150 c.i. pipe, six 8 in.

See Proposal advertising on page 125

Constr. News page 217

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

A satisfied customer for more than 20 years

This one concern has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints. Working pressures exceeding 200 pounds.

The Pennsylvania Water Company, Wilkinsburg, Pennsylvania, has been a satisfied user of Leadite for over 20 years.

It has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints; sizes have varied from 4" to 42" in diameter.

It has working pressures up to and exceeding 200 pounds per square inch.

The Pennsylvania Water Company makes a systematic water waste survey of its system each year which shows the tightness of the mains laid underground.

The Pennsylvania Water Company usually lays its pipe with its own forces, but the 20" line, shown in the accompanying picture, was laid by a contractor and with most excellent results.

This line was tested and the leakage on this line ranged from 1/3 to 1/10 of the allowable leakage as ordinarily specified.

Mr. W. C. Hawley is Chief Engineer and General Superintendent of the Pennsylvania Water Company.

Section of 33,000 feet of 20 in. c. i. bell and spigot water main laid by contractor for the Pennsylvania Water Company. Pressures ranging from 70 pounds to 225 pounds per sq. in.

Specify and use
LEADITE
—it saves at least 75%

Be sure it is
LEADITE
and accept no imitations

The pioneer self-caulking material for c.i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . . Land Title Building . . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

and nineteen 6 in. gate valves, 32 fire hydrants, pump house and machinery, 50,000 gal. concrete reservoir, to Klein Bros., Mt. Vernon, for City, $32,000. Noted Sept. 20.

Colo., Colorado Springs — Broadmoor Hotel Co., c/o S. Penrose, reservoir, 12 m.g. concrete tank, pipe lines, fills, near here. Work under supervision of M. Strong.

Ont., Hamilton—City Council, 12 and 16 in. main in Concession St. $65,000. Work will be done under supervision W. L. McFaul, City Hall, engr.

Sewers

Proposed Work

R. I., Cranston (mail Providence)—City sketches sewerage system. Est. to exceed $25,000. Fay, Spofford & Thorndike, 44 School St., Boston, Mass., engrs.

N. J., Millburn—Twp. Com., Town Hall, storm sewers in streets west of west branch Rahway River. $75,000. E. R. Halsey, 79 Academy St., Newark, twp. engr.

N. J., Union—Twp. Com. sanitary sewer in Kenneth Ave. Section. $35,000. H. Kreh, Falls Bldg., twp. engr.

W. Va., Parkersburg—Soon takes bids 8 and 15 in. sanitary sewers in Sect. B System, south and east of city park. J. V. Dunbar, city engr.

Miss., Meridian—Mayor rejected bids Oct. 2, 132,386 ft. 8- to 15-in. sewers, 361 manholes, 1 m.g.c. concrete filter unit, 750,000 gal. concrete settling basin, rein.-con. clear water basin and filter house. Will readvertise. J. C. Watts, Meridian, engr. Noted Sept. 27.

O., Cincinnati—Hamilton Co., Sewer 47, Dist. 2, 28,578 ft. 8- to 48-in. vitr. clay pipe. $119,739. L. C. Boyatt, Court House, engr.

Ill., Chicago — Sanitary District of Chicago, 910 South Michigan Ave., plans and surveys trunk sewer from Des Plaines to Broadview. $4,000,000. P. J. Crowe, pres.

Ill., Edwardsville—Soon takes bids complete outlet sewerage system, disposal plant, interceptors. $52,464. Sheppard & Morgan, Bank of Edwardsville Bldg., engrs.

Minn., Winona—Sewers and gas mains in 65 blocks. E. E. Chadwick, city engr.

Mo., Ferguson—Preliminary plans relief sewerage system, disposal plant. $150,000. Russell & Axon, 1945 Railway Exch. Bldg., St. Louis, engrs.

Tex., Waco—City, c/o E. E. McAdams, mgr., sewers. $250,000. J. H. Strange, city engr. Noted Aug. 23.

Calif., Compton—City plans 28,320 ft. of 8 to 18 in. sewers, manholes, etc., in East section. G. Rood, city engr.

Calif., Laguna Beach—City plans sanitary sewerage system at Arch Beach. $200,000 or more. A. J. Stead, city engr.

Calif., Sacramento—City, 72 in. sewers North B St. between 7th and 17th Sts. $150,000 or more. S. J. Hart, city engr.

Que., Montreal — City soon takes bids 2,000 ft. trunk sewer at Cartierville. $200,000.

Ont., Sandwich — East Sandwich Twp. Council, extending storm sewers in 3rd Concession Rd. N. S. and S. S., Stanley and Charlotte Sts., $7,923; mains in Buckingham Dr., Clemenceau and Parent Blvds., Arthur and Meighen Rds., Howard Ave. and 4 streets, $56,576. F. G. Belleperche, Tecumseh, engr.

Bids Desired

Mass., Boston—Oct. 26, by Dpt. P. Wks., sewerage system in Dorchester and Roxbury. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Oct. 31, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in Glenwood Rd., Highlawn Ave., East 95th, Midwood, West 8th, East 54th Sts.

N. Y., Long Island City—Nov. 1, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., storm sewers, half ultimate capacity in 182nd Pl., 183rd St., Dunkirk, Liberty and 90th Aves.; sanitary sewers in Dunkirk and Liberty Aves., 183rd and 184th Sts. and Peters Round.

N. Y., New York—Nov. 1, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewer in West St. near Morris St., new outlet sewer under Pier 3, North River.

N. Y., Ithaca—Nov. 8, by Dpt. Educ., Education Bldg., Albany, sewers, water lines at State College of Agriculture; adv. E. N.-R. Oct. 25.

New Jersey—Nov. 5, by Town of Belleville, Bloomfield and Montclair, cities of East Orange, Newark and Orange and Glen Ridge Boro, at City Hall, Newark, constructing Sects. 7 to 12 (inclusive), Contr. A, for supplementary union outlet sewer in 2nd River Valley, Essex Co. A. Potter, 50 Church St., New York, ch. engr.; adv. E. N.-R. Oct. 25.

Miss., Flora—Oct. 30, by Mayor, sewerage system, incl. 35,000 ft. 6- to 10-in. sewer pipe, 48 manholes, 12 standard lampholes, 6 flush tanks, 1 concrete septic tank. H. A. Mentz & Co., Hammond, La., engr. Noted Oct. 11.

Mont., Miles City—Nov. 5, by M. F. Mann, city aud., 53,150 ft. 10- to 36-in. sewers. $150,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs. Noted Oct. 18.

Okla., Kingfisher—Oct. 29, by M. Crosthwait, city clk., extending 19,000 ft. 8 in. vitr. clay sewers in Sewer Dist. 11. To exceed $25,000. R. Lindsay, Kingfisher, engr. Noted July 19.

Calif., Los Angeles — Nov. 5, by Bd. Supervs., Los Angeles Co. 6.66 mi. sanitary sewers, water mains. $107,179. W. F. Foster, Klinker Bldg., engr.

Contracts Awarded

Conn., Waterbury—City, 3rd section intercepting sewer in Naugatuck River, to Barbara & D'Aurio Co., 63 Bank St., $167,355. Est. $175,000.

New York—J. A. Burkart, secy. Bd. Sewer Comrs., 22 South Pearl St., Albany, sewage disposal works, sewerage system in Delmar-Elsmere Sewer Dist., to A. DiMarco, 3 South Kenzie Ave., White Plains, $213,507. Noted Sept. 13.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 56th St., to F. Vaccaro, 1024 66th St., $2,665; Avenue S, to Manmill Constr. Co., 1780 Pitkin Ave., $2,922; West 9th St., to Del Mel Constr. Co., 7624 15th Ave., $2,389. Grand total $7,976. Noted Sept. 20.

N. J., Lyndhurst (br. Rutherford)—Bd. Town Comrs., Town Hall, rein.-con. storm sewers, to Biachi & Smith, 611 Main Ave. Est. $55,000. Noted June 14.

N. J., Newark — Sewer in Ardsdale Pl. and Oak St., to Cestone & Purdy, 73 Nichols St. Est. $25,000.

N. J., Nutley (br. Newark)—Reinforcement sanitary sewer in Bloomfield Ave., to A. Denello & Co., Hasbrouck Heights, $33,914. Noted July 26.

N. J., Upper Montclair (Ind. br. Montclair)—Essex Co., Court House, Newark, joint drainage system in Upper Montclair Ave. and Valley Rd., to C. DeFazio, 109 Whittlesey St., West Orange, $58,681.

N. J., West Orange—Bd. Town Comrs., Town Hall, storm drains, concrete paving to Petrozzello Bros., 335 Valley St., South Orange, $124,122. Noted Oct. 18.

Pa., Phila. — Dpt. P. Wks., Bureau of Engineering & Surveys, to J. Hastie, 5720 Virginian Rd., branch sewers in Alcott St. $2,679, Longshore St. $10,826, Oxford Ave. $21,702, Rosalie St. $2,460, Rowland Ave. $4,256; to F. Jaffallo, 10 Ryders Ave., Cheltenham, Courtland St. $3,562, Lycoming St. $10,758, Magee St. $12,580, Mifflin St. $2,293, 19th St. $13,418, Orianna St. $2,804, Paschall Ave. $10,695, Smedley St. $7,559. Grand total $105,593.

Pa., Phila.—Dpt. P. Wks., Bureau Engineering & Survey, to F. Di Pasquale, 1215 South 7th St., branch sewer in B St. $4,944, Dickens Ave. $3,962, Erie Ave. $7,870, Frontenac St. $9,542, Guyer Ave. $3,547, to V. Jaffolla, Penn Bldg., Camac St. $7,887, F St. $4,663, to E. F. Bennis, 825 East Washington Lane, Cherokee St. $9,788, Lensen St. $8,153, Thorps Lane and 19th St. $24,226, to P. and A. J. Ellis, 4th and Wyoming Sts., D St. $1,046, to Campellone & Diorio, 3856 North 10th St., Ella St. $2,416, to Alfonso Perna & Son, 752 South 10th St., 53rd St. $4,180, Sheldon St. $12,147, to A. DiSandro & Son, 6400 North 5th St., Gerhard and Houghton Sts. $17,627, Michener Ave. $7,550, Tabor Rd. $8,098, to J. J. McHugh, 1617 Race St., I St. $6,901, Roumfort Ave. $8,058, 13th St. $10,765, to J. and R. Lombardi, Lincoln Bldg., Johnston and Galloway Sts. $44,818, Orianna and Lawrence Sts. $34,960, to J. Moss, 1652 Wakeling St., Pickwick St. $1,007, to E. Ventresco, 6016 Ross St., Upsal St. $10,557; to F. T. Buckins, 4050 Kensington Ave., test pits for Henry Avenue Bridge over Wissahickon Creek $3,060. Grand total $263,076.

Pa., Pittsburgh—Dpt. P. Wks., general contract 15- to 42-in. relief sewer in 2nd Ave., to V. Mennella, 4034 Shady Ave. $28,227. Est. $42,000. Noted Oct. 18.

D. C., Wash.—District Comrs., District Bldg., Dalecarlia Sewer, Sect. 4, to Adams & Marnio, 4th and Cglethrope Sts. N. W., $7,830; McGill Terrace Sewer, to A. McCandlish, 1215 Harvard Ave. N. W.; Davenport Sewer, to G. B. Mullin & Co., 1296 Upsur St. N. W.; Bladensburg Rd. Sewer, to W. F. Brenizer Co., 101 New York Ave. N. E. Noted Aug. 9.

Miss., Meridian—Sewers, to R. T. Myer Constr. Co., City Natl. Bank, $57,000; and Dobson & Humphreys, Omaha, Neb., $40,000.

Miss., Waynesboro—Storm sewerage, paving Front St., to Merrill Constr. Co., Lamar Bldg., Jackson, $28,000.

O., Bay (br. Cleveland)—Sewers in West Ovitt Rd. and Huntmere Ave., to F. Hadded, Fidelity Mortgage Bldg., Cleveland, $19,767; Bradley and Saddler Rds., to Kassouff & Co., 2600 Althen Ave., Cleveland, $21,939.

O., Cleveland—Cuyahoga Co., 6,800 ft. 8- to 36-in. sewers in Impvt. 138, and 300 ft. 8 in. curb connections Impvt. 138, to Ciraci Constr. Co., 3305 Milverton Rd., Cleveland Heights, $21,190 and $6,802 respectively.

Ill., Chicago—City and Sanitary District of Chicago, 910 South Michigan Ave., signed ordinance South Side Sewers, incl. new sewers from lake to Ashland Ave. and from 22nd to 70th Sts., also pumping stations. $28,000,000. R. Wolfe, comr. Bd. Local Impvts. P. J. Crowe, pres. Sanitary Dist.

Ill., Montgomery—Sewers, to Leake Bros., Amboy, $35,720. Est. $40,000. Noted Oct. 4.

Ill., Robinson—Sewage treatment plant, to Christianson Bros., Urbana, $49,316. Est. $56,000. Noted Oct. 4.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to H. Hohensee, 1281 10th Ave., main sewer in Capitol Dr. $11,960, 31st Ave., $1,045; to General Contractors 4728 Lisbon Ave., Capitol Dr. $277, 32nd Ave. $9,193, 36th Ave. $2,329; to Wenze & Henoch, 498 27th St., Cedar St. $19,753 29th Ave. $17,126; to Werner Co., 728 8th Ave., Wauwatosa, Concordia Ave. $14,070, Row through Lot 5 $305; to H. O. Schaeffer, Inc., 752 64th Ave., West Allis, Lisbon Ave. $5,531, Morgan Ave. $9,579; to Zimmermann & Zimmermann, 2826 State St., Locust St. $13,702, North Ave. $2,805, 71st St. $4,033; to E. H. Busse, 4730 Blue Mound Rd., rerouting sewer under 16th Street Viaduct $3,484; to P. & L. Co., 1107 Humboldt Ave., Townsend St. $7,603. Grand total $122,795.

S. D., Highmore—T. H. J. Scott, city aud., 17,000 lin.ft. 8- to 12-in. sewers, to C. Savonell, 2508 Jones St., Sioux City, Ia., $23,000. Est. $30,000. Noted Sept. 20.

Tex., Austin—A. R. Johnson, city mgr., 10,200 ft. storm sewers in Guadelupe St. and Harris Park also 9,350 ft. Comal and Holly Sts., to Janes Contg. Co., 865 Trunk Ave., $74,652 and $102,829 respectively. Noted Sept. 27.

Tex., Dilley—City, c/o R. Busby, mayor, disposal plant, 40,000 6- to 8-in. sewers, to W. G. Davis, c/o North Texas Bldg., Dallas, $33,800. Noted Oct. 4.

Tex., Mt. Vernon—W. J. Moore, mayor, improving sewerage system, incl. 36,000 lin.ft. 6 and 8 in. pipe, 76 manholes, 23 cleanouts, sewage treatment plant, to Klein Bros., Mt. Vernon, for City. $36,000. Noted Sept. 20.

Okla., Hinton—Sanitary sewerage system, disposal plant, to Bensen & Farrar, 102 South 2nd St., Guthrie, $24,110. Est. $25,000. Noted Aug. 9.

Okla., Okeene—S. Fox, city clk., 7 mi. outfall sewers, sanitary sewerage system, disposal plant, Imhoff tank, filter, to F. L. Brown, 410 East Logan St., Guthrie, $43,059. Est. $47,000. Noted Sept. 27.

Okla., Oklahoma City — Eastern Ave. Storm Sewer, to J. D. Mann, Cotton Exch. Bldg., $246,326. Est $320,000.

Calif., Los Angeles—Bd. P. Wks., Sect. 33, North Outfall Sewer to R. A. Watson, 1026 McCadden Pl., $59,244. Noted Sept. 20.

Ont., Windsor—Council, sewers in Memorial Park sub-division, to Colutti Bros., 612 Langlois Ave. $48,000; concrete paving Assumption St., to Premier Constr. Co., 924 Windsor Ave., $10,000, East Erie St., to S. P. West Constr. Co., 51 Victoria Ave., Sandwich, $5,600. Grand total $63,600. Noted Sept. 13.

Ont., Kitchener — S. Shupe, city engr., laying 18,000 ft. 48 in. lock joint concrete sewer, to Nelson River Co., 124 Pears Ave., Toronto, $87,000. Noted Aug. 16.

Ont., Toronto—York Twp., 2 mi. 8 in. and up vitr. tile sewers in Louise Ave., to A. Cavotti, 941 College St., $2,005; in 5 avenues, to J. Formica, 2147 Dufferin St., $21,301, in Humber Blvd. and private drains, to owners by day labor, $5,791. Grand total $29,092.

Bridges

Proposed Work

N. J., Trenton—State Hy. Comn., bridge over Delaware & Raritan Canal, Bakers Basin, near here. $50,000. W. G. Sloan, Trenton, hy. engr.

Ind., Evansville — Hy. Dpts. of Indiana and Kentucky, 3 mi. (incl. approaches) steel, concrete bridge over Ohio River from here to Henderson, Ky. $4,000,000. Modjeski & Masters, 121 East 38th St., New York, consult. engrs. Noted Mar. 10, 1927.

Constr. News page 218

Months of Plenty

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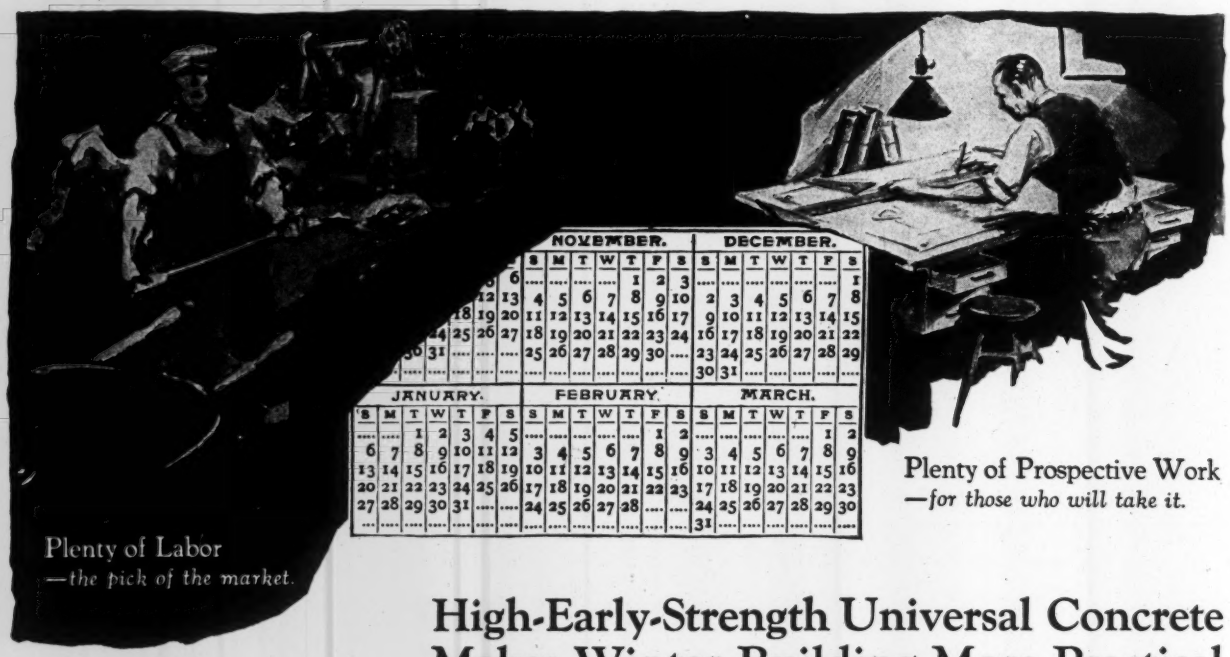

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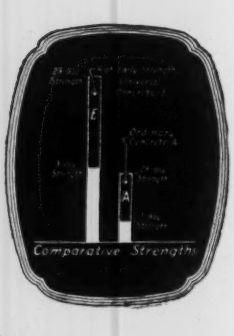

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Bridges—(Continued)

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids 250 ft. rein.-con. viaduct, 60 ft., to carry Morganford Ave. over River Des Peres, $110,000; 250 ft. rein.-con. bridge, 80 ft., to carry Lansdowne Ave. over River DesPeres, $118,000. L. R. Bowen, City Hall, engr. Noted Oct. 11.

Texas — Bemis Co., engrs., c/o W. C. Bemis, 332 South Michigan Ave., Chicago, Ill., preliminary plans 2 toll bridges from Morgans Point to Evergreen on mainland near Goose Creek; 2 mi. bridge from mainland near Evergreen to end of Atkinson Ave. bridge 35 ft. above channel from point near Evergreen to Morgans Point near Mainland. $6,000,000.

Texas—G. Gilchrist, state hy. engr., Austin, received no bids Oct. 15, timber bridge on Hy. 8, Panola Co. $72,000. D. K. Caldwell, Carthage, co. engr. Noted Oct. 4.

Colo., Lamar—State Hy. Dept., Denver, soon takes bids 1,200 ft. bridge across Arkansas River. $250,000. J. D. Bell, c/o owner, div. engr.

Wash., Seattle — Puget Sound Bridge & Dredging Co., Central Bldg., rein.-con. bridge with 150 ft. central draw span over Lake Washington connecting mainland with Sewer Park and Mercer Island. $3,000,000.

Calif., Modesto—Stanislaus Co. preliminary plans 200 ft. steel span bridge with concrete approaches over San Juaquin River near Mountain View school. $180,000. J. H. Hoskins, Modesto, co. engr.

Ont., Toronto — Toronto Transportation Comn., Front and Yonge Sts., D. W. Harvey, ch. engr., two concrete, structural steel bridges over Humber River and Mimico Creek in connection with double tracking radial line between Toronto and Port Credit. $1,000,000.

B. C., Vancouver — City Council preliminary plans Barrard St. bridge over False Creek. $3,000,000-$3,500,000. J. R. Grant, 1202 Bekins Bldg., 500 Beatty St., engr.

Bids Desired

Mass., Reading—Nov. 1, by Bd. P. Wks., Municipal Bldg., timber bridge over Boston & Albany R.R. on Mineral St. Morse & Dickinson, 11 Beacon St., Boston, engrs.

N. Y., St. George — Oct. 31, by J. A. Lynch, pres. Richmond Boro, Boro Hall, replacing bridges over Palmers Run, on Houghwout and Barrett Aves., Richmond Boro.

N. J., Kearny (sta. Arlington)—Bd. Town Council, Town Hall, bids about Dec. 1, rein.-con. viaduct, Bergen Ave. $500,000. Kreiner, Taylor & Scrimshaw, 790 Broad St., Newark, assoc. engrs. Noted June 28.

N. J., Perth Amboy—Nov. 13, by State Hy. Comn., Trenton, reconstructing roadway deck, part sidewalk deck of Convery Pl. Bridge over Lehigh Valley R.R., on Route 4, (1927), Middlesex Co. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 25.

N. C., Greensboro — Oct. 30, by P. C. Painter, city mgr., 2 rein.-con. bridges, 195 cu.yd. rein.-con. culvert.

Fla., St. Petersburg — See "Contracts Awarded."

Kentucky—Nov. 30, by State Hy. Dpt., Frankfort, two 24 ft. rein.-con. deck girder spans or one 75 ft. steel plate girder span bridge with rein.-con. piers, abutments at Stearns, F. A. 170 B. B., McCreary Co.; two 120 ft. steel span bridge with wooden flooring, concrete piers, abutments over Beech Fork Creek, S. P. 206 A. B., Nelson Co. J. S. Watkins, hy. engr.

Iowa — Oct. 30, by State Hy. Comn., Ames, 60 x 20 ft. plate girder bridge with two 5 ft. sidewalks, in Wyoming, B-209, Jones Co.—160 x 20 ft. high truss bridge with eight 40 ft. I-beam approach spans over South Skunk River near Sigourney, B-246, Keokuk Co.—130 x 20 ft. high truss bridge with two 40 x 20 ft. I-beam approaches near Knoxville, B-584, Marion Co. —15 box culverts near New Hampton, B-601, Chickasaw Co.—5 box culverts near Dallas, B-250, Dallas Co.—1 box culvert near Arnolds Park, B-23, Dickinson Co.—4 box culverts near Malvern, B-605, Mills Co.—10 box culverts near Corydon, Wayne Co. R. F. White, hy. comr.

Kan., Eureka—Oct. 31, by Clerk Greenwood Co., two 35 ft. deck girder, and one 90 ft. concrete arch span bridge, Project 11-10-K-672. E. Christian, co. engr.

Kan., Ft. Scott—Oct. 29, at office W. I. West, clk. Bourbon Co., three 25 ft. span deck girder bridge, 20 ft. roadway, Project 39-10-K. 712. H. C. McCurley, Ft. Scott, co. engr.

Tex., Albany—Oct. 30, by Comrs. Shackelford Co., steel, concrete vehicular bridge across Hubbard Creek. $70,000. J. E. Pirie, Albany, co. engr.

Tex., Waco—City, c/o E. E. McAdams, mgr., bids about Nov. 1, timber, concrete, steel bridges. $190,000. J. H. Strange, city engr. Noted Aug. 16.

Calif., Ventura — Nov. 7, by Supervs. Ventura Co., rein.-con. culvert with earth fill approaches, improving Foothill Rd. C. W. Petit, Ventura, co. surv.

Contracts Awarded

N. J., Kearny (sta. Arlington) — Town Council, Town Hall, rein.-con. bridge over right-of-way Greenwood Lake Div., on Chestnut St., to Mahlon Averell Co., 222 Clinton Ave., Newark, $114,121. Noted Oct. 4.

Maryland — State Roads Comn., Baltimore, 2 rein.-con. slab bridges, Contrs. Ch 52 and 53, to De Luca Contg. Co., Dundalk, $13,375; double span rein.-con. girder bridge, Contr. Ch-54, to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore, $8,285, all in Charles Co. Noted Oct. 4.

North Carolina—See "Streets and Roads."

South Carolina—State Hy. Dpt., Columbia, rein.-con. bridge on Federal Aid Project 277, Richland Co., to Hardaway Constr. Co., Columbia, $263,523; bridge on Federal Aid Project 285A, Anderson Co., to Southern Concrete Products, Anderson, $33,520. Noted Jan. 26 and May 17.

Fla., St. Petersburg—C. P. Snell, 214½ ft. concrete, steel double lift bascule span bridge over Snell Isle, day labor. $100,000. E. Nordstrom, Snell Isle, St. Petersburg, engr.

Tenn., Smokey Junction (mail Smokey) —Rein.-con. arch bridge over New River, to Steel & Lebby, Holston Bank Bldg., Knoxville.

O., Dayton—Montgomery Co., rein.-con. viaduct over railroad crossing on Dixie Hy., small rein.-con. bridge over creek, to Price Bros. Co., Harries Bldg., $124,310. Est. $233,000.

O., Uhrichsville — Tuscarawas Co., New Philadelphia, bridge on Eastport Ave., to Roberts Supply Co., Canton, $25,146. Est. $28,128.

Mich., Grand Rapids — One 90 ft. span concrete girder bridge, 25 ft. roadway, with sidewalks, retaining walls at approaches, to G. P. Scharl, Ionia Ave., $155,600.

Wisconsin—State Hy. Comn., Madison, Nuttleman-Overhead Bridge, Project 5950, La Crosse Co., to C. W. Noble, La Crosse, $33,015.

Wisconsin—See "Streets and Roads."

Kan., Larned—Pawnee Co., ten 45 ft. and two 45 ft. deck girder bridges, Federal Aid Project 218-B to Tomilson Bridge & Supply Co., Garfield, $67,235. Noted Oct. 11.

Missouri—State Hy. Comn., Jefferson City, to Bertman & Menefee, Sedalia, bridges over Missouri Pacific R.R., $11,081; over Missouri-Kansas-Texas R.R. $9,139; over Thomas Creek $7,627, Cooper Co.—to L. Gray, St. Louis, over Wyconda River $21,575; Forman Branch $8,703, Scotland Co.—to Fritzlen, Hufford, Vermillion, Kansas City, over Cold Water Creek $14,900; over Chicago, Burlington & Quincy R.R., $43,525, St. Louis Co.—to Carte-Harlin Constr. Co., West Plains, over Warm Fork Creek, Oregon Co., $18,115—to Stigall Constr. Co., Springfield, over Dry Fork Creek, Christian Co. $6,595—to Excelsior Springs Constr. Co., Excelsior Springs, Audrain Co. $11,123—to W. W. Cosley, Liberty, special double 12.5 x 10 ft. box culvert over Wakenda Creek, Carroll Co. $3,601. Grand total $155,984. Noted Sept. 6.

Missouri—State Hy. Comn., Jefferson City, bridge on Project 286-B, Greene Co., to M. E. Gillioz, Monett, $47,301.

Tex., San Antonio—City, c/o C. M. Chambers, mayor, rein.-con. bridge over San Antonio River, 9th St., to Sumner Sollitt Co., 609 Natl. Bank of Commerce Bldg., $27,287.

Tex., Zapata—B. & P. Bridge Co., c/o A. Y. Baker, Edinburg, 1,100 ft. steel, concrete pedestrian and vehicular bridge across Rio Grande River, to G. E. Cole, Mercedes, $200,000. Noted Feb. 16.

Okla., Seminole — Seminole Co. 4 span 320 ft. steel, concrete bridge near Sasakwa, to Whitson & Kirby, Ardmore, $55,359, est. $60,000; 3 span 226 ft. bridge near Konawa, to Boardman & Co., Maple and Hawk Sts., Oklahoma City, $38,011, est. $45,000. Noted Mar. 22.

Wash., Everett — Reconstructing Norton Street Trestle, to Manson & Son, Everett, $63,815.

Calif., Rosenville—Rein.-con. bridge over Southern Pacific Ry. to M. A. Jenkins, 3560 Y St., Sacramento, $29,880.

Dams

Proposed Work

Tenn., Johnson City—Tennessee Eastern Electric Co., c/o Cities Serv. Co., 60 Wall St., New York, J. E. Burge, genl. mgr., storage dam for hydro-electric development at junction Watauga and Holston Rivers, 17 mi. from here. $5,000,000-$6,000,000.

Tex., Brownsville — See "Excavation, Drainage, Irrigation, Levee, River and Harbor."

Tex., Donna—T. W. Hooks, et al., Donna, 16,400 ft. power and irrigation dam, impounding 600,000 acre ft. water. $150,000. Private plans.

Bids Desired

Wyo., Cheyenne—See "Waterworks."

Railways

Proposed Work

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, bids in 1929, 11 mi. double track freight line between Eureka and Valley Park. Noted June 21.

Contracts Awarded

Indiana—Grand Trunk Western Ry., J. A. Heaman, ch. engr., Detroit, Mich., track elevation in South Bend, to Foley Bros., Minneapolis, Minn., $300,000.

California and Oregon—Southern Pacific R.R. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, grading 83 mi. roadbed to connect Klamath Falls, Ore., with Alturas, Calif., to Utah Constr. Co., Phelan Bldg., San Francisco. Est. $3,000,000. Noted Aug. 23.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Minn., Winona—Winona Co., 1 large and 1 small dams, Gilmore Creek for drainage, flood control. $18,000. S. A. Norling, 235 Gateway Bank Bldg., Minneapolis, engr.

Tex., Brownsville — Corthampton Land Co., Inc., Birmingham, N. Y., c/o J. H. Powers, vice-pres. (R. Sethman, Brownsville local representative), developing tract of land near here, incl. dredging Resaca running through land, building several dams in order to form lakes. $75,000. Private plans.

Colo., Las Animas—Bent Co. Colorado Irrigation Dist., J. W. Parish, pres., irrigation system near here. $600,000 bonds voted for same.

Calif., Placerville—El Dorado Irrigation Dist., earth fill dam, containing 1,500,000 cu.yd., together with conduits, flumes, tunnels, power house. $1,300,000. S. J. Norris, Oroville, engr.

Calif., Sacramento—California Delevopment Assn., 117 West 9th St., diversion 220 cu.ft. per sec. from Yuba River in Yuba Co. for power and irrigation. $400,000. Private plans.

Bids Desired

New Jersey—Nov. 5, by Bd. Commerce & Navigation, State House, Trenton, dredging channel in Parker's Run and West Creek, Eagleswood Twp., Ocean Co. V. Gelineau, dir. and ch. engr.; adv. E. N.-R. Oct. 25.

N. C., Bolton—Nov. 2, by Bd. Drainage Comrs. Columbus Co. D. D. 2, F. L. Finkenstaedt, chn., 2,000 lin.ft. bulkhead, excavating 89,000 cu.yd. J. L. Becton, Wilmington, engr.

Contracts Awarded

Massachusetts — Dpt. P. Wks., State House, Boston, dredging entrance channel to Lewis Bay, at Barnstable, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $26,620.

Mass., North Adams—Dpt. P. Wks., Boston, excavating Hoosac River, to Warner Bros. & Goodwin, Inc., Sunderland, $12,675. Noted Oct. 4.

La., Alexandria—Red River Atchafalaya & Bayou Bouef Levee Dist., 505 Commercial Bank Bldg., excavating enlarging, strengthening levee 29,000 cu.yd. from Alexandria to Boyce, to Alexandria Contg. Co., Inc., Alexandria, at $0.348 per cu.yd. Noted Sept. 20.

La., Leon — Bd. Supervs. Decatur Co., drainage work in Little River and Kilgore Branch, incl. 49,672 cu.yd. excav., for D. D. 3, to C. Kidman, Rembrandt, at $0.0797 per cu.yd. Noted Aug. 2.

Minn., Minneapolis—A. P. Erickson, aud. Hennepin Co., Judicial Ditch 6, 750 cu.yd. open ditch, 1 outlet bulkhead, to N. C. Anderson, Hollandale, $14,760. Noted Sept. 20.

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INDEPENDENT

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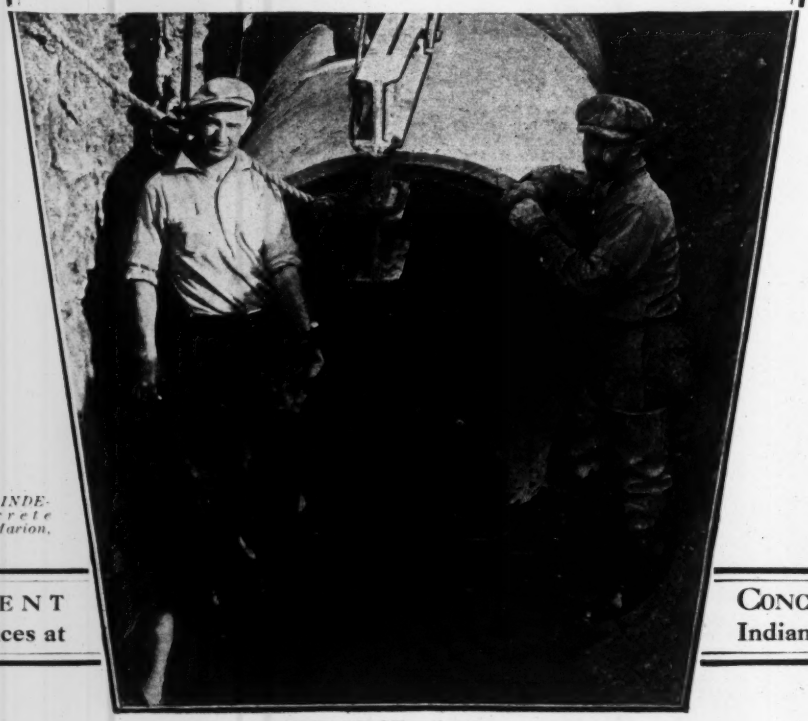

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INDEPENDENT CONCRETE PIPE CO.
General Offices at Indianapolis, Ind.

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Tex., Galveston—City, filling east end flats with 300,000 cu.yd. material to be dredged from Galveston Bay, to Orleans Dredging Co., Galveston, at $0.10 per cu.yd.

Wash., Wenatchee—Beebe Orchard Co., 4 mi. 18 in. heavy steel pipe line, 10,000 ft. distribution line to irrigate 450 acres orchard land, to Goodfellow Bros., Wenatchee, $50,000.

Calif., Hanford—D. A. Haskell, Tulare Lake Basin Water Storage Dist., 109 West 8th St., clearing, constructing levee on each side channel, incl. 124,000 cu.yd. excav., to C. D. Brown, Bakersfield, at $0.1075 per cu.yd.

Calif., Oakland—City Port Comn. constructing rock dyke, dredging 9th Ave. Pier in Brooklyn Basin, 28,000 tons, to Hutchinson Co., Great Western Power Bldg. at $1.95 per ton. Noted Oct. 18.

Canada—S. E. O'Brien, secy., Dpt. P. Wks., Ottawa, Ont., dredging Shippican Harbor, New Brunswick, to Miramichi Dredging Co. Ltd., Newcastle, N. B., $15,-900; Fort William, Ont., to Canadian Dredging Co., Midland, Ont. $18,000, Barnaby Shoal and 1st Narrows, Vancouver, B. C., to Pacific Constr. Co., 510 Hastings Ave. W., Vancouver, B. C.

Ontario—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, repairing breakwater at Port Colborne, to C. S. Boone Dredging & Constr. Co. Ltd., 36 Toronto St., Toronto, $114,000; dredging, replacing pier at Cobourg, to Farley & Grant, Montreal, Que., $75,000; dredging Bruce Mines, to Soo Dredging Co., Saulte Ste Marie, $26,690. Grand total $215,690. Est. $215,000. Noted Aug. 9.

Streets and Roads

Proposed Work

N. Y., Buffalo—G. Fisk, comr. Pub. Wks., Municipal Bldg., rein.-con. paving Dunlop Ave.; sheet asphalt repaving Seneca, Gatchell and Elm Sts. C. E. P. Babcock, city engr.

N. J., Elizabeth—Bd. Pub. Wks., sheet asphalt paving Dickinson St. from Broad to West Scott Sts. $200,000.

N. J., Guttenberg (br. West New York)—Bd. Town Council, Town Hall, grading, rein.-con. paving River Rd. $40,000. R. Gaw, 4633 Hudson Blvd., North Bergen, town engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, curbing, guttering, sidewalks, 6 in. bituminous macadam paving Poor St. $50,-000. F. Campbell, city engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, 6 in. bituminous macadam paving Kipp and Sanford Sts. $50,000. F. Campbell, city engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., Hackensack, preliminary plans grading, curbing, sidewalks, 6 in. bituminous macadam paving Prospect Ave. south of present pavement. $100,000. F. Campbell, city engr.

N. J., Hawthorne — Bd. Freeholders Passaic Co., Court House, Paterson, reconstructing 2 mi. Lafayette Ave. and Valley Rd. $60,000. C. Brown, Paterson, co. engr.

N. J., Hillside (sta. Elizabeth) — Twp. Com., Town Hall, grading, 7 in. concrete paving Myrtle Ave., sheet asphalt on 6 in. concrete paving Broadway and White St., Winans and Hiawatha Aves. $165,600. C. Luster, 286 West Broad St., twp. engr.

N. J., Mt. Holly—Bd. Freeholders Burlington Co. widening 3 mi. River Rd. from Beverly to Delanco. $100,000. H. B. Smith, Mt. Holly, engr.

N. J., Newark — Oct. 29, by Bd. City Comrs., City Hall, grading, sheet asphalt and granite block paving South St. from Mulberry St. to westerly approach of state highway. $25,000. J. W. Costello, city engr.

N. J., South Orange — Bd. Freeholders Essex Co., Hall of Records Bldg., Newark, grading, rein.-con. paving South Orange Ave. $100,000. W. H. Stickel, Hall of Records Bldg., Newark, co. engr.

N. J., Union City—Bd. City Council, City Hall, grading, sheet asphalt on concrete paving 26th and 8th Sts. $68,000. J. Maulbeck, city engr.

N. J., Union City—Bd. City Council, City Hall, grading, sheet asphalt on concrete paving 31st and Sip Sts. $25,000. J. C. Maulbeck, city engr.

Pa., Pittsburgh—Soon takes bids grading, curbing, paving Cumberland St. $34,-700. Dpt. P. Wks., City-County Bldg., engrs.

Pa., Port Vue (mail McKeesport) — Allegheny Co., Court House, Pittsburgh, soon takes bids improving Liberty Way. $74,000. County Dpt. P. Wks., 519 Smithfield St., Pittsburgh, engrs. Noted Aug. 9.

La., Rayville—City Clerk rejected bids Oct. 3, grading, paving, $272,000. Will readvertise. M. L. Culley, 616 Lampton Bldg., Jackson, Miss., engr. Noted Sept. 27.

Ohio—H. J. Kirk, dir. Hys., Columbus, cancelled bids to have been opened Oct. 13, concrete widening Sect. A-2, Medina-Elyria Rd., Medina Co.; concrete or bituminous macadam paving 4.134 mi. Sect. D Findlay-Bowling Green Rd., Hancock Co. Noted Oct. 4.

O., Canton—Stark Co., widening, repaving 1.6 mi. Massillon Rd. (Lincoln Hy.), 40 ft. $40,000. A. M. Wise, Court House, engr. State and city appropriate toward cost.

Minn., Mankato — Rein.-con. paving 12 blocks. $42,000. F. W. Bates, city clk.

Mo., Independence—Jackson Co. grading, concrete paving 41,894 yd. Oak Grove Rd. Sect. 3; 47,223 yd. Sect. 4 same road. L. Koehler, Independence, hy. engr.

Mo., St. Joseph—Bd. P. Wks., revising plans 8 in. portland cement concrete paving 14,020 sq.yd. Frederick Ave. R. Dunlap, city engr.

Mo., St. Joseph—Soon takes bids brick on concrete paving 905 sq.yd. Middleton St. $3,800—concrete paving 10,800 sq.yd. 41st St. $30,000—500 sq.yd. 1 alley $1,200. R. Dunlap, City Hall, engr.

Tex., Brownsville—Cameron Co. concrete paving 17 mi. Hy. 100 from point 7.5 mi. east of Barredo to Point Isabel, 18 ft. $400,000. W. O. Washington, Brownsville, co. engr.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans grading 8 mi. State Hy. 43, 30 ft., Pittsburg Co. To exceed $25,000. C. R. Mandigo, hy. engr.

Okla., Chickasha—Grading, concrete paving 34,000 sq.yd. Mississippi, Nevada and Montana Sts. $25,000. R. O. Bradley, Chickasha, engr.

Okla., Lawton—Grading, concrete paving 8,800 sq.yd. 2nd St. $25,000. O. E. Noble, Lawton, engr.

Okla., Seminole — Grading, concrete paving 6,800 sq.yd. Dist. 16. To exceed $25,000. R. S. Decker, Seminole, engr.

Okla., Tulsa — Grading, sheet asphalt paving 7,250 sq.yd. Gary and 17th Sts. $29,098. B. H. Hart, City Hall, engr.

Wash., Seattle—Bd. P. Wks., returned bids unopened Oct. 5, paving (track area) Seattle Blvd., $26,618. Will readvertise. W. D. Barkhuff, city engr.

California—A. B. Herron, state director Finance announced that the sum of $53,-800,000, will be available during 1929-30 biennial period for constructioh, reconstruction state highways.

Calif., Los Angeles—Los Angeles Co., curbing, guttering, oil and rock surfacing 177,478 sq.ft. Clive St. $48,034. G. W. Jones, Hall of Records, engr.

Calif., Monteray Park—Preliminary plans curbing walks, oil macadam and 7 in. concrete paving A. & I. 3, Mable St. $25,000.

Calif., Oakland—For 8 in. concrete paving 136,000 sq.ft. quay area at Municipal airport. G. B. Hegardt, Oakland Bank Bldg., engr.

Calif., Redwood City—Guttering, curbing, 104,350 sq.ft., warrenite-bitulithic on 3 in. cushion on asphaltic concrete surfacing Laguna Ave. and McKinley St., incl. 16 ft. span timber bridge, 50 ft. C. L. Dimmitt, city engr.

Calif., San Diego—Common Council, concrete curbing, sidewalks, sewers, mains, 6 in. asphaltic concrete paving 179,062 sq.ft. Ebers St.; curbing, sewers, mains, lighting standards, 6 in. asphaltic concrete paving 154,144 sq.ft., and 2 in. asphaltic concrete resurfacing 73,295 sq.ft. Voltaire St. S. A. Hart, city engr.

Calif., San Francisco—Grading, retaining wall, temporary paving Laguna Honda Blvd. between Lawton St. and Plaza Ave. $230,000. M. M. O'Shaughnessy, city engr.

Calif., Yuba City—Sutter Co., 6½ mi. 8 in. macadam paving River Rd. O. W. Lanzendorf, Yuba City, co. road comr.

Ont., Ford—Concrete or asphalt on concrete paving 10,000 sq.yd. Cadillac St. $44,000. H. W. Patterson, Walkerville, engr.

Ont., Hanover—Council, concrete paving Main St. $95,000. Ontario Eng. Co., Fort Erie, engr.

Ont., Sandwich — Sandwich East Twp. Council, concrete paving 4 streets, Brazil and South Pacific Aves., $25,442; sidewalks on 3 roads, Seymour Blvd. N. S., Sydney and Foster Aves. N. S., and Lillian St. $18,907. F. G. Belleperche, Tecumseh, engr.

Ont., Toronto — City Council concrete curbing, guttering, sheet asphalt on concrete or brick block on concrete paving 16,000 sq. yd. Winchester St. $80,000. R. C. Harris, City Hall, engr.

Ont., Toronto — York Twp., asphalt on concrete paving Little Blvd., Blackthorn and Hurstings Aves. $38,472; concrete sidewalks on Longmuir Pl., Scarlett and Ypres Rds., Northcliffe Blvd., and 3 avenues, $6,676. F. B. Goedike, 40 Jarvis St., engrs.

Ont., Waterford—Council, curbing, concrete paving Main St., also storm sewers. $50,000. D. A. Hill, Town Hall, engr.

Ont., Windsor—Concrete curbing, guttering, sheet asphalt paving 19,000 sq.yd. Field Ave. $76,461. M. E. Brian, City Hall, engr.

Ont., Windsor — Sheet asphalt paving Tecumseh Rd., Catham and Assumption Sts. $58,495. M. E. Brian, City Hall, engr.

Bids Desired

New York — Nov. 2, by A. W. Brandt, comr. Hys., Albany, improving roads in Delaware, Hamilton and Nassau Counties—reconstructing roads in Chemung, Suffolk and Westchester Counties—bridges in Dutchess and Washington Counties; adv. E. N.-R. Oct. 25.

N. Y., Brooklyn—Oct. 31, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging Midwood and East 15th Sts.; grading, sheet asphalt on concrete paving Avenue X, 21st Ave., East 5th, West 9th, 84th and 96th Sts.

N. Y., Long Island City—Nov. 1, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading, curbing, flagging, sidewalks, sheet asphalt on concrete paving 45th (Franconia), Cherry, 11th, 55th (Lewis), and Potter Aves., 110th (Baylies), Hedwig, 103rd, 24th (Howland) and 50th (Fitting) Sts.

N. J., Sayreville—Nov. 1, by Middlesex Co., Court House, New Brunswick, sheet asphalt on 6 in. concrete paving Washington, South Amboy and Parlin Rds. $25,-000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

Pa., Phila.—Oct. 30, by Dpt. P. Wks., Bureau of Hys., grading, asphalt and redressed granite block repaving, improving country roads, repaving certain intersections.

Maryland—Oct. 30, by State Roads Comn., Baltimore, concrete paving 0.33 mi. Contr. M-108, Montgomery Co.—1.38 mi. Contr. F-121, Frederick Co.—graveling 1.5 mi. Contr. P-90, Prince George Co. J. N. Mackall, chn.

N. C., Washington—Oct. 30, by Beaufort Co. Hy. Comn., clearing, grading Pungo River and Caliso Hill Rds. $37,000. L. A. Wallace, Washington, engr.

Miss., Vicksburg — Oct. 30, by Bd. Supervs. Warren Co., improving County Highway System, 30,000 cu.yd. excav., 672 ft. 24 and 36 in. concrete pipe, 750 lb. reinforcing, 700 ft. creosoted piling, 9,170 ft. creosoted lumber, 6,667 cu.yd. graveling. B. F. Nicolls, 600 1st Natl. Bank Bldg., engr.

Kentucky—Nov. 30, by State Hy. Dpt., Frankfort, grading 13 mi. Hardinsburg-Leitchfield Rd., S. P. 58-A. G., Breckenridge Co.—9 mi. Coneyville-Beaver Dam Rd., F. A. 186-A. G., Grayson Co.—3 mi. Lebanon-New Haven Rd., S. P. 62-B. G., Marion Co.—7.9 mi. Central City-Rockport Rd., F. A. 187-A. G., Muhlenburg Co.—14.9 mi. Greenville-Kirkmansville Rd., S. P. 1-A. G., Muhlenberg and Todd Counties—9.4 mi. Bardstown-Loretto Rd., S. P. 206-A. G., Nelson Co.—reconstructing 6 mi. Lebanon-Libertyville Rd., S. P. 62-A. G., Marion Co. J. S. Watkins, hy. engr.

O., Zanesville—Oct. 29, by Comrs. Muskingom Co., hard surfacing 1 mi. Rd. 32, 18 ft. $25,000.

Iowa — Oct. 30, by State Hy. Comn., Ames, grading 9.75 mi. Road 13, P-594 Allamakee Co.—4.414 mi. Road 55, P-586, Clayton Co.—11.15 mi. Road 141, P-507, Crawford Co.—13.517 mi. Road 48, P-264 Page Co.—2.05 mi. Road 117, P-532, Jackson Co.—paving 9.047 mi. Road 4, P-479, 8.322 mi. Road 34, F-15 and 1.637 mi. Road 41, P-605, Mills Co.—8.251 mi. Road 149, P-246 Keokuk Co.—7.376 mi. Road 55, F-98, 7.043 mi. Road 55, F-308, Winneshiek Co.—graveling 6.25 mi. Road 153, P-M-601, Jones Co.—8.86 mi. P-513, Muscatine Co. R. F. White, hy. comr.

Kan., Alma—Oct. 30, by Clerk Wabaunsee Co., sand-gravel surfacing 8.305 mi. Projects 11-16-K515 and 11-17-K516. F. Itz, co. engr.

Kan., Independence—Nov. 8, by Clerk Montgomery Co., grading, culverts on 4.973 mi. U.S. 166, Federal Aid Project 285-B, 32 ft. J. E. Courtright, Independence, engr.

Kan., Larned—Nov. 1, by Clerk Pawnee Co., sand-graveling 0.333 mi. Project 37-3 A F. A. 281-B. L. F. Whearty, co. engr.

Ark., Magnolia—Nov. 2, by Bd. Comrs. Paving Dist. 2, R. C. Green, secy., grading, curbing, rein.-con. paving 11,200 sq.yd. J. W. Haynes, Camden, engr.

Ark., Nashville—Oct. 29, by Bd. Comrs. Paving Impvt. Dist. 2, Planters Bank & Trust Co., grading, rein.-con. paving 27,400 sq.yd. with integral curb and 23,900 sq.yd. without curb on Main St. J. W. Dawson, 425 State Natl. Bank Bldg., Texarkana, engr.

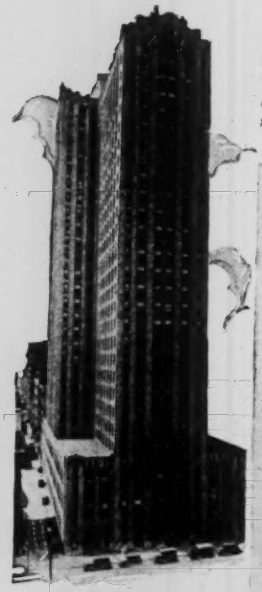
Constr. News page 220

In the heart of modern DETROIT

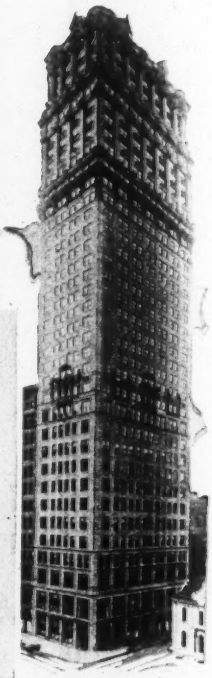
These are only a few of many buildings in the heart of modern Detroit which have Bethlehem Wide-Flange Structural Shapes—commonly known as Bethlehem Sections—in their steel framework.

When Bethlehem Sections were introduced, years ago, architects, engineers and contractors everywhere promptly recognized their advantages of economy in weight and in cost of fabrication, without sacrifice of strength.

These advantages of Bethlehem Sections led to their extensive adoption. They have been used—and are being used—in many prominent structures, not only in the United States, but throughout the world.



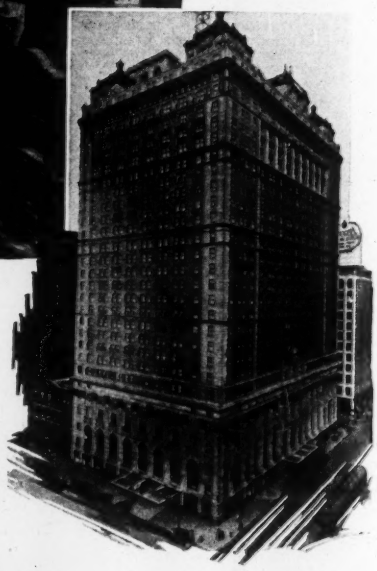
The Buhl Building, above, has Bethlehem Sections in its framework.



The steel framework of the Book Tower, above, is constructed of Bethlehem Sections.

At left: At the center the new Union Trust Building appears. At the left of it, the Buhl Building is seen; at the right, the Barlum Hotel and Tower. Bethlehem Sections were used in the steel framework of these buildings.

Below: The Barlum Hotel and Tower, looming up in the foreground, the Book-Cadillac Hotel, a few blocks further on, and the Hudson Store, just around the corner, have Bethlehem Sections in their steel framework.



The framework of the Book-Cadillac Hotel, at the right, is constructed of Bethlehem Wide-Flange Structural Shapes.

BETHLEHEM STEEL COMPANY

General Offices: Bethlehem, Pa.

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BETHLEHEM

Wide-Flange STRUCTURAL SHAPES

Streets and Roads (Continued)

Tex., Alamo—Nov. 7 (extended date), by A. W. Cameron, judge Hidalgo Co., Edinburg, grading, concrete paving 36 mi. hy. in Road Impvt. Dist. 3. $600,000. P. S. Devine, Edinburg, engr. Noted Oct. 4.

Tex., Donna—Nov. 12 (extended date), by A. W. Cameron, judge Hidalgo Co., Edinburg, grading, paving 45 mi. roads in Impvt. Dist. 7. $700,000. P. S. Devine, Edinburg, engr. Noted Oct. 4.

Tex., El Campo—Nov. 2, by City Comrs., alternate types paving 15 blocks various streets. $40,000. Nagle, Witt & Rollins, c/o City, engrs.

California—Nov. 7, by State Hy. Comn., Sacramento, grading, concrete paving 7.2 mi. road between Pine Valley and Kitchen Creek, San Diego Co.; grading, surfacing 2.9 mi. road between Roseville and Rocklin, Placer Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Calif., San Diego — Nov. 5, by Common Council, A. H. Wright, city clk., concrete curbing, mains, sewer laterals, 6 in. concrete paving 184,984 sq.ft. Turquoise and other streets. H. W. Jorgensen, city engr.

Quebec—Oct. 30, at office J. L. Boulanger, deputy minister Roads, Quebec, concrete resurfacing 17,202 ft. Valleyfield-Fort Covington Hys. in Sainte Cecile de Valleyfield Parish; 10,842 ft. in Saint Stanislas de Kostka Parish.

Contracts Awarded

Massachusetts—Dpt. P. Wks., Boston, bituminous macadam paving 17,787 ft. hy. in Groton and Pepperell, to A. Polatto, Dracut, $111,533. Noted Oct. 4.

Rhode Island—State Bd. P. Rds., Providence, rein.-con. paving 3.22 mi. hy. in Warwick and Cranston, 20 ft., to Lane Constr. Co., 37 Colony St., Meriden, Conn., $188,355; 4 mi. Jamestown, 18 ft., to Watkins Bros., New Bedford, Mass., $87,375. Noted Oct. 11.

Connecticut—J. A. MacDonald, hy. comr., Hartford, rein.-con. paving 3,975 ft. hy. in Danbury and Bethel, and waterbound macadam paving 8,655 ft. Canterbury, to J. Arborio, 59 Center St., New Haven; 20,800 ft. Weston, to Arborio Road Constr. Co., 408 Main St., Hartford. Est. $250,000. Noted Oct. 4.

N. Y., Long Island City—B. M. Patten, Pres. Queens Boro, Queens Subway Bldg., sheet asphalt on concrete paving Barn St., to W. P. McDonald Constr. Co., Lawrence St., Flushing, $6,674—22nd and Sunwick Sts., to Meehan Paving & Constr. Co., Laurel Hill Blvd., $23,536—Roosevelt Ave., to Cleveland Trinidad Paving Co., Flushing, $103,398—97th St. and grading, recurbing Bleeker St., to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, $6,842 and $12,578 respectively—58th St. also 50th and Fitting Sts., to Slattery Contg. Co., 7202 51st Ave., $1,442 and $5,225 respectively—Penelope St. and Rockaway Blvd., to Uvalde Asphalt Co., Metropolitan Ave., Brooklyn, $48,302 and $188,-955 respectively—97th St., to Welsh Bros. Contg. Co., 27 Purvis St., $6,920—3rd St., to J. J. O'Brien, Jr., 86-35 137th St., Jamaica, $8,211—Queens Blvd., to Kennedy & Smith, Inc., Bradford St., Flushing, $288,-410—Beach 35th St., and constructing bulkheads on Beach 68th St., to W. H. Gahagan Corp., 147 Remsen St., Brooklyn, $46,750 and $4,713 respectively. Grand total $751,-956. Noted Sept. 27.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sheet asphalt on concrete paving Pavo Rd., to Highway Impvt. Repair Co., Furmans Island, Brooklyn, $11,270— 43 (Kingsland) Ave., to Uvalde Asphalt Paving Co., Metropolitan Ave., Brooklyn, $20,479—Central Ave. (Foch Blvd.), to Sprague Constr. Co., Alameda St., Belle Harbor, $95,588—granite block paving Flushing Ave., to H. J. Mullin Contg. Co., 139-39 Jamaica Ave., Jamaica, $30,945. Grand total $158,282. Noted Oct. 11.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., grading, 2 in. Topeka on 6 in. stone paving Kaplan, Parker, Simons and Rowland Aves., to E. Abraham, Renner St., $82,006. Noted Oct. 4.

N. J., Hackensack — Bd. Freeholders Bergen Co., Court House, grading, paving Edgewater Rd., to J. Kinzley Co., Zabriskie St., Hackensack, $49,051.

N. J., Hillside (sta. Elizabeth)—Twp. Com., Town Hall, sheet asphalt on concrete paving Belleview Terrace and Morris Pl., to J. F. Champan & Son, 1439 North Broad St., $25,142. Est. $32,000. Noted Oct. 4.

N. J., Jersey City—Bd. City Comrs., City Hall, grading, sheet asphalt on concrete repaving Ocean Ave., to New Jersey Asphalt & Paving Co., Inc., foot of Jersey Ave., 86½% est. $25,000. Noted Oct. 11.

N. J., Lyndhurst (br. Rutherford)—Bd. Twp. Comn., Town Hall, grading, bituminous macadam paving Kingsland Ave., to W. D. Lynch, Post Office Bldg., Nutley, $36,281.

N. J., Ridgefield Park—Grading, rein.-con. paving Arthur St., to G. Di Napoli, Inc., 80 Main St., Hackensack, $32,526. Noted Oct. 18.

N. J., Ventnor (br. Atlantic City)—Atlantic Co., Mays Landing, paving Ventnor Ave., to Eastern Eng. Co., 4 N. N. Carolina Ave., Atlantic City, $74,260.

Pennsylvania—State Hy. Comn., Harrisburg, concrete paving 1.928 mi. Project 293-A, Fayette Co., to J. I. Dick, Scottdale, $38,976. Noted Sept. 6.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to J. Herzog, 4314 Old York Rd., grading Adams and Tabor Sts. $6,825—to J. F. Molloy, 15 East Mermaid Lane, Cheltenham St. $13,243; Limekiln Rd. $5,902—to Duffin Bros., Penn and Womroth Sts., Comly St. $1,890—to S. C. Ratzell, Limekiln Pike and Haines St., Godfrey St. $5,-752—to R. B. Wenner, 2819 West Gordon St., Lenape, Parma and Sorento Sts. $15,171—to J. F. Feeney, 106 North Kalos St., Leonard and Stanwood Sts. $806—to Eastern Asphalt Co., Penna Bldg., asphalt paving (assessment work) Aramingo St. $45,-531; Media St. $5,822; Shedaker St. $2,-538; 65th Ave. $2,622—to Barber Asphalt Co., Hunting Park Ave. at E St., Cherokee St. $5,584; Hollis St. $5,771; Limekiln Rd. $18,948—to Montgomery Paving Co., Harrison Bldg., Comly St. $7,920—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Cottage, Erdrick, Jackson and Walker Sts. $57,561—to Fish-Rutherford, Inc., 4058 Chestnut St., improving Cardington (country) Rd. $33,665—to M. Y. Neely, Inc., Bushleton, Phila., Duffield St. intersection with Roosevelt Blvd. $1,749; Pavonia Ave. $2,767—to Wilson-Martin, Inc., 1501 North 2nd St., Tabor St. $1,717—to Martin Contg. Co., Germantown Ave. and Durham St., 82nd St. $1,944—to Elkins Paving & Constr. Co., 836 North Holly St., redressed granite block paving Front St. $12,717; New Market St. $43,566. Grand total $317,937. Noted Sept. 27.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Survey, paving Frankford Ave. from Bridge St. northward to Union Paving Co., 123 South 21st St., $148,327. Noted Oct. 11 under "Railways, Pennsylvania."

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to R. B. Wenner, 2819 West Gordon St., grading Algard St. $636; Mulberry St. $1,297—to S. C. Ratzell, Limekiln Pike and Haines St., Dorset, Slocum and Upsal Sts. $4,994—to J. F. Feeney, 106 Kalos St., Ryan St. $1,780—to M. Leewright, 424 Seville St., Summit St. $4,982—to Montgomery Paving Co., Harrison Bldg., asphalt paving Belden and Devereaux Sts. $46,596—to Eastern Asphalt Co., Penna Bldg., Belgrade St. $7,692; Broad St. $13,978; D St. $8,099; Hawthorne St. $6,992; Montague St. $5,298; asphalt repaving Island St. $17,-989; Thompson St. $6,603—to Barber Asphalt Co., Hunting Park Ave. and E St., asphalt paving Bristol St., $9,490; Gerhard St. $5,221, Mifflin and Snyder Sts. $7,734; Milnor St. $5,651; Sansom St. $4,516; Smedley St. $4,484; Stiles St. $6,592; 3rd St. $5,878 — asphalt repaving Ridge St. $9,485—to Wilson-Martin, 150 North 2nd St., improving Burling Rd. $23,313—to F. A. Caruso & Son, 804 South 12th St., Hegerman Rd. $10,403, redressed granite block repaving Front St. $23,635—to Union Paving Co., 123 South 21st St., improving Island Rd. $18,782—to Curtis Bros., 6640 State Rd., Kelvin (Southampton) Rd. $4,153; Lewis and Warwick Rds. $3,442; Townsend (Meeting House) Rd. $33,515—to B. Foster Co., 20th and Venango Sts., Mt. Pleasant Rd. $6,905—to M. Y. Neely, Inc., Bustleton, Phila., Wheel Pump Lane $2,789—to Jafew Eng. & Constr. Co., 4015 Mitchell St., steel stairways for Montgomery Avenue Foot Bridge 184 over North Penn Branch Reading R.R., American St. $2,895. Grand total $315,819. Noted Oct. 11.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to McCarrick Bros., 3240 Fox St., grading Bergen St. $3,577—to T. P. Lee, 5629 Cherry St., Grovers St. $13,503—to Morrissey Bros., 4336 North Marshall St., Hortter and Phil-Ellena Sts. $1,722; 11th St. $839—to Frank Mark Contg. Co., Castor and Winghocking Sts., 65th Ave. $2,822; improving Knorr (county) Rd. $2,702—to Union Paving Co., 123 South 21st St., asphalt paving (assessment work), Atwood, Harlan and 66th Sts. $10,566; Mifflin St. $12,766; asphalt repaving Poplar St. $11,-573—to Barber Asphalt Co., Hunting Park Ave. at E St., asphalt paving (assessment work), Cedarbrook and Michener Sts. $23,-749; Champlost St. $4,005; Homer St. $7,-130; Marvine St. $5,187; Crianna St. $2,-530; 4th St. $2,662; 17th St. $2,455—to Eastern Asphalt Co., Penna Bldg., Dungan St. $4,281; Woodcrest St. $7,980—to Municipal Constr. Co., Washington Sq. Bldg., Lycoming, I and J Sts. $51,841—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Magee St. $84,804; Washington Lane $23,838—to F. A. Caruso & Son, 804 South 12th St., improving Bleigh (county) Rd. $3,044; Longshore Rd. $6,-298—to M. Y. Neely, Inc., Bushelton, Phila., Dearnley Rd. $9,455; Harner Rd. $2,947—to Martin Contg. Co., Germantown Ave. and Durham St., improving Green Lane $2,385—to Acchione Contg. Co., 1617 McKean St., redressed granite block repaving York St. and track area 19th St. $14,-747. Grand total $320,408. Noted Oct. 4.

Pa., Pittsburgh—Comrs. Allegheny Co., reconstructing Washington Rd., Mt. Lebanon Twp., to M. O'Herron Co., South 1st & McKean Sts., $33,419, est. $50,000; grading, curbing, paving Forward Ave., to Booth & Flinn, Ltd., Forbes St. $32,993, est. $43,100. Noted Sept. 27.

Maryland—State Roads Comn., Baltimore, graveling 3.2 mi. Contr. Ch-46, Charles Co., to Bacchiano & Swann, LaPlata, $27,-005. Noted July 21.

Md., Baltimore—Bd. Awards, sheet asphalt paving 12,500 sq.yd. Contr. 488, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $50,746. Noted Oct. 4.

Va., Richmond—Topsoiling, natural sand clay surfacing 2.216 mi. roadway from point in Halifax Co. to South Boston, to Marye & Blackenship, Shawsville, $21,719—0.519 mi. roadway, completing railway underpass in Dinwiddie Co., to J. A. Marrow Constr. Co., Soudan, $5,621.

W. Va., New Martinsville—Wetzel Co., 3 in. bituminous macadam on 8 in. bank run slag course paving 2 mi. road, from Smithfield up Princess Fork, 16 and 18 ft., to W. McCormick, New Martinsville, $33,537.

North Carolina — State Hy. Comn., Raleigh, to Roberts Paving Co., Salisbury, Mo., grading, concrete paving 8.43 mi. Currituck Co. $163,063; 11.69 mi. Iredell Co. $220,464; 2.42 mi. Davie Co. $46,017—to F. J. McGuire, Norfolk, Va., 7.64 mi. Perquimans Co. $80,277—to N. L. Teer, Durham, grading, one course gravel surfacing 10.06 mi. Durham Co. $72,430—to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, grading, sand asphalt paving 5.69 mi. Bladen Co. $64,047; 7.59 mi. Columbus Co. $91,436—to C. A. Ragland, Louisburg, clearing, grading, topsoiling 5.3 mi. Wake Co. $33,345—to W. E. Graham, Mt. Ulla, clearing, grading, small concrete structures on 10.39 mi. Watauga Co. $92,995—to T. A. Loving & Co., Goldsboro, rein.-con. bridge in Wake Co. $47,707. Grand total $911,781. Noted Sept. 27.

Alabama—State Hy. Comn., Montgomery, to W. J. Bryson Paving Co., Jacksonville, Fla., 2 in. asphalt on 6 in. concrete paving 6 blocks, Shelby Co., $23,899; chert surfacing 15.85 mi. Etowah Co. $13,619; 10.72 mi. Shelby Co., $9,615; graveling 10.49 mi. Fayette Co. $13,922—to Cox & Bryson, Anniston, topsoiling 5 mi. and graveling 5.5 mi. Clay Co., $43,464; 12.7 mi. Talladega Co. $20,754—to J. W. Gwin, Comer Bldg., Birmingham, gravel and chert surfacing 13.47 mi. Cherokee Co. $19,237; sand clay and gravel surfacing 20 mi. Bullock Co. $58,105—to H. Foster, Luverne, sand clay surfacing 12.22 mi. Lowndes Co., $28,180—to Bessemer Eng. & Constr. Co., 2109 5th Ave. N., Birmingham, grading 1.01 mi. Walker Co., $12,443—to W. J. McCoy, Lafayette, topsoiling 12.72 mi. Chambers Co., $16,800. Grand total $260,038. Noted Oct. 4.

Mississippi — State Hy. Dpt., Jackson, hardsurfacing 22 mi. hy. from Tougaloo, Hinds Co., to Canton, Madison Co., to B. C. George & Co., Corinth, $189,000.

Miss., Canton—Bd. Supervs. Madison Co., grading, bridges, culverts 15.683 mi. Federal Aid Project 79-B, to B. C. George & Co., Corinth, $189,000.

Miss., Hattiesburg—Grading, curbing, Alabama limestone and Topeka asphaltic concrete paving West 4th and Camp Sts., 10th and 21st Aves., to E. A. Finch, Hattiesburg, at $1.98 per sq.yd. Est. $100,000

Miss., Waynesboro — Grading, storm sewers, concrete paving, to Merrill Eng. Co., Lamar Life Bldg., Jackson, $28,000.

Ky., Louisville—Concrete paving 45th St. and asphaltic concrete paving 36th and Herman Sts., to Louisville Asphalt Paving Co., 240 East Lee St., $30,048—asphaltic concrete paving Cedar St., Garland, Virginia and Hale Aves., to H. Bickel Co., 443 Grand St., $190,622—asphalt paving Howard Dr., Hill and 34th Sts., to G. H. Eady Co., Brooks and Lee Sts., $24,223—asphalt, granite paving 4th St., to Andrews Asphalt Paving Co., Inter-Southern Bldg., $31,552. Grand total $276,445.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, brick paving 1.519 mi. Sect. L-1, Cleveland-Mast Liverpool Rd., Cuyahoga Co., to Highway Constr. Co., Guaranty Title Bldg., Cleveland, $224,608 incl. brick.

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Streets and Roads (Continued)

O., Cincinnati — Hamilton Co., concrete repaving 35,200 sq.yd. south fork of Taylor Creek Rd., to Scully Bros., 1011 Atlas Bank, $181,532. Est. $190,081. Noted Aug. 2.

O., Cleveland—Cuyahoga Co., stone curbing, concrete paving 12,760 sq.yd. Snow Rd. 4, to Baldwin Bros., 4500 Euclid Ave., $62,669.

O., Cleveland — Cuyahoga Co., Court House, 3 in. brick paving 3,960 sq.yd. Columbia Rd., to Freshwater Constr. Co., Davis & Farley Bldg., $25,280.

Ind., Crown Point — Comrs. Lake Co., concrete paving 2.5 mi. Snyder Rd., to Sunderman Constr. Co., Gary, $184,000. Noted Sept. 13.

Ind., Danville—Hendricks Co., constructing C. N. Tinder Rd., to W. P. Rigdon, Danville, $26,432.

Ind., Ft. Wayne—Allen Co., bituminous macadam on waterbound macadam paving 8.383 mi. Duglay Rd., to P. B. Putnam, Ft. Wayne, $178,294. Noted Sept. 27.

Michigan—Village of Plainwell, concrete paving 2.469 mi. MO3-19, C-1, 20 ft., Allegan Co., to Remus Constr. Co., Fennville, for State Hy. Dpt., Lansing, $62,900 incl. cement. Noted Sept. 13.

Michigan—H. G. Oakes, resident engr., Cadillac, concrete paving 1.685 mi. MO15-8, C-1, 20 ft., Charlevoix Co., to Rogers Constr. Co., Scottville, for State Hy. Dpt., Lansing. $51,403 incl. cement.

Mich., Royal Oak (Ind. br. Detroit)—One course 8 in. concrete paving 10,000 sq.yd. Main St. (between tracks), to R. D. Baker, Nine Mile Rd., Ferndale, $34,850.

Ill., Chicago—Cook Co. Comn., 139 North Clark St., paving Madison St. and Hillside Ave., to W. A. Black Co. 228 North La Salle St., $68,599 and $31,006 respectively, Devon Ave., to I. D. Lain, Waukegan, $55,-199—widening, paving Dixie Hy., to Pronger Bros., Blue Island, $192,859—Northwest Hy., to Milburn Bros., Rockford, $23,128. Grand total $370,791.

Ill., Cuba—Grading, curbing, guttering, 4 streets, to Hartman-Clark Bros., 920 Peoria Life Bldg., Peoria, $41,946. Noted Sept. 6.

Wisconsin—State and Marquette Co. Hy. Comns., Div. Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading, concrete paving 9,776 sq.yd. Westfield Subway Rd., Project 423-F, to J. F. Bloomer, Appleton, $27,632.

Wisconsin—State Hy. Comn., Madison, grading 6.277 mi. Project 411-D, Iowa Co., to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, Minn., $46,041—crushed stone surfacing 7.697 mi. same road, to Iowa County Constr. Co., Cobb, $24,245—bridges on above road, to R. G. Hase, Eau Claire, $17,380. Grand total $87,666.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., grading, paving 1 alley, to Bleck Constr. Co., 2123 Vliet St. $696—Dakota St., to Gumz & Switalski, 831 13th Ave. $27,095—11th Ave., to Czerwinski Constr. Co., 816 Clinton St. $18,429—Keefe Ave., to J. C. Bluhm & Son, 1299 Achilles Ave. $3,617—30th Ave., to F. W. Blodgett, 521 Newton Ave. $40,665. Grand total $90,502.

Ia., Marshalltown—Paving 28,380 sq.yd. West Main St., to D. J. Ryan Constr. Co., Davenport, at $1.20 per sq.yd., est. $55,000—7 in. rein.-con. paving 3,800 sq.yd. North 19th St., to Carlson Constr. Co., Marshalltown, est. $9,200. Noted Sept. 6.

Minn., Hastings—State Hy. Comn., St. Paul, 279,000 cu.yd. hydraulic fill on State Project 3-46, Sect. 1, near here, to La Crosse Dredging Co., 405 Plymouth Bldg., Minneapolis, $68,070.

Kan., Pittsburg—Concrete paving South Walnut St. and brick paving Monroe St., to Reed & Wheelock, Clay Center, $30,126.

Missouri—State Hy. Comn., Jefferson City, **(R. means Route)** to Excelsior Springs Constr. Co., Excelsior Springs, 30 ft. grading 4.394 mi. R.22, Sect. 303-A, Audrain Co. $17,696; 4.394 mi. Sect. 303-B same road $16,578; 2.412 mi., Sect. C same road $22,-680—to Stigall Constr. Co., Springfield, 2.995 mi. Christian Co. $19,282—to Carte-Harlin Constr. Co., West Plains, 1.439 mi. Oregon Co. $25,843—to Bertman & Menefee, Sedalia, 2.88 mi. R.40, Sect. 27-C, Cooper Co. $19,942; 3.203 mi. Sect. D, same road $42,085—to L. Gray, St. Louis, 4.971 mi. R.15, Sect. 2, $46,360; 4.777 mi. R.4, Sect. 69 $35,011, both Scotland Co.—to M. E. Gillioz, Monett, 2.879 mi. Carter Co. $54,-420—to A. L. Cook, Ottawa, Kan., 18 ft. graveling 3.517 mi. Clark Co. $4,843—to W. D. Knoll, Buffalo Center, Ia., 4.678 mi. Audrain Co. $13,227, 3.93 mi. Sect. 33-A same road $11,917; 4.119 mi. Sect. 34-A $14,397; 3.508 mi. Sect. 35-A $4,517—to J. L. Simmons Constr. Co., LaPlata, 0.55 mi. Livingston Co., $2,779; 1.563 mi. Linn Co. $7,577; 0.699 mi. Macon Co. $3,201—to Kiefner & Geile, Perryville, 4.543 mi. Perry Co. $40,091—to F. E. Kauffman, Jefferson City, 4.198 R.52, Sect. 35-A, Morgan Co. $4,999; 3.473 mi. Sect. 36-A, same road $4,131—to J. A. Kerr, Ozark, 4.348 mi. Sect. 41-A, Morgan Co. $13,111; 3.585 mi. Sect. 42-A same road $10,922; 2.406 mi. same road $5,970—to Fritzlen-Hufford & Vermillion, Kansas City, grading 0.868 mi. R.2, Sect. 11, St. Louis Co. $15,213; 20 ft. concrete paving same road $15,056—to C. H. Atkinson Paving Co., Watertown, S. D., grading, 20 ft. concrete paving 4.365 mi. Cole Co. $59,444—to E. D. Tyner Constr. Co., Kansas City, 18 ft. concrete paving 0.744 mi. Clay Co. $22,369—to H. Tidd, Brookfield, 0.694 mi. Linn Co., $16,456—to J. C. Patterson & Co., Kansas City, grading, rock asphalt on brick resurfacing 0.5 mi. Clay Co. $17,945—to O. O. Fuller, Nevada, concrete surfacing 0.2 mi. Vernon Co. $3,821; 2.196 mi. windrowing chats Bates Co. $6,644. Grand total $598,527. Noted Sept. 6.

Missouri—State Hy. Comn., Jefferson City, grading 3.678 mi. Project 286-B, Greene Co., to M. E. Gillioz, Monett, $25,503.

Ark., Brinkley—Grading, rein.-con. paving 45 blocks Brinkley Ave., to Forcum-James Constr. Co., Dyersburg, Tenn., $64,-520. Est. $64,520.

Tex., Houston—Curbing, guttering paving 57,000 sq.yd. streets in Braeswood addition, to Gulf Bitulithic Co., 2400 Polk St., $174,-238. Est. $200,000.

Tex., Houston—Harris Co., grading, crushed stone base paving 8.25 mi. Westheimer Rd., to Smith, Starkey & James, Stewart Bldg., $85,470. Est. $75,000.

Tex., Mineral Wells—For 2½ in. brick on concrete paving 8 blocks Northwest 4th Ave., to Mineral Wells Brick Co., Mineral Wells, $62,000.

Tex., Odessa—Paving 21 blocks, to Brown & Root, 1904 Post Dispatch Bldg., Houston, $55,000. Est. $60,000. Noted Apr. 26.

Tex., San Angelo—For paving 6 blocks South Madison St., to L. E. Whitham, 615 North Randolph St., $26,000. Est. $27,000.

Okla., Hooker—A. Lorenz, mayor, 7 in. concrete paving, 10,000 yd. streets, to J. Stanton & Son, Leavenworth, $38,766.

Okla., Maud — Grading, concrete paving 21,900 sq.yd. King Ave., to Standard Paving Co., 2119 East 11th St., Tulsa, $76,-087. Est. $83,952. Noted Sept. 20.

Okla., Seminole—Seminole Co., grading, concrete paving 7.5 mi. Little River Rd., 30 ft., to Taylor & Younger, Stock Yards Sta., Oklahoma City, $47,563. Est. $50,000.

Okla., Shawnee — Grading, sheet asphalt paving 7,300 sq.yd. Paving Dist. 71, to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $27,301. Est. $28,000.

Colo., Denver — Dpt. Impvts. & Parks, Sept. 20, asphaltic concrete paving North Denver Paving Dist. 14, to New Mexico Constr. Co., 4015 Galapago St., $34,727; concrete paving Alley Paving Dist. 180, to F. M. Perryman, 2161 South Williams St., $17,817. Noted Oct. 4.

Colo., Las Animas—L. E. Collett, city clk., paving Bent, Carson, 4th, 5th and 6th Sts., to W. A. Colt & Son, Las Animas, $65,000.

Washington—State Hy. Comn., Olympia, grading 95,500 cu.yd. Lewis Co., grading, graveling 17,000 cu.yd. King Co., to Halleran Bros., 2352 North Bway., Seattle, $97,-212 and $91,319 respectively—grading 188,-000 cu.yd. Stevens Co., to Triangle Constr. Co., 1220 Ide Ave., Spokane, $73,319—grading 72,000 cu.yd. Skamania Co., to R. W. Shaffer, P. O. Box 3641, Portland, Ore., $30,811. Grand total $292,661. Noted Sept. 27.

Wash., Seattle—Bd. P. Wks., repaving Jackson and 3rd Ave., to J. L. Smith Constr. Co., 301 West 36th St. $216,358 and $267,771 respectively—and 8th Ave. N., to R. G. Stevenson, 1237 Northlake Ave. $52,769. Grand total $536,898.

Wash., Seattle—Bd. P. Wks., paving East Marginal Way and Lane St., et al., to Goetz & Brennan, Seaboard Bldg., $71,120 and $35,526 respectively.

Wash., Seattle—King Co., concrete paving 2 mi. Renton-Maple Valley Rd., to Erickson Paving Co., 1515 North 34th St., $68,-868. Est. $70,000.

Wash., Walla Walla—Comrs. Walla Walla Co., grading, surfacing 4,898 cu.yd. Hy. 30-B, to J. E. Edwards, Spokane, $26,734.

California—State Hy. Dpt., Sacramento, grading 5.4 mi. San Bernardino Co., to B. Calvert, 1008 Towne Ave., Los Angeles, $25,975—grading, oil treated crushed rock surfacing 21.4 mi. San Bernardino Co., to Dillon & Boles, Los Angeles, $263,236—13.5 mi. Imperial Co., to R. E. Hazzard Contg. Co., 1517 Kettner Blvd., San Diego, $217,-975. Grand total $507,186. Noted Oct. 18.

California—State Hy. Dept., Sacramento, grading 3.9 mi. San Diego Co., to Nevada Contg. Co., Fallon, Nev., $99,804. Noted Oct. 18.

California—State Hy. Comn., Sacramento, grading, oil treating, gravel or stone surfacing 1.2 mi. Yolo Co., and grading, concrete paving 1.6 mi. Placer Co., to Frederickson Bros. and Frederickson & Watson, 215 1st Natl. Bank Bldg., Stockton, $25,-394 and $60,561 respectively.

Calif., El Centro — Grading, asphaltic concrete paving, street lighting system on 8th St., Adams Ave., to Hazard Contg. Co., 2548 Kettner St., San Diego, $76,821. Noted Oct. 4.

Calif., Los Angeles—Bd. P. Wks., grading, concrete paving 98,005 sq.ft. Roscoe St., to Tryon & Brain, 416 California Bldg., $29,177; 67,415 sq.ft. Vendome and Jewell Sts., to A .D. Chalmers, H. W. Hellman Bldg., $28,021.

Calif., Los Angeles—Los Angeles Co., grading, guttering, curbing, oil macadam paving 778,206 sq.ft. Glenada Ave., to A. C. Nelson, 126 North Huntington Dr., Pasadena, $136,721. Est. $167,017. Noted Sept. 27.

Calif., Los Angeles — Los Angeles Co., grading, 2 in. asphaltic concrete on 6 in. concrete paving 128,235 sq.ft. 7th St., to Griffith Co., Railway Bldg., $65,025.

Calif., Oceanside — Grading, curbing, sewers, concrete paving Albert and Lenard Aves., to Miracle Constr. Co., 4500 Menlo Ave., San Diego, $68,975.

Calif., Pasadena—For 4 in. oil macadam paving Salvia Canyon between Lida Ave. and Chevy Chase, to C. P. Day Corp., 35 North Raymond Ave., $71,548.

Calif., San Bernardino—Curbing, guttering, sidewalks, 5 in. asphaltic concrete paving Waterman Ave., to Hall-Johnson, 905 Westminister Ave., Alhambra, $60,965.

Calif., Sonora — Tuolumne Co., willite paving Tuolumne Rd. to Carson & Lesser, 693 Sutter St., San Francisco, $29,780.

Calif., Stockton—San Joaquin Co., grading, surfacing 12 mi. McDonald Island Rd., to G. E. Finnell, 1000 47th St., Sacramento, $40,173. Noted Oct. 11.

Ont., Blenheim—Asphalt paving 4 streets, to Merlo, Merlo & Ray, Ford City, $38,800. Engrs. est. $40,000.

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Public Bond Elections

Coming Bond Elections

Waterworks—Waterloo, Ill., Nov. 4, $35,000.
Waterworks—Golden City, Mo., Nov. 20, $70,000.
Waterworks — Hydro, Okla., Nov. 6, $25,000.
Waterworks — Brownsville, Tex., Nov. 3, $150,000.
Waterworks—Durango, Colo., $350,000.
Sewers—Louisville, Ky., Nov. 6, $10,000,000.
Sewers—Golden City, Mo., Nov. 20, $30,000.
Sewers—Brownsville, Tex., Nov. 3, $50,000.
Sewers—Galt, Calif., Oct. 27, $45,000.
Sewerage System — Crillia, Ont., January, $65,000.
Irrigation—Donna, Tex., Donna Irrigation Dist., c/o H. Ridgeway, Mgr., $1,350,000.
Irrigation—Hidalgo County, Tex., Oct. 27, $1,500,000.
Irrigation—San Diego Calif., Tijuana River Irrigation Dist., $170,000.
Irrigation—El Centro, Calif., $2,100,000.
Paving — Corpus Christi, Tex., Nov. 10, $200,000.
Paving—Brownsville, Tex., Nov. 3, $200,000.
Roads — St. Marys, Grant Dist., W. Va., Nov. 6, $65,000.
Roads — Woods County, Okla., Nov. 6, $400,000.
Roads—Montague County, Tex., Nov. 3, $750,000.
Roads—Willacy County, Tex., $400,000. (Election Sept. 29 cancelled.)
Roads—Colorado, Nov. 6, $60,000,000.
Schools — Tallahassee, Fla., School Dist., $450,000.
High School—Reno, Nev. $225,000.
Court House—Olympia, Wash., Nov. 6, $275,000.
Schools—Long Beach, Calif., $3,000,000.
High School—Martinez, Calif., $300,000.
Park Improvements, etc.—Clinton, Ia., Nov. 6, $137,000.
Gas Mains—Newton, Ia., Nov. 6, $40,000.
Fire Alarm System, etc.—Glendale, Calif., $200,000.

Bonds Voted

Waterworks—Cache, Okla., $23,000.
Waterworks—Ness City, Kan., $63,000.
Sewers—Lyons, Ga., $25,000.
Irrigation—Bent County Colorado Irrigation Dist., Colo., $60,000.
Paving—Senatobia, Miss., $60,000.
Roads—Lavaca County, Tex., $350,000.
Roads—Polk County, Tex., $125,000.
Roads—Wharton County, Tex., $250,000.

Bonds Defeated

Waterworks—Arlington, Kan., $34,000.

Streets and Roads (Continued)

Ont., Oshawa—Asphalt paving Ritson Rd., 3 streets and 3 avenues, to Standard Paving Ltd., Central Chambers, Elgin St., Ottawa $60,000. Noted Oct. 18.

Ont., Ottawa—Bd. Control, concrete curbing, guttering, asphalt on concrete paving 12,000 sq.yd. Bronson Ave. and Rideau St., to Standard Paving Co., Central Chambers, Ottawa, $52,000, Glen Ave., to city, by day labor. Noted Oct. 4.

Ont., Toronto — York Twp., asphalt on concrete paving Industry and Ray Aves., and asphalt paving Eileen Ave., to Constructing & Paving Co., Confederation Life Bldg., $46,686 — concrete sidewalks on Robina Ave., Everdeen Rd., Lingmuir Pl., and Winona Dr., to Prezio Bros., 141 Maria St., $3,517—Donald and Ypres Aves., to J. Simpson, 227 Wychwood Ave., $1,664. Grand total $51,867.

Ont., Toronto—Brick block on concrete paving St. Clair Ave. W. and 2 lanes, to Grant Contg. Co., 47 Wellington St. E., $25,145; concrete paving lane north of Gerrard St., to Mitchell Bros., 140 Pinewood Ave., $1,540. Grand total $26,685. Est. $26,000. Noted Oct. 18.

B. C., Point Grey—For 6 in. concrete paving, to Harrison & Lamond, 615 Hastings St. W., $27,414—to Hodgson, King & Marble, 626 Pender St. W., $13,300—to Armstrong, Morrison Paving Co., 553 Granville St., $12,145—to General Constr. Co. Ltd., 736 Granville St., $24,031—to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St., $6,851—to Dawson, Wade & Co., 500 Beatty St., $5,862, all in Vancouver. Grand total $89,603.

Buildings—Industrial

Proposed Work

Mass., Leominster — SHOWROOM and REPAIR GARAGE — J. G. Petersen, 23 Hale St., brick, Main St. $45,000.

Conn., Norwalk — SHOWROOM and SERVICE STATION—Austin's Garage, 47 Railroad Ave., South Norwalk, sketches by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, brick, West Ave. $50,000.

N. Y., Brooklyn—FACTORY—Steel Tubes Inc., Scott and Maserole Ave. soon lets contract 1 story, brick factory, Scott Ave. and Montrose extension. $400,000. Austin Co., 120 Bway., New York, archt. Noted Sept. 27.

N. Y., Brooklyn—SERVICE GARAGE—Curtis Building Corp., J. S. Ramke, pres., 1710 Ocean Ave. plans by Kessler & Goldsmith, 4914 Church Ave. 70 x 217 ft., brick, concrete, Meeker and Vandervoort Aves. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Kram Realty Corp., 285 Madison Ave., New York, plans by Klienert & Klie, 250 Park Ave., New York, 6 story, 67 x 95 ft., brick, concrete, Union St. and 7th Ave. $200,000.

N. Y., Brooklyn—SERVICE GARAGE—J. Reilly, plans by H. E. Magnuson, 420 Lexington Ave., New York, 2 story, 60 x 131 ft. brick, concrete, Bergen St. and 6th Ave. $90,000.

N. Y., Brooklyn—SERVICE GARAGE—D. Saladino, 1307 Dean St. altering and 2 story top addition, Bergen St. and New York Ave. $100,000. F. Savignano, 6005 14th Ave., archt.

N. Y., Brooklyn—SERVICE GARAGE—Louis Sarkin, 1744 East 1st St., 2 story, 70 x 196 ft., brick, garage, Prospect and 6th Aves. $60,000. Cohn Bros., 361 Stone Ave., archts. Noted Sept. 27.

N. Y., Brooklyn—SERVICE GARAGE—Sherwood Holding Corp., c/o A. Norek, 66 Court St., plans by H. J. Nurick, 44 Court St., 45 x 95 ft., brick, concrete 7th Ave. and Union St. $70,000.

N. Y., East Buffalo (Buffalo P. O.)—CAR REPAIR SHOP—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, soon takes bids general contract car repair shops, East Buffalo Yards.

N. Y., New York — GARAGE — Phillip Weeks Estate, 225 West 106th St., altering 4 story storage building to garage, 136 East 41st St. $40,000.

N. Y., New York—GARAGE and SHOWROOM—Knickerbocker Ice Co., 414 East 53rd St., plans by W. Shary, 41 Union Sq., 2 story, brick, timber, 452 West 167th St. $40,000.

N. Y., New York — REFRIGERATION PLANT—Manhattan Refrigerating Co., T. A. Adams, pres., 525 West St., sketches by Gunwald Aus, 244 Madison Ave., refrigerating plant, 533 West St. $100,000.

N. Y., New York—SERVICE GARAGE—Estate of C. F. Hoffman, W. V. Hoffman, in charge, 258 Bway., plans by W. M. Farrar, 250 8th Ave., altering 5 story service garage, 43 East 10th St. $50,000.

N. J., Bloomfield—FREIGHT STATION and YARDS—Erie R.R. Co., R. C. Falconer, ch. engr., 60 Park Pl., Newark, 2 story, brick, freight station and yard, Bloomfield Ave. $150,000.

N. J., Jersey City—MACHINE SHOP and OFFICE—R. G. Maupai Co., 73 South St., 2 story, basement, brick, steel, plain found., 164-66 Central Ave. $50,000.

Pa., Oil City—MANUFACTURING—J. C. Black Mfg. Co., 1 story, 100 x 400 ft., brick, steel manufacturing plant. $60,000. Private plans.

Pa., Scranton—MANUFACTURING—B. Edmund David, Inc., 325 Alder St., plans by L. V. Lacy, 45 Owen St., Forty Fort, rein.-con., brick, steel silk mill, plain found., South Washington Ave. $75,000.

N. C., Albemarle — HOSIERY MILL — Wiscassett Mills Co., Albemarle, silk hosiery mill. $1,000,000.

N. C., Durham—HOSIERY MILL—W. J. Berry, Durham, full fashioned hosiery mill, incl. 6 full fashioned machines. $75,000.

N. C., High Point—HOSIERY MILL—Diamond Full Fashioned Hosiery Co., F. Wineskie, pres., plans by C. C. Hartman, Greensboro, 1 story, 150 x 150 ft., brick, steel, Southern Ave.

N. C., High Point—HOSIERY MILL—L. R. Terry, High Point, 1 story, 75 x 77 ft., brick, 250 pairs (ultimately 2,000 pairs) daily capacity, Hamilton and Clay Sts.

Ala., Birmingham—PLANT—Gulf States Steel Co., W. H. Cloverdale, pres., B. & M. Bldg., plant additions. To exceed $3,000,000.

Tenn., Cleveland — SILK MILL — Klein Bros., 130 Madison Ave., New York City, sketches 100 loom silk mill, 15,000 sq.ft. floor space. $100,000 excluding machinery.

Tenn., Sparta—SILK THROWING MILL—J. C. Welwood Corp., 2 Park Ave., New York, soon lets contract 1 story, basement, 100 x 300 ft., brick. $75,000. J. C. Robert & Co., Bona Allen Bldg., Atlanta, Ga., archts. Noted Sept. 20.

O., Akron—FACTORY—Genl. Tire & Rubber Co., C. J. Jahant, vice-pres., plans by Osborn Eng. Co., 7016 Euclid Ave., Cleveland, remodeling and constructing 2 and 4 story, brick, steel addition. $200,000.

O., Canton — OIL WAREHOUSE — Pure Oil Co., 246 North High St., Columbus, soon takes bids 2 story, basement, brick, 19th St. $50,000.

O., Canton—FACTORY—Timken Roller Bearing Co., soon takes bids two 1 story buildings, one 131 x 287 ft. $100,000, other addition to shipping plant, $50,000-$75,000, both on 18th St. S.W.

O., Mansfield—FACTORY—Mansfield Tire & Rubber Co. soon take bids 2 story factory. $60,000.

O., Wilberforce—POWER HOUSE—Bd. Trustees Wilberforce University, plans by H. R. Briggs, Ohio Hartman Bldg., Columbus, 47 x 85 ft., concrete, brick, 40 ft. high. $60,000.

Ind., Indianapolis — AUTOMOBILE — H. T. Hickey, General Motors Bldg., Detroit, Mich., soon lets contract 2 story, 120 x 232 x 267 ft. automobile building, West Pratt St. between canal and Big 4 Ry., for Argonaut Realty Co. $150,000. A. Kahn, Inc., Marquette Bldg., Detroit, Mich., archt.

Ind., Indianapolis—SERVICE STATION—Great Western Oil Co., 1602 Deloss St., plans by F. F. Hodges, 426 Hickox Bldg., Cleveland, O., 1 story, 25 x 40 ft., brick, steel. $42,000.

Mich., Flint — PIPE WAREHOUSE — Crane Co., 836 South Michigan Ave., Chicago, Ill., sketches 1 story, 105 x 105 ft., concrete, brick, steel, plain found. $50,000. Engineer and architect not selected.

Mich., Saginaw — FOUNDRY — Baker Perkins Co., Inc., Hess Ave., 1 story, 100 x 230 ft., rein.-con., brick, steel addition, plain found. Private plans.

Ill., East Peoria (br. Peoria)—PLANT—Altorfer Bros. sketches 100 x 600 ft., concrete, steel addition. $250,000.

Wis., Milwaukee—CANDY FACTORY—Sperry Candy Co., 140 Reed St., plans by C. Thoringer, Milwaukee, 5 story, 50 x 140 ft., concrete, brick, steel, Pittsburgh Ave.

Mo., Crystal City—PLANT—Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, Pa., 2 story, 100 x 1,100 ft., concrete, brick, steel addition. $1,000,000. Private plans.

Ark., Fort Smith—CREAMERY—Quality Milk Co., c/o C. Ward, 201 North 10th St., sketches by Cable Eng. Co., Dallas, Tex., 2 story, 140 x 150 ft., creamery and pasteurizing plant, rein.-con., brick $60,000.

Ark., Paris—POWER HOUSE—Voted $40,000, altering and constructing power house addition for City, G. A. Hall, mayor.

Tex., Corpus Christi — COMPRESS — Aransas Compress Co., c/o J. K. Cain, pres., (3rd unit), compress plant caring for 30,000 bales cotton, containing high-density press. $175,000. Private plans.

Tex., Hearne—OIL PUMPING PLANT—Atlantic Co., oil pumping plant, 4½ mi. from here. $75,000 incl. machinery. Private plans.

Tex., Houston — FACTORY — Houston Coca Cola Bottling Co., 1210 Washington St., plans by Pringle & Smith, Norris Bldg., Atlanta, Ga., 2 story, 107 x 120 ft. factory, Capitol St. $80,000.

Colo., Alamosa—POWER PLANT—Pub. Serv. Co. of Colorado, 15th and Champa Sts. Denver, and H. L. Doherty & Co., 60 Wall St., New York, sketches 33 x 96 ft., brick, concrete power house 28 ft. high, turbine deveoping 1,500 kw., 500 hp. Sterling boiler. $140,000.

Wash., Seattle — FROG and SWITCH PLANT—Racor Pacific Frog & Switch Co., subsidiary of Ramapo Ajax Corp., J. B. Strong, mgr., 30 Church St., New York, 110 x 200 ft. main building, 1st Ave. S. at Hudson St. Total $400,000.

Calif., Culver City — FACTORY and SHOPS—See "Unclassified."

Calif., Eureka — SHOPS — State Hy. Comn., Sacramento, sketches by G. B. McDougal, state archt., Sacramento, concrete shops, storage and office buildings. $83,000.

Calif., Piru—PACKING PLANT—Piru Citrus Packing Co. plans by W. P. Sherherd, 15 South El Molino St., Pasadena, 1 story, 100 x 100 ft., rein.-con. addition.

Calif., San Francisco — LAUNDRY — North Star Laundry Co., Army and Howard Sts., plans by G. H. Jaehne, 1615 19th Ave., 2 story, brick, Army St. $40,000.

Calif., San Mateo — FACTORY — San Francisco Aircraft Specialty Corp. (J. R. Gilbert, 408 Warren Rd.), factory. To exceed $50,000. Engineer and architect not selected.

Que., Hull—FOUNDRY—A. H. Coplan, 7 Elemor Ave., Ottawa, soon takes bids addition. $150,000.

Que., Montreal — FACTORY — Fairchild Aviation Ltd., E. Wilson, pres., aeroplane factory, flying field. $250,000.

Que., St. Malo—GAS PLANT—Quebec Power Co., Quebec, gas plant addition, incl. generating unit capbale treating 80 tons coke per day, additional reservoir, 1,000,000 cu.ft. capacity. $500,000.

Ont., Ford City — PLANT — Chrysler Corp. of Canada, 181 Bloor St. E., Toronto, automobile plant. To exceed $1,000,000.

Ont., Orillia — REPAIR SHOPS — See "Unclassified."

Ont., Toronto — FACTORY — Dominion Radiator and Boiler Co., 1322 Dufferin St., rein.-con., brick, steel addition, plain found., Dufferin St. $300,000; also 1 and 2 story, brick, steel, stone addition to plant in Brantford, $200,000. Engineer and architect not selected.

B. C., Victoria—COLD STORAGE and TERMINAL WAREHOUSE—Cold Storage & Terminal Warehouse Co., c/o Foot & Wanger Bank of Nova Scotia Bldg., bids opened Oct. 15, not awarded to Tuney Bros. Ltd. This corrects report in Oct. 4 issue.

B. C., Point Grey—SUB-STATION—British Columbia Electric Ry. Co., 425 Carrall St., Vancouver, sub-station addition, incl. two 6,000 kw. transformer banks, 4 high tension oil circuit breakers. $140,000.

Bids Desired

Mass., Foxboro—POWER HOUSE—See "Contracts Awarded."

Conn., Fairfield—FACTORY—McKesson & Robbins Co., Grasmere St., taking bids 5 story, 100 x 200 ft., rein.-con., Grasmere St. $155,000. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, archts. Noted Oct. 18.

N. Y., Brooklyn—FACTORY—See "Contracts Awarded."

N. Y., Brooklyn — METAL REDUCING PLANT — Improved Cinder Co., 90 West St., New York, taking bids 2 story, 24 x 132 ft., Van Dam St. and Newtown Creek. $50,000. Kleinert & Klie, 250 Park Ave., New York, archts. Noted Sept. 27.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—BAKERY—See "Contracts Awarded."

N. Y., Ossining—INDUSTRIAL—Nov. 15, by Commissioner Dpt. Correction, 11 North Pearl St., Albany, industrial building, at Sing Sing Prison; adv. E. N.-R. Oct. 25.

N. J., Jersey City—WAREHOUSE and FREIGHT TERMINAL—Oct. 30, by Delaware, Lackawanna & Western R.R. Co., 90 West St., New York, G. J. Ray, ch. engr., Hoboken, general contract 1 and 8 story, 162 x 848 ft., rein.-con., Jersey Ave. and Grove St. $1,000,000.

N. J., Newark—RUG FACTORY—F. P. Friedman, archt., 395 Springfield Ave., taking bids general contract 2 story, basement, 50 x 100 ft., brick, steel addition, plain found., 416 Morris Ave., for Shapiro & Son, c/o architect. Noted Oct. 18.

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Buildings—Industrial (Continued)

N. J., Ocean City—ICE STORAGE—American Ice Co., 121 North Broad St., Phila., Pa., taking bids general contract 2 story, basement, brick, plain found., 12th and Haven Aves. $40,000. Private plans.

Pa., Phila.—RADIO FACTORY—Oct. 29, by Ballinger Co., archts., 12th and Chestnut Sts., 1 story, 515 x 911 ft., brick, steel, plain found., Wissahickon Ave. and Abbotsford Rd., for A. Atwater Kent, Wissahickon Ave and Abbotsford Rd.

Pa., Trafford—MANUFACTURING—See "Contracts Awarded."

Mich., Detroit—PLANT—A. Kahn, archts., 1000 Marquette Bldg., taking bids and open same about Nov. 2, 2 and 3 story, 575 x 700 ft., rein.-con., brick, steel, plain found., East Warren Ave., for Briggs Mfg. Co., 11631 Mack St.

Mich., Lansing — FACTORY — Motor Wheel Corp., Ferris and Larch Sts., taking bids 1 story, 200 x 400 ft., and 100 x 400 ft., brick, steel buildings, plain found., Ferris St.

Mich., Saginaw—FACTORY—Cowles & Mutscheller, archt., 114 North Washington Ave., taking bids 1 story, 30 x 270 ft., rein.-con., brick, steel, plain found., Rust St., for Wilcox Products Div., Wilcox-Rich Corp. $50,000.

Wis., Cudahy — PACKING PLANT — Henscher & McLaren, archts., 1637 Prairie Ave., Chicago, Ill., taking bids steel for 2 or 3 story brick, rein.-con., tank and beef house additions, for Cudahy Bros. $125,000.

Mo., St. Louis — FACTORY, WAREHOUSE and OFFICE — See "Contracts Awarded."

Mo., St. Louis — SERVICE GARAGE — See "Contracts Awarded."

Tex., Crane—GASOLINE PLANT—See "Contracts Awarded."

Contracts Awarded

Vt., Burlington—BAKERY—Fraser Baking Co., 50 Cherry St., 1 story, 100 x 145 ft., brick, steel, to V. A. Bergeron, 78 North Prospect St. Est. $40,000. Noted Oct. 11.

Mass., Brockton—GARAGE and REPAIR SHOP—Brockton Gas & Light Co., G. H. Priest, mgr., 54 Main St., 1 story, 125 x 125 ft., brick, steel, plain found., to T. F. Crowell & Sons, 21 South St., Boston. Est. $50,000. Noted Oct. 4.

Mass., Cambridge (br. Boston)—ENGINE TESTING LABORATORY—Massachusetts Institute of Technology, Massachusetts Ave., 1 story, 65 x 155 ft., brick, limestone, Vassar St. and Massachusetts Ave., to Chase & Gilbert, 250 Stuart St., Boston.

Mass., Charlestown (sta. Boston) — MANUFACTURING and GARAGE—J. W. Gately & Sons Co., 45 Harvard Sq., 2 story, 60 x 70 ft., rein.-con., brick, concrete found., Washington St., to F. J. Gallagher & Co., 580 Huron Ave., Cambridge. Est. $40,000.

Mass., Chelsea (br. Boston)—FACTORY—Raffi & Swanson, 22 Custom House, Boston, 1 story, 50 x 65 ft., brick, rein.-con., steel, plain found., to Concrete Constr. Co., 11 Garfield Ave. Est. $40,000. Noted Oct. 4.

Mass., Foxboro—POWER HOUSE—Commonwealth of Massachusetts, Dpt. Mental Diseases, 1 story, brick, rein.-con. addition, plain found., at State Hospital, day labor. $40,000. McLaughlin & Burr, 88 Tremont Sts., Boston, archts. Noted July 5.

Mass., Pittsfield—PLANT—Maple Wood Cleaners & Dyers, 438 North St., 1 story, basement, brick, steel, plain found., Dalton Ave., to J. R. Hampson & Co., Inc., 184 North St. Est. $40,000.

Conn., New Haven — PUBLISHING PLANT and OFFICE—New Haven Register, 88 Crown St., 2 story, 63 x 212 ft., brick, concrete, to H. Wales Lines Co., 134 State St., Meriden. Est. $150,000. Noted Sept. 20.

N. Y., Brooklyn—FACTORY—Metropolitan Constr. Co., 577 Metropolitan Ave., 3 story, Metropolitan Ave. and Catherine St., separate contracts. $45,000. Lospig & Saenfeld, 269 Bway., New York, archts.

N. Y., Brooklyn—SERVICE GARAGE—Weisbraun Realty Corp., S. Brauon, 435 Beach 36th St., Edgemere, 1 story, 150 x 175 ft., service garage, Erasmus St. Separate contracts. $70,000. H. J. Nurick, 444 Court St., archt. Noted Sept. 27.

N. Y., Brooklyn—OIL STORAGE TANKS—Sinclair Refining Co., 45 Nassau St., New York, tanks for oil storage, to Fisher-Williams, 103 Park Ave., New York. Est. $60,000. Noted Oct. 4.

N. Y., Great Neck—SERVICE GARAGE—Westmoreland Holding Corp., A. Van Nostrand, in charge, service garage and showroom, 262nd St. and North Hempstead Rd., to F. P. Russo, 93 Amity St., Flushing. Est. $60,000.

N. Y., New York — BAKERY — Dabross Building Corp., 277 Bway., A. Mostoff, pres., bakery, 172nd St. and Rosedale Ave., separate contracts. $40,000. Franklin Bates & Heindsmann, 2526 Webster Ave., archts.

N. Y., New York — FACTORY — C. H. Schultz Corp., 430 1st Ave., 5 story factory, 50-64 Perry St., to Barney Ahlers Constr. Co., 110 West 40th St. Est. $100,000.

N. Y., New York—WAREHOUSE—New York Steam Corp., 280 Madison Ave., 9 story, 46 x 100 ft. warehouse, East River and 36th St., to Turner Constr. Co., Graybar Bldg.

N. Y., Tonawanda — FACTORY — Natl. Grinding Wheel Co., A. Russ, pres., 2984 Main St., Buffalo, 2 story, 40 x 100 ft., and 1 story, 80 x 100 ft. factory, and 1 story office buildings, Erie Ave., to L. A. Harding Constr. Co., 1335 Main St., Buffalo, $70,000. Noted July 26.

N. J., Jersey City—MACHINE SHOP—J. T. Rowland, archt., 30 Journal Sq., general contract 2 story, 35 x 132 ft., brick, steel addition, plain found., 51-67 Fairmount Ave., to Peter Redfern & Sons Co., 569 Jackson Ave., for C. Mundt & Sons, 53 Fairmount Ave. Est. $40,000. Noted Sept. 20.

N. J., Morristown — REPEATER STATION—Voorhees, Gmelin & Walker, archts. 101 Park Ave., New York, general contract 4 story, basement, 45 x 75 ft., brick, steel, plain found., to Bontempo & D'Annunzio, Inc., 8 Flaga St., for American Telephone & Telegraph Co., 195 Bway., New York. Est. $100,000. Noted Sept. 27.

N. J., Piscatawaytown—METER and COMPRESSOR—Pub. Serv. Electric & Gas Co., Terminal Bldg., Newark, general contract 1 story, basement, 50 x 100 ft., brick, steel, plain found., to G. B. Rule, Inc., 71 John St., New Brunswick. Est. $40,000. Noted Oct. 11.

Pa., McKeesport—OPERATING HEADQUARTERS—Duquesne Light Co., 435 6th Ave., Pittsburgh, general contract 1 and 2 story, basement, brick, concrete, steel, to W. F. Trimble & Sons, 1719 Penna Ave., Pittsburgh. Est. $250,000.

Pa., Pittsburgh — BAKERY — J. Brown, 2833 Bway., Dormont, Pittsburgh, general contract 2 story, basement, 100 x 120 ft., brick, steel, West Liberty Ave. $50,000. Owner builds. Fishels Bakery, 5th Ave., lessee.

Pa., Pittsburgh—FREIGHT HOUSE—Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Street Sta., Phila., general contract 1 and 2 story, 100 x 119 ft., brick, steel, 16th St., to W. F. Trimble & Sons, 1719 Penna Ave. Est. $500,000.

Pa., Trafford — MANUFACTURING — Westinghouse Electric & Mfg. Co., East Pittsburgh, 1 story, 60 x 500 ft. and 100 x 450 ft., brick, steel, separate contracts. $150,000. B. H. Prack, Martin Bldg., Pittsburgh, archt.

Va., Norfolk — BAKERY — C. B. Comstock, archt., 110 West 40th St., New York, 1, 2 and 3 story, 235 x 300 ft., brick, terra cotta, fireproof, to R. R. Richardson & Co., Natl. Bank Commerce Bldg., for General Baking Co., 420 Lexington Ave., New York. $200,000. Noted Sept. 27.

N. C., Asheville—RAYON PLANT—American Enka Corp., A. F. L. Moritz, vice-pres., 114 East 32nd St., New York, general contract rayon plant on 75 acre tract to H. K. Ferguson Co., Hanna Bldg., Cleveland, O.; grading for above to Nichols Contg. Co., 1281 La France St., N.E., Atlanta, Ga. Est. $10,000,000. Noted Oct. 4.

Ga., Rome—RAYON PLANT—American Chatillon Corp., 394 7th Ave., New York, general contract 2nd unit, consisting 4 rein.-con., brick, steel buildings, to Hughes-Foulkrod Co., Commonwealth Bldg., Phila., Pa. Noted Aug. 23.

O., Cleveland—FACTORY—D. O. Williams, Galion, 1 story, 70 x 73 ft., brick, steel, 1800 East 38th St., to R. Hansen Constr. Co., 2952 Litchfield Rd. Est. $40,000.

O., Cleveland—FACTORY and STORE—W. A. Wendler Antique Shop, 2120 East 83rd St., 2 story, 37 x 60 ft. factory, and 1 story, 40 x 40 ft. store, brick, steel, 7908 Carnegie Ave., to A. H. Binns Co., 2504 Carnegie Ave. Est. $40,000.

O., Cleveland—MACHINE SHOP—Buckeye Froging Co., J. W. Baxter, pres., 10205 Harvard Ave., 1 story, 60 x 120 ft., brick, steel, 10205 Harvard Ave., to Dresser Co., The Arcade. Est. $40,000.

O., Wooster—FACTORY—Wooster Rubber Co., 1 story, concrete, brick, steel, East Bowman St., to O. A. Lowe, Wooster, $40,000.

Ind., Columbia City—POWER PLANT—City, L. L. Essig, clk., general contract brick, steel, to G. A. Walters, Columbia City. Est. $45,000.

Ind., Connersville — FACTORY—Auburn Auto Co., general contract 1 story, 80 x 100 ft., rein.-con., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $75,000.

Ind., Crawfordsville — FACTORY — Mid-States Steel Co., general contract 1 story, 85 x 250 ft., brick, steel, Oak St., to Warner & Wert, Crawfordsville; steel work, to Central States Bridge & Structural Co., 801 Beecher St., Indianapolis, Est. $50,000.

Ind., South Bend—FACTORY—Studebaker Corp., general contract 1 story, 62 x 302 ft., brick, steel, Sample St., to R. Sollitt & Sons, 518 East Sample St. Est. $75,000. Noted Sept. 27.

Mich., Detroit—FACTORY and OFFICE—C. H. McAleer Mfg. Co., 4718 Burlingame Ave., 1 and 2 story, 105 x 200 ft., concrete, brick, steel, plain found., Lyndon Ave., to M. Bartholomaei Son & Co., 1574 East Warren Ave. Est. $60,000.

Mich., Jackson—FACTORY—Frost Gear & Forge Co., 1 story, 100 x 160 ft., and 2 story, 50 x 100 ft. concrete, brick, steel additions, plain founds., South Horton St., to North Moeller Co., 120 Cortland St. Est. $75,000.

Mich., Lansing—WHEEL FACTORY—Motor Wheel Corp., Saginaw St., 1 story, 220 x 220 ft., rein.-con., brick, steel addition, plain found., May Ave., to H. G. Christman Co., Porter Apartment Bldg. Est. $75,000.

Ill., Carbondale — FACTORY — C. T. Houghton & Co., 116 West 3rd St., Cincinnati, O., 2 story, 99 x 108 ft., brick and concrete. $50,000. Owner builds. Noted June 21.

Ill., Chicago — FACTORY — Stewart Warner Speedometer Co., 1828 Diversey Parkway, masonry and carpentry contract 10 story, 88 x 103 ft., 2825 North Lincoln St., to J. Jensen & Son, 940 North Lorel Ave. Est. $300,000.

Ill., Chicago—LAUNDRY—Dalys Laundry, 17 West Pearson St., 2 story, 48 x 100 ft., 1113-15 Center St., to Chicago Industrial Constr. Co., 53 West Jackson Blvd. Est. $40,000.

Ill., East St. Louis—AIRPLANE FACTORY—Parks Airlines Inc., Missouri Theatre Bldg., St. Louis, Mo., (1st unit) 1 story, 100 x 560 ft., rein.-con., steel, near here, to St. Louis Structural Steel Co., 57th St. and Baltimore & Ohio R. R. Est. $200,000. Noted July 26.

Ia., Des Moines — FACTORY — Standard Biscuit Co., E. B. Bushnell, pres., 401 Southwest 8th St., 2 story addition, 8th and Tuttle Sts., to Sugarman Constr. Co., 725 Tuttle St. Est. $45,000.

Ia., Sioux City—FACTORY—Albertson Co., 4 story, basement, 40 x 150 ft., rein.-con., brick, addition, plain found., to W. A. Klinger, Inc., 508 Wamoch Bldg., $42,000.

Neb., North Platte — PRODUCE and FEEDING PLANT—Swift & Co., Packers and Exchange Aves., Chicago, Ill., 4 story, basement, 88 x 109 ft., rein.-con., brick, to R. Collins, 703 Davidson Bldg., Kansas City, Mo. Est. $100,000.

Mo., Kansas City — WAREHOUSE — Skelly Oil Co., 2605 Walnut St., 4 story, basement, 60 x 160 ft., brick, rein.-con., tile, 25th St. and Madison Ave., to L. Bretiag & Son, 232 Ry. Exch. Bldg. $100,000.

Mo., Springfield—BAKERY—C. J. Patterson Corp., 4050 Penn St., Kansas City, 1 story, basement, 96 x 130 ft., rein.-con., brick, 828 St. Louis St., to Fogel Constr. Co., 619 Reliance Bldg., Kansas City. Est. $50,000.

Mo., St. Louis — FACTORY, WAREHOUSE and OFFICE—N. O. Nelson Mfg. Co., 928 Chestnut St., 2 story, basement, 150 x 257 ft., rein.-con., brick, 3406-16 Duncan Ave., separate contracts, under supervision P. J. Bradshaw, archt., 718 Locust St. $200,000. Noted Sept. 20.

Mo., St. Louis—SERVICE GARAGE and SALES—B. S. Lang, c/o W. S. Frank, archt., 901 Century Bldg., 3 story, basement, 69 x 175 ft., rein.-con., brick, 2310-18 Olive St., separate contracts under supervision of architect. $100,000.

Tex., Crane — GASOLINE PLANT — Phillips Petroleum Co., Bartlesville, Okla., gasoline plant near here, day labor under supervision company's superintendent. $100,000. Private plans.

Wash., Seattle — STEAM POWER PLANT—Puget Sound Power & Light Co., W. H. McGrath, vice-pres., Stuart Bldg., (1st unit) 35,000 kw. generating plant, on Lake Washington, to Stone & Webster, Stuart Bldg., $5,000,000. Total $25,000,000.

Calif., San Francisco — PAINT FACTORY—R. N. Nelson, 151 Potrero Ave., rein.-con. factory addition Potrero Ave. and 15th St., to K. E. Parker, 135 South Park St. $100,000.

Ont., Chippawa—FACTORY—Norton Co. of Canada, N. Wilson, mgr., 1 story, 50 x 150 ft., steel, tile addition, to Smith Bros., 1740 Ellen St., Niagara Falls. Est. $50,000.

Ont., Toronto—WAREHOUSE—Victoria Paper & Twine Co. Ltd., general contract 3 story, basement, rein.-con., brick, steel, plain found., Fleet St., to Toms Contg. Co., foot of Cherry St. Est. $150,000.

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Buildings—Industrial (Continued)

Man., Winnipeg—FREIGHT CAR SHOPS—Canadian Pacific Rys., Windsor Sta., Montreal, Que., J. M. R. Fairbarn, ch. engr., general contract 305 x 317 ft., brick, steel addition, concrete found., to Claydon Co. Ltd., 708 Confederation Life Bldg. Est. $400,000.

Buildings—Commercial

Proposed Work

Mass., Boston—HOME—City, Hospital Dpt., convalescing home for men, hospital grounds. $150,000 or more. Engineer and architect not selected.

Mass., Boston—STORE and OFFICE—F. W. Woolworth Co., Park Sq. Bldg., 4 story, basement, brick, steel, plain found., 488-494 Washington St. through to Bedford St. To exceed $150,000. Private plans.

Mass., Brockton—APARTMENT—Owner, c/o G. Falk, archt., 152 Main St., 3 story, basement, 70 x 100 ft., brick, stone, plain found. $150,000.

Conn., Bridgeport—EXCHANGE—Southern New England Telephone Co., 157 Church St., New Haven, soon lets contract 10 story, 92 x 146 ft., brick, steel, Courtland St. $3,000,000. R. W. Fotte, 185 Church St., New Haven, archt. Noted Feb. 2.

Conn., Stamford — BANK — First Natl. Bank, C. W. Bell, pres., 303 Main St., brick, steel, Atlantic and Broad Sts. To exceed $150,000. Engineer and architect not selected.

N. Y., Brooklyn—APARTMENT—Brightwater Building Corp., M. Leibowitiz, pres., 50 Court St., plans by Cohn Bros., 361 Stone Ave., 6 story, 90 x 200 ft., brick, timber, East 4th and Brightwater Court, $325,000. Cohn Bros., 361 Stone Ave., archts.

N. Y., Brooklyn — TEMPLE — Order of Eastern Star, W. Godnick, in charge, 32 Court St., temple. $500,000.

N. Y., New York—Y. M. C. A., 420 Lexington Ave., plans by D. J. Baum, Spuyten Duyvil Parkway and Waldo Ave., 14 story, 125 x 260 ft., brick, steel, 3-11 West 63rd St. $1,500,000. Noted Dec. 12.

N. Y., Utica—CLUB—Y. M. C. A., c/o F. L. Thornsberry, 726 Washington St., plans by Bagg & Newkirk, 258 Genesee St., club. $800,000.

N. Y., West New Brighton—HOSPITAL—Sisters of Charity of St. Vincent, Mount St. Vincent on Hudson, soon lets contract hospital, Castleton and Bard Aves. $1,000,000. Ditmars & Reilly, 111 5th Ave., New York, archts.

N. Y., Yonkers—HOSPITAL—St. Johns Riverside Hospital, Ashburton Ave., plans by G. P. Butler, Jr., 40 East 49th St., New York, 6 story hospital. $500,000.

N. J., Atlantic City—APARTMENT—L. Mellon, c/o J. Decker, archt., 14 Northfield Ave., West Orange, sketches 5 story, basement, 50 x 115 ft., brick, steel, plain found., States Ave. $150,000.

N. J., Atlantic City—APARTMENT—E. Silade, c/o J. Decker, archt., 14 Northfield Ave., sketches 10 story, basement, 58 x 114 ft., brick, steel, plain found., Chelsea St. and Atlantic Ave. $300,000.

N. J., Bloomfield—BANK and OFFICE—Bloomfield Trust Co., 330 Glenwood Ave., sketches by Uffinger, Foster & Book-Walter, 221 West 57th St., New York, brick, steel, plain found., Broad St. and Bloomfield Ave. $1,000,000. Noted June 14.

N. J., East Orange — APARTMENT — Washington Towres, Inc., c/o M. Fischer, archt., 564 Main St., 6 story, basement, brick, steel, plain found., Washington St. $400,000. Noted Oct. 18.

N. J., Irvington (br. Newark) — TOWN HALL — Bd. Town Comrs., Town Hall, revised sketches by Guilbert & Betelle, 297 Market St., Newark, 3 story, basement, brick, steel, plain found. $600,000. Noted Mar. 22.

N. J., Jersey City—APARTMENT—A. A. Bernstein, 591 Park Ave., West New York, plans by G. B. McIntyre, 608 Park Ave., West New York, 4 story, basement, brick, steel, plain found., Summit Ave. and Hoyt St. $150,000. Noted Oct. 18.

N. J., Jersey City—APARTMENT—B. Clott, 129 Stevens Ave., plans by M. Kraut, 3010 Hudson Blvd., 5 story, basement, 86 x 125 ft., brick, steel, plain found., 115-117 Fairview Ave. $150,000. Noted Oct. 4.

N. J., Jersey City—ARMORY—State Military Board, Capitol, Trenton, plans by J. O. Hunt, Trenton, and H. A. Kelly, 921 Bergen Ave., associated archts., 4 story, basement, brick, steel, plain found., Mercer, Summit and Jordon Aves., $1,500,000.

N. J., Leonia—APARTMENT—D. I. M. Corp., R. DeConsoli, secy. and treas., 59 Bergenline Ave., Guttenberg, 5 story, basement, brick, steel, plain found., Grand Ave. and Christie St. $250,000. Engineer and architect not selected.

N. J., Linden — CITY HALL and LIBRARY—Bd. City Comrs., City Hall, sketches 2 story, basement, brick, plain found., Elm St. and Wood Ave. $150,000.

N. J., Montclair—LOFT and STORE—Owner, c/o A. E. Ramhurst, 506 Bloomfield Ave., Montclair, sketches 3 story, basement, brick, steel, Bloomfield Ave. $150,000.

N. J., Newark—APARTMENT—A. Lipton, 13 Broad St., Bloomfield, plans by Kasoff & Flatt, 164 Market St., 5 story, basement, 75 x 100 ft., brick, steel, plain found., Franklin St. $150,000.

N. J., Newark—BUSINESS—Owner, c/o A. Peter, archt., 207 Market St., sketches 3 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—GARAGE—New Jersey Bell Telephone Co., 1060 Broad St., soon lets contract 2 story, brick, 9-15 Orange St. $150,000. Voorhis, Gmelin & Walker, 101 Park Ave., New York, archts.

N. J., Newark—HOTEL—Ace Constr. Co., c/o Simpson & Rolston, archts., 45 Walnut St., revised plans 8 story, basement, 50 x 85 ft., brick, steel, plain found., 240 Mt. Prospect Ave. $150,000. Noted Oct. 18.

N. J., Newark — OFFICE — E. M. Waldron, 40 Park Pl., 96 x 100 ft. brick, steel, plain found., Park Pl. $250,000. Engineer and architect not selected.

N. J., Newark—THEATRE and STORES—Newark Motion Picture Guild, c/o H. M. Sohn, archt., 164 Market St., sketches 2 story, tower, brick, steel, Broad St. and Washington Park. $150,000.

N. J., Orange—BANK and STORES—Orange National Bank, 282 Main St. sketches by E. H. Fougner, 197 Market St., Newark, 2 story, basement, 65 x 120 ft., brick, steel, plain found., South Center St. and Central Ave. $150,000.

N. J., Orange—OFFICE and STORE—F. J. Murray, 142 Cleveland St., plans by E. H. Fougner, 197 Market St., Newark, 2 story, basement, 120 x 130 ft., brick, steel, plain found., Main and Day Sts. $150,000.

N. J., Red Bank — APARTMENT — H. Whitfield, Red Bank, 3 story, basement, brick, steel, plain found., Wallace St. near Broad St. $150,000. Private plans.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—K. E. F. Constr. Co., c/o W. Finne, archt., 91 Broad St., sketches 3 story, basement, 70 x 100 ft., brick, steel, plain found., Watson Ave. and Vine St. $150,000.

N. J., Spring Lake Beach—HOTEL—W. B. Stubbs, 3 story, basement, brick, steel, plain found., Ocean and 1st Aves. $150,000.

N. J., West New York—APARTMENT—See "Contracts Awarded."

N. J., West New York—OFFICE and SHOWROOM—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, plans by Pub. Serv. Production Co., 80 Park Pl., Newark, 2 story, basement, brick, steel, plain found., 5th St. and Murphy Pl. $150,000.

N. J., West Orange—HOTEL and CLUB—Owner, c/o S. Singer & A. Brach, 60 Park Pl., Newark, sketches brick hotel and club $150,000.

Pa., Butler—OFFICE—American Rolling Mills Co., Middletown, O., plans by Jannsen & Cocken, Century Bldg., Pittsburgh, 3 story, brick, steel office building. $200,000.

Pa., Media—COURT HOUSE—Deleware Co., H. M. Birney, pres. of Board, bids probably in November, court house, Front and South Sts. $1,125,000. C. W. Brazer, 1133 Bway., New York, and Chester, Pa., archt.

Pa., Phila.—CLUBHOUSE and OFFICE — Manufacturers Club, F. V. Anderson, Broad and Walnut Sts., plans by Simon & Simon, Philadelphia Fidelity Bldg., 22 story, rein.-con., brick, steel, plain found. $5,000,000. Noted Oct. 11.

Pa., Phila. — RESTAURANT — Horn & Hardart Co., 204 South Warnock St., plans by R. A. Bencker, 13th and Chestnut Sts., 2 story, basement, 47 x 154 ft., brick, steel, plain found., 1813-17 East Allegheny St.

Pa., Washington—Y. W. C. A. plans by R. G. Dickson, 6200 Penn Ave., Pittsburgh, 4 story, basement, brick, steel, West Maiden St. $200,000.

Del., Wilmington — APARTMENT — O. Phillips, 4020 Winchester Pl., Atlantic City, N. J., plans by W. E. Hance, Equitable Bldg., 10 story, basement, 44 x 120 ft., rein.-con., brick, steel, plain found., Jefferson and 10th Sts. $350,000.

D. C., Wash. — HOSPITAL — H. C. McGuary, archt. 1601 12th St. N. W. revised plans addition to Casualty Hospital, Massachusetts Ave. $200,000. Former bids rejected. Noted Oct. 4.

D. C., Wash. — HOTEL — Bellview Co., 1010 Vermont Ave. N. W., taking bids general contract hotel, E St. $800,000. Pierson & Wilson, Hill Bldg., archts. Noted Sept. 20.

Fla., Tampa—MEDICAL ARTS—Schumacher & Winkler, archts. and engrs., 705 Peninsular Telephone Bldg., soon take bids 10 story, basement, 50 x 60 ft., rein.-con., brick, tile, for W. A. Binnie, 3311 East 7th St. $300,000. Noted Sept. 6.

Ala., Birmingham—COURT HOUSE and JAIL—Jefferson Co. Court House Comn., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., and soon takes bids 9 story, 180 x 280 ft., rein.-con., stone, North 21st St. $3,000,000. H. B. Wheelock, Steiner Bldg., consult. archt. Noted June 14.

Miss., Hattiesburg—HOTEL—Syndicate, c/o Secretary Chamber of Commerce, plans by G. D. Barnett, 913 Syndicate Trust Bldg., 9 story, basement, 46 x 160 ft., rein.-con., brick, terra cotta. $500,000. E. C. Herron, Hattiesburg, associate archt.

Tenn., Nashville—BANK and OFFICE—Fourth & First Natl. Bank, 326 Union St., bids probably in December, 15 story, 85 x 100 ft., steel, stone. $800,000. Ludlow & Peabody, 101 Park Ave., New York, archts.

O., Cincinnati — APARTMENT — S. Broock & M. Kling, Southern Ohio Bank Bldg., plans by J. Rueckert, 42 Blymeyer Bldg., 3 story, basement, rein.-con., brick, plain found., Mitchell St. $175,000.

O., Cincinnati — APARTMENT — M. Fischer, 603 Gwynne Bldg., plans by W. Firth, 603 Gwynne Bldg., 3 story, basement, rein.-con., brick, plain found., McMillan St. $250,000.

O., Cleveland—APARTMENT—I. Cadkin, 3610 East 147th St., sketches by L. A. Wasserstrom, Auditorium Garage Bldg., 3 story, basement, 37 x 123 ft., brick apartment. $150,000.

O., Cleveland — BANK and OFFICE—Pearl Street Savings & Loan Co., H. W. Stecher, pres., West 25th St. and Clark Ave., plans by Walker & Weeks, 2341 Carnegie Ave., 2 and 4 story, brick, steel, concrete, West 25th St. and Clark Ave. $200,000.

O., Cleveland Heights (mail Cleveland)—STORE and APARTMENT—B. D. Roseman, 14628 South Woodland Rd., plans by M. Weis, Union Bldg., Cleveland, 4 story, basement, brick, timber. $250,000.

O., Cleveland Heights (mail Cleveland)—STORE and APARTMENT—Lee-Kinsman Co., W. E. Newcomb, pres., 1532 Keith Bldg., Cleveland, plans by Small & Rowley, Terminal Tower Bldg., Cleveland, 2 story, basement, brick, steel, stone, Lee and Kinsman Rds. $150,000.

O., Dayton—MEDICAL CLINIC—Dayton Clinic, Inc., c/o A. R. Arn, Fidelity Medical Bldg., soon take bids 2 story, basement, 52 x 78 ft., brick, stone, plain found., incl. garage, Wyoming Ave. $150,000.

Ind., Hammond—APARTMENT—Whiting & Hammond Corp. plans by L. H. Warriner, 743 Washington St., Gary, 3 story, basement, 125 x 135 ft., rein.-con., brick, Atchison and 119th Sts. $300,000.

Ind., LaPorte—AUDITORIUM—M. Fox, 1508 Indiana Ave., plans by J. J. Davey, 431 South Dearborn St., Chicago, Ill., 2 story, basement, brick, steel, stone auditorium and gymnasium. $200,000. N. Rich, 431 South Dearborn St., Chicago, Ill., engr.

Ind., Muncie—BANK—Merchants Bank, F. Bernard, pres., plans by McGuire & Shook, North Meridian St., Indianapolis, brick, steel bank. $150,000.

Ind., Vincennes—HOTEL—Grand Hotel Co. plans by J. W. Gaddis, 608 Amer. Natl. Bank Bldg., 6 story, basement, 45 x 125 ft., rein.-con., brick, stone, 3rd and Busseron Sts. $250,000.

Mich., Detroit—CLUB—Millar Temple Assn., c/o S. E. Remey, archt., 1140 Griswold St., 4 story, basement, 100 x 102 ft., rein.-con., brick, steel, plain found., Kercheval Ave. $150,000.

Mich., Detroit—COMMUNITY—Nov. 1, by C. E. Brewer, comr. Dpt. Recreation, 504 Elmwood Ave., 2 story, basement, rein.-con., brick, steel, plain found., Brewster St. $150,000. G. W. Graves, 233 John R St., archt.

Mich., Lansing — HOSPITAL — Bd. Supervs. Ingham Co. plans by Kidner & Rosenfeld, 155 East 42nd St., New York, and Bond & Munson, assoc. archts., 409 Wilson Bldg., hospital, Washington St. $300,000. Noted May 3.

Ill., Chicago—CLUB and APARTMENT—H. E. Foster, 18 North Walton Pl., plans by B. H. Marshall, 612 Sheridan Rd., 18 story, basement, 50 x 200 ft., 18 West Walton Pl., for H. E. Foster, 18 West Walton Pl. $1,500,000.

Wis., Milwaukee — APARTMENT — Owner, c/o G. Zagel & Bro., archts., 144 East Wells St., 6 story, basement, 60 x 105 ft., rein.-con., brick, steel, Jackson St.

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Buildings—Commercial (Continued)

Kan., Salina—OFFICE—United Life Insurance Co., bids early in 1929, 7 story, basement, 48 x 120 ft., rein.-con., brick, terra cotta, 7th and Iron Aves. $23,000. C. S. Shaver, 147½ Santa Fe St., archt. Noted Sept. 13.

Neb., Lincoln—COMMERCIAL—Bruce-Burtleff et al, 1325 K St., sketches 4 story, basement, 100 x 142 ft., rein.-con., brick, 13th and M Sts. $200,000.

Mo., Kansas City—APARTMENT—W. R. Jewell Realty Co., 423 Chambers Bldg., sketches by P. Drotts, 423 Reliance Bldg., 6 story, basement, 50 x 128 ft., rein.-con., brick, 1410 Central Ave. $250,000.

Tex., Baird—COURTHOUSE—Callahan Co., plans by Voelcker & Dixon, 207 Perkins Snider Bldg., Wichita Falls, 3 story, part basement, brick, stone, concrete courthouse. $150,000.

Tex., Del Rio—HOSPITAL—G. W. Cox fireproof hospital. $150,000. Engineer and architect selected soon.

Okla., Altus—HOTEL—Abbott Hotel Co. plans by E. H. Eads, 1st Natl. Bank Bldg., Chickasha, 4 story, basement, 75 x 140 ft., rein.-con., brick, stone, plain found. $180,000.

Okla., Oklahoma City—GARAGE—H. A. Heckard, 11 West Main St., plans by Layton, Hicks & Forsythe, 906 Baniff Bldg., 6 story, basement, 100 x 140 ft., rein.-con., brick, stone. $150,000.

Okla., Tulsa—OFFICE—Morris Plan Co., 202 West 4th St., sketches office building 4th and Boulder Sts. $175,000.

Colo., Pueblo—HOTEL—B. A. Shomaker, Box 111, soon lets contract 4 story, basement, 80 x 100 ft., brick, stone, steel, concrete, 9th and Main Sts. $200,000. W. DeMordaunt, 738 1st Natl. Bank Bldg., archt. Noted Aug. 16.

Colo., Pueblo—OFFICE—Railway Savings & Building Assn., c/o T. L. Lewis, 120 West 5th St., plans by W. DeMordaunt, 738 1st Natl. Bank Bldg., brick, steel, terra cotta, concrete, incl. vaults and banking facilities, West 5th St. between Main St. and Santa Fe Ave. $150,000.

Nev., Reno—HOTEL—G. Wingfield, fireproof addition to Golden Hotel. $150,000 or more.

Calif., Berkeley—APARTMENT—Owner, c/o G. L. Brown, archt., Amer. Bank Bldg., Oakland, 5 story, basement, brick, concrete, north of University Campus. $150,000.

Calif., Bishop — HOTEL — M. Boadway plans by C. F. Whittlesey, archt., 618 South Western Ave., Los Angeles, 2 story, 180 x 180 ft., stone, rein.-con. $150,000.

Calif., Los Angeles—APARTMENT—A. T. Lane, 253 South Bway., plans by MacDonald & Bryant, Spring-Arcade Bldg., 8 story, basement, 50 x 122 ft., rein.-con., Cherokee Ave. $200,000.

Calif., Los Angeles — HOSPITAL — Kaspare Cohn Hospital, bids after Nov. 1, 8 story, basement, 53 x 100 ft. main building, 1 wing, 2 story, 68 x 70 ft. kitchen and boiler room, 1 wing 8 story, 68 x 70 ft. nurses home, auditorium, all rein.-con., steel, stucco, stone, Fountain Ave. $1,500,000. C. Beelman, 1019 Union Bank Bldg., archt. Noted Aug. 9.

Calif., Oakland—APARTMENT—D. H. McCorkle, 319 14th St., plans by D. Stone, 354 Hobart St., 4 story, basement, rein.-con., Emerson St. $150,000.

Calif., San Diego—BANK and OFFICE—State Guarantee Co., c/o A. F. Roller, archt., Crocker 1st Nat'l Bank Bldg., San Francisco, 5 or more story, Class "A". To exceed $150,000.

Calif., San Francisco—OFFICE—Shell Co. of California, 200 Bush St., 2 story, Class "A", Bush and Battery Sts. $2,000,000. Engineer and architect not selected.

Calif., San Francisco—THEATRE—Orpheum Theatre Circuit, O'Farrell St. between Stockton and Powell Sts., Class "A" theatre. To exceed $750,000.

Calif., San Jose—HOTEL—St. Claire Hotel, 6 story, brick, steel, concrete annex, Market and San Carlos Sts. $200,000. Weeks & Day, Financial Center Bldg., San Francisco, archts.

Ont., Ottawa—OFFICE—Sun Life Insurance Co. Ltd., Dominion Sq., Montreal, Que., 133 x 180 ft. office building, Spark St. $400,000.

Ont., Toronto—APARTMENT—M. Helfand, 1282 St. Clair Ave. W., plans by Kaplan & Sprachman, 305 Dundas St. W., 4 or 6 story, basement, 140 x 200 ft., rein.-con., brick, steel, plain found., Edmunds Ave. $200,000.

Ont., Toronto — APARTMENTS — H. Davidson, Excelsior Life Bldg., plans by Kaplan & Sprachman, 305 Dundas St. W., three 2 story, basement, 119 x 120 ft., concrete, brick, steel, Oriole Parkway. $500,000. Excavation awarded to Lioni & Co., 1411 Duffern St.

Ont., Toronto—GARAGE—L. A. De Laplante, 100 Gerrard St. E., plans by W. R. Mead, Kent Bldg., 6 story, basement, 84 x 150 ft., rein.-con., brick, steel, stone, plain found., Bay St., $175,000.

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Bids Desired

Mass., Cambridge (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Malden (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Medford (br. Boston)—APARTMENT—See "Contracts Awarded."

Conn., New Haven — ARMORY — Nov. 26, by L. L. Field, 129 Church St., 3 story, 200 x 250 ft., brick, steel, concrete, Beaver Hill, for State, New Haven Armory Comn. $700,000. Payne & Keefe, 231 State St., New London, archts. D. E. Smith, 52 Temple St., assoc. archt. Noted July 26.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—GARAGE and APARTMENT—See "Contracts Awarded."

N. Y., New York—HOSPITAL—Italian Benevolent Institute, S. M. Serrari, in charge, 617 East 83rd St., bids about Dec. 1, hospital, 136 East 106th St., $2,000,000. A. J. DePace, 151 West 46th St., archt.

N. Y., Southampton — THEATRE — Corporation, c/o E. C. Alexion, 128 West 95th St., New York, bids about Nov. 15, 3 story, brick, limestone, Main St. $175,000. Schlanger & Ehrenrick, 45 West 34th St., New York, archts.

N. J., Bound Brook—HEADQUARTERS—See "Contracts Awarded."

N. J., Hackensack—CLUB—Nov. 12, by J. R. Gordon, archt., 507 5th Ave., New York, general contract 4 story, basement, 100 x 125 ft., brick, steel, plain found., Union and Park Sts., for B. P. O. E. 658, 177 State St. $200,000. Noted Feb. 9.

N. J., Lyndhurst (br. Rutherford) — STORE and OFFICE — L. Hillhouse (owner) and F. P. Freidman, archt., 395 Springfield Ave., Newark, taking new bids general contract 2 story, basement, brick, steel, plain found., Court Extension and Stuyvesant Ave. $150,000. Noted Sept. 27.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—HOSPITAL and NURSES' HOME—J. H. and W. C. Ely, archts., 605 Broad St., bids about Nov. 1, general contract 1 story, 40 x 85 ft. hospital, and 2 story, 20 x 30 ft. nurses' home, both brick, steel, Roseville Ave. and High St., for Babies' Hospital, 437 High St. $150,000. Noted Sept. 20.

N. J., Newark—OFFICE—Oct. 27, by M. E. C. Stout, engr. and archt., Gibraltar Bldg., general contract 3 story, basement, brick, steel addition, plain found., 80-84 Academy St., for Prudential Insurance Co., Prudential Bldg., Washington St. $150,000. Noted Dec. 29.

N. J., Orange—STORE and OFFICE—See "Contracts Awarded."

N. J., Rutherford — APARTMENT — Owner, c/o A. P. Nucciarone, archt., 206 Central Ave., Crange, bids about Nov. 15, general contract 3 story, basement, 115 x 120 ft., brick, steel, plain found. $200,000. Noted Aug. 2.

N. J., West New York — APARTMENT and STORE—See "Contracts Awarded."

Pa., Lima—HOSPITAL—Nov. 8, by Directors of Poor of Delaware Co., c/o G. T. Wades, Media, 2 story, basement, 58 x 139 ft., rein.-con., brick, steel, plain found. G. S. Idell, 1529 Chestnut St., Phila., archt.

Pa., Norristown—COURT HOUSE—Nov. 15, by W. C. Irwin, controller Montgomery Co., Court House, altering, constructing addition to court house. Rankin & Kellogg, 1805 Walnut St., Phila., archts.; adv. E. N.-R. Oct. 25. Noted June 9.

Pa., Phila.—APARTMENT—Friedman & Friedman, 6746 Old York Rd., taking sub-bids 4 story, basement, 42 x 100 ft., brick, steel, plain found., 16th and Colyn Sts. $150,000. Stetler & Dysher, 708 Chestnut St., archts.

Pa., Phila.—APARTMENT—P. E. Glassman, 5489 Morse Ave., taking sub-bids 4 story, basement, 56 x 179 ft., brick, steel, plain found., Morton and Cliveden Sts. $250,000. Private plans.

Pa., Phila.—HOSPITAL—Lackey & Hettle, archts., 5 Hudson Ave., Camden, N. J., taking bids (1st unit), 4 story, basement, 58 x 156 ft., rein.-con., brick, steel, plain found. 48th and Spruce Sts., for Osteopathic Hospital, c/o A. Holden, 19th and Spring Garden Sts. $300,000. Noted May 3.

Pa., Phila.—STORE—Oct. 29, by S. S. Kresge Co., L. A. Aiken, Kresge Bldg., Detroit, Mich., 2 story, basement, 36 x [illegible] ft., brick, steel, plain found., 28[illegible] Girard St. H. Holmes, 1630 Penobscot Bldg., Detroit, Mich., archt.

Mich., Detroit—CHAPEL and MAUSOLEUM—Oct. 29, by A. E. Harley, archt., 316 McKerchey Bldg., 3 story, 150 x [illegible] ft., rein.-con., marble, plain found., Long Lake Rd., Bloomfield Hills, for White Chapel Cemetery Corp., 620 Book Bldg. $300,000.

Mich., Kalamazoo—OFFICE and BANK—Nov. 1, by Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., masonry contract, etc., 15 story, basement, 74 x 100 ft., brick, steel, stone, granite, for Kalamazoo Trust & Savings Bank. $1,000,000. Foundation for above awarded to H. L. Vanderhorst, Kalamazoo. Noted Aug. 9.

Ill., Chicago—APARTMENT—N. Ronneberg, Inc., archts., 10 South La Salle St., taking bids 7 story, basement, 50 x 125 ft., rein.-con., brick, terra cotta, 4521 Malden Ave., for G. H. Johnson, c/o architect. $400,000.

Ill., Chicago—HOTEL—Nov. 1, by Fox & Fox, archts., 38 South Dearborn St., 3 story, basement, 100 x 192 ft., brick, stone, 917-33 Montrose Ave., for S. M. Earling, 1106 Leland Ave. $700,000.

S. D., Sioux Falls—HOSPITAL—Nov. 1, by Sioux Valley Hospital Assn., 6 story, basement, 42 x 200 ft., rein.-con., brick, stone, terra cotta hospital. $250,000. Hugill & Blatherwick, 367 Boyce-Greeley Bldg., archts. Rose & Harris, 417 Northwestern Natl. Life Bldg., Minneapolis, Minn., engrs. Noted Sept. 6.

Mo., St. Louis—APARTMENT—See "Contracts Awarded."

Wash., Bellingham — HOTEL — Bellingham Development Co., c/o R. C. Reamer, archt., Stimson Bldg., Seattle, bids about Jan. 1, 11 story, basement, 135 x 300 ft., rein.-con., brick, steel, Commonwealth and Flora Sts. $500,000. Noted Nov. 3.

Calif., Los Angeles — APARTMENT — Angelo-American Building & Finance Co., Inc., J. L. Crown, pres., 6362 Hollywood Blvd., taking segregated bids 5 story, basement, 100 x 150 ft., steel, brick, stone, 2nd and Washington Sts. $150,000 Meyer-Radon Bros., 6362 Hollywood Blvd., archts.

B. C., Essondale—HOSPITAL—Nov. 12, by Deputy Minister Provincial Govt., Victoria, and P. Philip, engr., Dpt. P. Wks., Victoria, rein.-con., brick, stone, tile, incl. female chronic building, nurses home, power house, plain found., on hospital grounds. $1,600,000. H. Whittaker, Dpt. P. Wks., Victoria, archt. Noted Feb. 3, 1927.

Bids Received

N. Y., Central Islip—HOSPITAL—Dpt. Mental Hygiene, Albany, Oct. 10, general contract hospital, at Central Islip State Hospital, from Willette Constr. Co., Inc., 114 East 32nd St., New York, Proposal 1 $519,839, Proposal 2 $541,936, Proposal 3 $346,590, and from Lane Ogle, Inc., 12 Murray St., New York, Proposal 4 $356,000; heating, from T. E. O'Brien, Inc., 6311 5th Ave., Brooklyn, Proposal 1 $27,068, Proposal 2 $26,547, Proposal 3 $18,048; sanitary work, from Levine Plumbing Co., Inc., 330 West 47th St., New York, Proposal 1 $30,349, Proposal 2 $28,830, Proposal 3 $20,233. Noted Aug. 30.

N. Y., Poughkeepsie—INFIRMARY—Dpt. Mental Hygiene, Capitol, Albany, Oct. 10, general contract infirmary, nurses home, staff building, Hudson River State Hospital, from A. E. Stephens Co., 1200 Main St., Springfield, Mass., Proposal 1 $537,300, Proposal 2 $536,500, Proposal 3 $530,800, Proposal 4 $530,000, Proposal 5 $482,300, Proposal 6 $482,000, Proposal 7 $476,300, Proposal 8 $476,000; sanitary work, from C. H. Darnstadt, Inc., 352 West 43rd St., New York, Proposal 1 $52,000, Proposal 2 $45,500; heating, from W. H. Baker Co., Inc., 101 Park Ave., New York, Proposal 1 $44,347, Proposal 2 $39,122. Noted Sept. 13.

N. Y., Sonyea—HOSPITAL—Dpt. Mental Hygiene, Capitol, Albany, Oct. 10, general contract completing Peterson Hospital, Craig, Colony, from C. A. Foote & Son, Mt. Morris, $43,126. Noted Aug. 3. Heating and sanitary work, from W. A. Alexander, 23 Charlotte St., Rochester, $3,368 and $11,970 respectively; electrical work, from A. J. Benerlein, Mt. Morris, $2,470.

N. Y., Stapleton—COURT—J. A. Lynch, pres. Richmond Boro, Boro Hall, Staten Island, Oct. 17, general contract courts building, from R. E. Smith Co., 258 Sharpe Ave., Port Richmond, $239,400. Noted Oct. 11. Heating, from H. Sand & Co., Inc., 138 West Bway., New York, $13,175; plumbing, from A. H. Ludwig & Co., Bay St., Port Richmond, $6,770; electrical work, from J. A. Cambria & Co., 56 Bway. St., St. George, $5,400.

Buildings—Commercial (Continued)

O., Columbus—CENTRAL POLICE STATION—City, Oct. 4, 5 story, basement, brick, steel, concrete, Water and Gay Sts., from Boyajohn & Barr, 2995 Park St., $623,000. Noted Sept. 27.

Tex., Temple—CITY HALL—G. E. Byars, city mgr., City Hall, 4 story, 46 x 110 ft., brick, rein.-con., stone, hollow tile, from G. H. Baker, Temple, $143,781. Noted Oct. 4.

Contracts Awarded

Mass., Brighton (Sta. Boston)—THEATRE—New England Theatres Operating Co., 19 Milk St., Boston, 1 story, basement, brick, steel, plain found., Commonwealth Ave. and Audubon Rd., to J. Newman, 7 Water St., Boston. Est. $150,000.

Mass., Cambridge (br. Boston)—APARTMENT—C. C. Cushman, 18 Tremont St., Boston, 4 story, basement, 65 x 100 ft., brick, stone, plain found., Martin St. separate contracts. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Concord—STORE and OFFICE—Town, Bd. of Trade, C. C. Carlson, secy., store and office building, improvements to other buildings. $150,000 or more. Engineer and architect not selected.

Mass., Malden (br. Boston)—APARTMENT—J. Shahbas, Lynnfield centre, 4 story, basement, 65 x 105 ft., brick, plain found., separate contracts. $150,000. B. E. Porter, 73 Tremont St., Boston, archt. Noted Aug. 2.

Mass., Medford (br. Boston)—APARTMENT—P. J. Griffin, 42 Metcalf St., 3 story, basement, irregular size; brick, plain found., Salem St. near Fellsway, separate contracts. $150,000. Private plans.

Mass., Melrose (Ind. br. Boston)—HOSPITAL—Melrose Hospital, 585 Lebanon St., 2 story, basement, 45 x 145 ft., brick, addition, plain found., to Curtis & Swift, Inc., 80 Boylston St., Boston. Est. $150,000. Noted Sept. 20.

Mass., Oak Bluffs—HOSPITAL—Martha's Vineyard Hospital Corp., 1 and 2 story, basement, addition, to F. L. Norton & Son, Edgarton. Est. $150,000. Noted Oct. 18.

Conn., Hartford—SHOWROOM—Heimovitch Bros., 470 Front St., 3 story, 62 x 124 ft. brick, marble, steel, to C. Seigal, 304 Edgewood St. Est. $150,000. Noted May 3.

Conn., New Haven — APARTMENT — Claremont Corp., H. Labov, pres., 145 Cottage St., 4 story, 250 x 260 ft., brick, Linden St. Owner builds. $500,000.

Conn., South Norwalk — BANK and STORE—People's Trust Co., 79 Washington Ave., 2 story, 80 x 125 ft., brick, limestone, to Mattiello & Laspergate, 79 Washington St. Est. $150,000. Noted Sept. 20.

N. Y., Albany—THEATRE—T. W. Lamb, archt., 644 8th Ave., New York, 3 story, brick, steel, 1030 Madison Ave., to M. Shapiro & Sons, 1560 Bway., New York, for Stanley Mark Strand Corp., 1578 Bway., M. L. Mark, genl. mgr. Est. exceeds $500,000. Noted July 12.

N. Y., Brooklyn—APARTMENT—Rostel Building Corp., 634 Montgomery St., brick, steel, apartment, East 51st St. and Rutland Rd. Separate contracts. $150,000. Kavy & Kavovitt, 350 Stone Ave., archts.

N. Y., Brooklyn—GARAGE and APARTMENT—S. Gilewitz, 494 East 96th St. 3 story, garage and apartment, East 93rd St. and Avenue B. Separate contracts. $150,000. Z. Z. Cohn, 447 Rockaway Ave., archt. Noted Sept. 27.

N. Y., Buffalo — APARTMENT — Main Best Apartment, Inc., 2 and 4 story, basement, 58 x 140 ft., brick, steel, Main and Best Sts., to C. Ullrich, 371 Minnesota Ave. Est. $175,000.

N. Y., New York—CLUB—Junior League of New York, 133 East 61st St., general contract 10 story, brick, steel, 221 East 71st St., to G. A. Fuller Co., 949 Bway. Est. $1,000,000. Contractor taking bids on sub-contracts. Noted June 21.

N. Y., New York—LABORATORY—Bell Telephone Laboratories, Inc., 463 West St., 3 story, 50 x 120 ft. laboratory Bank and Washington Sts., to Turner Constr. Co., 420 Lexington Ave.

N. Y., New York — OFFICE — W. P. Chrysler, 1745 Bway., acquired ownership of Reylex Corp. project and awarded general contract 68 story office building, Lexington Ave. from 42nd to 43rd Sts., to Fred T. Ley & Co., Inc., 321 West 44th St. Est. $12,000,000. Noted Feb. 23.

N. Y., New York—OFFICE and STORE—Madison 52nd Street Corp., c/o J. E. R. Carpenter, 578 Madison Ave., 25 story building, Madison Ave. and 52nd St., to Dwight P. Robinson Co., 125 East 46th St. To exceed $10,000,000.

N. Y., Orangeburg — HOSPITAL — Dpt. Mental Hygiene, Albany, (2nd unit) Rockland State Hospital, to Niewenhous Co., Inc., 16 East 43rd St., New York. $4,199,999. Noted Aug. 30.

N. Y., Scarsdale—APARTMENT—Owner, c/o G. A. Bagge & Sons, archts., 157 East 44th St., New York, apartment, Belmoy Rd., to Bagge & Murray, 12 East 41st St., New York. Est $250,000.

N. Y., Syracuse — APARTMENT — L. Fidler, 1108 East Genessee St., 6 story, basement, 84 x 150 ft., brick, steel, concrete pile found., 1030 East Genesee St. $500,000. Owner builds. R. J. West, 242 West Lafayette Ave., archt. Noted Oct. 18.

N. J., Bound Brook—HEADQUARTERS—Pub. Serv. Gas & Electric Co., 80 Park Pl., Newark, 2 story, basement, brick, steel, plain found., separate contracts. $150,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archts.

N. J., Newark—APARTMENT—A. Perlmon & R. Bain, 10 White Terrace, 3 story, basement, brick, steel, plain found., 8-10 White Terrace, separate contracts. $150,000. Private plans.

N. J., Newark — APARTMENT — South Side Building Co., 124 Vassar Ave., 5 story, basement, brick, steel, plain found., 302 6th Ave., separate contracts. $150,000. Kasoff & Flatt, 164 Market St., archts. Noted Oct. 18.

N. J., Newark—HOSPITAL and NURSES HOME—J. H. and W. C. Ely, archts., 605 Broad St., general contract 1 story, 40 x 84 ft. and 20 x 30 ft. hospital additions, and 4 story, 40 x 90 ft. nurses home, brick, steel, plain founds., to R. Howie, 763 Broad St., for Babies Hospital, 413 Military Park Bldg. Est. $200,000. Noted Sept. 20.

N. J., Orange—STORE and OFFICE—F. J. Murray, 142 Cleveland St., 2 story, basement, 120 x 130 ft., brick, steel, plain found., Main and North Day St., separate contracts. $150,000. E. H. Fougner, 197 Market St., Newark, archt.

N. J., West New York—APARTMENT—N. Speranza & G. Betti, 147 Summit Ave., Cliffside, 4 story, basement, 84 x 125 ft., brick, steel, plain found., 152-60 16th St., separate contracts. $150,000. A. DiPoala, 106 18th St., archt. Noted Oct. 18.

N. J., West New York — APARTMENT and STORE—Eagle Development Co., 8 West 40th St., New York, 2 story, basement, 117 x 118 ft., brick, steel, plain found., separate contracts. $150,000. E. V. Warren, 31 Clinton St., Newark, archt. Noted Oct. 11.

Pa., Clairton—THEATRE and OFFICE—Hendel Theatre Enterprises, Diamond St., Pittsburgh, general contract 2 and 3 story, basement, brick, steel, terra cotta, to R. W. Paul, Clairton. Est. $150,000. Noted July 19.

Pa., Lebanon—DEPARTMENT STORE—J. H. Caplan, c/o R. R. Chatfield, archt., 16 Prospect St., Westfield, N. J., general contract 2 story, basement, 50 x 150 ft., brick, plain found., 604-6 Cumberland St., to M. Swope, 8th and Hill Sts. Est. $150,000. Montgomery Ward Co., Baltimore, Md., lessee.

Pa., Phila.—OFFICE—R. J. Seltzer, 25 story, basement, 23 x 60 ft., rein.-con., brick, steel addition, plain found., 1419 Locust St., to F. V. Warren Co., 1913 Arch St. Est. $200,000.

Pa., Pittsburgh — APARTMENT — Development Corp. of Pittsburgh, Dithridge St., 9 story, basement, 100 x 140 ft., brick, steel, Dithridge St., to J. F. Shapiro, Webster Hall. Est. $500,000.

Pa., Pittsburgh — APARTMENT — H. Kamin, 5873 Forbes St., 8 story, basement, 100 x 100 ft., brick, steel, Dithridge St. $300,000. Owner builds.

Pa., Pittsburgh — APARTMENT — L. C. Vogeley, c/o S. F. Heckert, archt., Bessemer Bldg., general contract 3 story, basement, brick, steel, Ellsworth and Nagley Sts., to O. Larsen, 1438 Winterhill St. Est. $150,000.

Pa., Pittsburgh — THEATRE — F. K. Becker, Grandin Ave., Dormont, Pittsburgh, general contract 2 and 3 story, basement, brick, steel, Brownsville Rd., $150,000. Owner builds. Harris Amusement Co., 534 Smithfield St., lessee.

Pa., Wilkes Barre—EXCHANGE—J. T. Windrim, archt., Commonwealth Bldg., Phila., 6 story, basement, 80 x 140 ft., rein.-con., brick, plain found., to C. W. Strayer, Harrisburg, for Bell Telephone Co., 17th and Parkway Sts., Phila. Est. $400,000. Noted Oct. 4.

D. C., Wash.—APARTMENT, OFFICE and STORE — Clifton Manor Apartment, general contract apartment, office and store building, 2516 14th St. N. W., to M. A. Long Co., Albee Bldg. Contractor taking sub-bids.

D. C., Wash. — LEGATION — Austrian Legation, 1851 Wyoming Ave., general contract legation building, to R. Wilmer Bolling, 1800 E St. Est. $150,000. Contractor taking sub-bids about Nov. 1.

D. C., Wash.—OFFICE—W. B. Wood, archt., 16 Jackson Pl. N. W., office building to Consolidated Eng. Co., 20 East Franklin St., Baltimore, Md., for Southern Railway Co., 13th and Penn. Ave. Est. $2,000,000. Noted Sept. 27.

Ga., Atlanta—OFFICE—Pringle & Smith, archts., Norris Bldg., 17 story, basement, with 3 story tower, 62 x 72 x 82 x 95 ft., rein.-con., brick, terra cotta, to Southern Ferro Concrete Co., 70 Ellis St. N. E., for Rhodes-Haverty Co. Est. $705,000. Noted Aug. 30.

O., Akron—COMMISSION HOUSE—E. H. Weiner Co., 3 story, basement, 130 x 130 ft., rein.-con., brick, to G. A. Rutherford Co., 2725 Prospect Ave. Est. $250,000.

O., Cleveland—APARTMENTS—W. I. Cden, 17021 Lorain Ave., two 2 story, basement, 36 x 111 ft., brick, steel, 3948 Riveredge Rd., to O. E. Hickel, 4004 Riveredge Rd. Est. $150,000.

O., Cleveland—SALES and SERVICE—Scott A. Rogers Co. (Graham-Paige), S. A. Rogers, pres., 2020 Euclid Ave., 2 story, basement, 73 x 160 ft., brick, steel, concrete, East 37th and Prospect Sts., to S. W. Emerson Co., 1836 Euclid Ave. Est. $150,000.

O., Columbus—APARTMENT—Galbraith & Leonard, Inc., 42 East Gay St., 3 story, basement, 111 x 160 ft., concrete, brick, East Town St. Owner builds. $400,000. Noted Feb. 23.

Ind., Columbus — STORE — F. M. Overstreet, 2 story, basement, brick, steel, 540 Washington St., to Dunlap & Co., Columbus. Est. $150,000. Montgomery Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., lessee.

Ind., Connersville—OFFICE and BANK—Fayette Loan Assn., general contract 2 story, basement, brick, steel, to W. J. Behlner, Connorsville. Est. $150,000.

Ind., Evansville — OFFICE and THEATRE — Syndicate forming, c/o A. Phelps, 306 North 4th St., 12 story, basement, rein.-con., brick, steel, stone office and theatre, 2,700 seating capacity, 3rd and Sycamore Sts., separate contracts. $1,500,000. W. J. Knight & Co., 902 Wainwright Bldg., engrs., and Bowling & Shank, 1198 Arcade Bldg., archts., both St. Louis, Mo.

Ind., Muncie — APARTMENT — R. M. Thomas, general contract brick, steel, North Mulberry St., to J. Snyder & Sons, Muncie. Est. $150,000.

Ind., Warsaw—ARMORY—Indiana Natl. Guard, State House, Indianapolis, brick, steel, to Ostrom Realty & Constr. Co., Peoples Bank Bldg., Indianapolis. Est. $150,000.

Mich., Battle Creek—BANK and OFFICE—City Natl. Bank, 8 story, basement, 65 x 70 ft., rein.-con., brick, steel, stone, plain found., to Fridstein & Co., West Washington St., Chicago, Ill. Est. $1,000,000. Noted Oct. 18.

Mich., Detroit—MATERNITY HOME—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 3 story, basement, irregular sized, rein.-con., brick, stone, plain found., also power house and laundry, to W. E. Wood Co., 1805 Ford Bldg., for Florence Crittenden Home, 583 Elizabeth St. Est. $500,000. Noted Oct. 11.

Mich., Eloise—HOME—H. H. Prenzlauer, secy. Wayne Co. Superintendents of Poor, City Service Bldg., Detroit, 3 story, basement, rein.-con., brick, steel addition to terrace building, plain found., to Stibbard Constr. Co., 3000 Grand River Ave., Detroit. Est. $150,000. Noted Sept. 27.

Mich., Flint — HOTEL — Malcomson & Higginbotham, archts., 1219 Griswold St., Detroit, 3 story, basement, 70 x 130 ft., brick, steel, plain found., 2nd and Harrison Sts., to Burbank Constr. Co., 519 Dryden Bldg., for Pierce & Davison, Capitol Theatre Bldg. Est. $160,000. Noted Aug. 2.

Mich., Kalamazoo—OFFICE and BANK—See "Bids Desired."

Mich., Monroe—Monroe Co., one course concrete paving 2.6 mi. West Bearinger Rd., 16 ft., Whitford Twp., to Thompson Paving Co., Toledo, O., $62,492. Noted Sept. 6.

Mich., Muskegon—HOTEL—D. R. Swett, mgr. Occidental Hotel, general contract altering and constructing 8 story, basement addition, to Storm Constr. Co., Muskegon. Noted Sept. 13.

Mich., Pontiac—DETENTION HOME—Oakland Co., B. D. Daugherty, clk., Court House, 3 story, basement, rein.-con., brick, steel, stone, plain found., to F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $191,000. Noted Oct. 11.

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Buildings—Commercial (Continued)

Ill., Evanston—C. H. Walcott, archt., 431 Michigan Ave., Chicago, general contract 5 story, basement, 140 x 175 ft. building, to N. P. Severin Co., 222 West Adams St., Chicago, for Y. M. C. A., 300 West Adams St., Chicago. Est. $900,000. Noted July 5.

Ill., Highland Park — HOTEL — W. D. Mann, archt., 32 West Randolph St., Chicago, masonry contract 3 story, basement, irregular sized, brick addition, to N. Steenhill, 4835 Warwick Ave., Chicago; carpentry work, to A. Olson, Highwood, for Moraine Hotel Co. Est. $200,000. Noted Sept. 27.

Ill., Lake Forest—APARTMENT HOTEL—W. C. Jones, archt., 19 South La Salle St., Chicago, general contract 4 story, basement, 125 x 150 ft., to Peterson & Weeks, Waukegan, for Dearpath Inn. Est. $300,000. Noted Mar. 29.

Wis., Appleton—THEATRE—Fox Film Co., 850 10th Ave., New York, general contract 1 story, 72 x 177 ft., rein.-con., brick, terra cotta, to United Studios, Inc., 14 West Lake St., Chicago, Ill. Est. $275,000.

Wis., Manitowoc—WAREHOUSE—Aluminum Goods Mfg. Co., H. L. Vits, genl. mgr., Manitowoc, concrete foundation for 7 story, 115 x 302 ft., brick, steel addition, to W. W. Oeflein, Inc., 110 East Wisconsin Ave., Milwaukee; concrete piles, to E. A. Whitney & Son, 441 Bway., Milwaukee. Total est. $600,000.

Wis., Milwaukee—OFFICE and STORE—Glanz & Glanz, attys., 1201 North Ave., carpentry contract for 3 story, 75 x 120 ft., 37th and Vliet st., to C. Harp, 1157 49th St.; masonry, concrete, excav., to Wilke Bros., 1917 Oakland Ave.; steel, to Milwaukee Bridge Co., 1400 34th St.

Kan., Abilene — PASSENGER and FREIGHT DEPOT — Union Pacific R.R., 1410 Dodge St., Oamha, Neb., 1 story, basement, 32 x 185 ft., and 3 x 164 ft., brick, hollow tile, to G. A. Johnson & Sons, 740 Rush St., Chicago, Ill. Noted Sept. 20.

Neb., Omaha—BUS TERMINAL—Union Bus Depot, c/o D. A. Baum, 231 City Natl. Bank Bldg., 2 story, basement, 100 x 180 ft., rein.-con., brick, steel, stone, 16th and Jackson Sts., to Parsons Constr. Co., 219 Grain Exch. Bldg. Est. $150,000. Noted Oct. 11.

Mo., Clayton — APARTMENT — A. H. Tucker, c/o C. E. Etz, archt., 417 Title Guaranty Bldg., St. Louis, 3 story, basement, 81 x 108 ft., rein.-con., brick, terra cotta, Blue Ridge Terrace, separate contracts. $150,000.

Mo., St. Louis—APARTMENT—Alco Investment Co., c/o C. A. Chinberg, 808 Chestnut St., 3 story, basement, 60 x 160 ft., rein.-con., brick apartment, Cabanne Ave. west of Goodfellow Ave., separate contracts. $200,000. Nolte & Nauman, 614 Fullerton Bldg., archts.

Wash., Olympia — HOTEL — Schmidt Estate, Inc., 6 story, basement, addition to Hotel Mitchel, 7th St. and Capitol Way, to H. L. Stevens Co., Olympia. Est. $155,000.

Wash., Seattle — HOTEL — Olive Way Impvt. Co., c/o E. T. Osborn, archt., Leary Bldg., 4 story, basement, rein.-con., brick, 150 Olive Way, to J. R. Devendahl, 1815 East Harrington St. Est. $175,000. Noted June 21.

Wash., Seattle—OFFICE—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., 3 story, basement, 55 x 111 ft., masonry, steel, 4th and Union Aves., to Tuefel & Carlson, Skinner Bldg. $155,000, Est. $200,000. Noted Oct. 18.

Calif., Los Angeles—OFFICE—Mountain States Life Insurance Co., 6 story, basement, rein.-con., Vine and Yucca Sts., to B. Houtz, 1735 North Wilcox Ave., $150,000. (cost plus basis).

Calif., Los Angeles—STORE and LOFT—Van Nuys Building Co., Van Nuys Bldg., 3 story, basement, steel, rein.-con., South Spring St., to Scofield-Twaits Co., Pacific Finance Bldg., $300,000.

Calif., Los Angeles—STORE and OFFICE—Wilshire Blvd. Center, Inc., 5466 Wilshire Blvd., 2 story, 140 x 250 ft., with 60 x 60 ft. tower 100 ft. high, rein.-con., to Baum Co., Central Bldg., $350,000. Noted Aug. 16.

Calif., San Diego—THEATRE, GARAGE, LOFT—Gildred Bros., c/o Weeks & Day, archts., Financial Center Bldg., San Francisco, part 2 and 4 story, rein.-con., steel, A, B, 7th and 8th Sts., to Simpson Constr. Co., Architects Bldg., Los Angeles, $1,000,000. Noted Sept. 20.

Calif., San Francisco—APARTMENT—McKillop Bros., 46 Kearny St., 6 story, rein.-con., Buchanan and Herman Sts., to Mission Concrete Co., 125 Kissling St., $165,000.

Calif., San Jose—MARKET—V. Challen, et al, 600 South 3rd St., brick, Santa Clara St., to J. A. Bryant, 185 Stevenson St., San Francisco, $150,000.

Calif., Santa Monica—APARTMENT and GARAGE—P. Tuchman, 251 14th St., 4 story, basement, 75 x 133 ft., brick, steel, incl. 50 car garage in basement, 4th St. near Montana St., separate contracts, $200,000. M. Maltzman, 609 Union Bank Bldg., Los Angeles, archt. Owner taking subbids.

Ont., London — BANK and OFFICE — Bank of Toronto, 55 King St. W., Toronto, general contract 6 story, basement, 50 x 100 ft., brick, stone, Dundas St., to J. Putherbough, Bank of Montreal, Chambers St. Est. $200,000.

Ont., North Bay—THEATRE—Famous Players Canadian Corp., Royal Bank Bldg., Toronto, theatre, to Gomoll Bros., Burke St., $200,000.

Ont., Toronto — APARTMENTS — See "Proposed Work."

Ont., Toronto—APARTMENT—A. Latcham, 1454 Yonge St., masonry contract 4 story, basement, 90 x 130 ft., brick, steel, to Fidani Bros., 1438 A Dufferin St.; electrical wiring, to Globe Electric Co., 718 Coxwell Ave.; heating, to R. Steen, 9 Grimthorpe Rd.; plumbing, to E. H. Mills, 22 Emerson Ave. Est. $165,000. Noted Apr. 26.

Ont., Toronto — APARTMENT — F. M. Squires, Federal Bldg., general contract 2 story, basement, 80 x 150 ft., concrete, brick, steel, St. Clair Ave. W., to J. Walker, 344 St. Clair Ave. W.; structural steel, to McGregor & McIntyre, 1139 Shaw St.; electrical work, to W. Whiting, Long Branch; heating, to R. Steen, 9 Grimthorpe Rd. Est. $160,000.

Ont., Toronto — OFFICE — H. Horner, archt., 79 Adelaide St. E., general contract 2 story, basement, 100 x 126 ft., steel, stone, to Dickie Constr. Co., 17 Yorkville Ave.; structural steel, to J. T. Hepburn, 18 Van Horn St.; excavation, to Orsini & Co., Ellsworth Ave., for Natl. Life Assurance Co. of Canada, 25 Toronto St. Est. $250,000. Noted Sept. 6.

Ont., Toronto—OFFICE and WAREHOUSE—Tamblyns Ltd., 129 Richmond St. W., general contract concrete, brick, steel, to R. B. Scott, 48 Yonge St.; masonry, to M. Manley, Northern Ontario Bldg.; steel sash, to Canadian Metal Window & Steel Products Ltd., 160 River St. Est. $175,000. Noted July 5.

Buildings—Educational, Religious

Proposed Work

Mass., Dorchester (sta. Boston) — SCHOOL—City of Boston, Schoolhouse Dpt., sketches by Desmond & Lord, 1 Beacon St., Boston, 2 story, basement, brick, limestone, plain found., Tileston Dist. $150,000-$200,000.

Mass., Lynn — SCHOOL — City, R. S. Bauer, mayor, city hall, revised sketches by C. V. Burgess, 23 Central Ave., 2 story, basement, brick, plain found., Bennett and South Sts. $250,000. Former bids rejected. Noted June 14.

Mass., New Bedford — AUDITORIUM — E. T. Caswell, 590 Pleasant St., 1 story, 115 x 145 ft., brick, steel, plain found., Purchase St. $150,000. Private plans.

Mass., Rockport—SCHOOL—Town, W. F. Eldridge, supt. schools, 2 story, basement, probably brick, stone, Pigeon Ave. $150,000. Engineer and architect not selected.

Mass., Springfield—SCHOOL—City Dpt. Schools, City Hall, grade school. $200,000 appropriated. Engineer and architect not selected.

Mass., Waltham (Ind. br. Boston) — HIGH SCHOOL — City, H. F. Beal, chn. building comn., revised sketches by Hutchins & French, 11 Beacon St., Boston, Senior High School, 3 story, basement, irregular sized brick, stone, plain found., Lexiton and Dale Sts. $1,000,000. Noted Jan. 12.

Mass., West Roxbury (sta. Boston) — CHURCH — St. Theresa's Roman Catholic Church, W. F. Lyons, pastor, Centre St., church. Est. $250,000. Engineer and architect not selected.

R. I., Hopkinton—SCHOOL—Bd. Educ., sketches by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story, basement, brick, stone, plain found. $150,000 or more.

R. I., Johnston (mail Providence)—HIGH SCHOOL—Town, E. C. Preston supt. schools, sketches by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story, basement, brick, stone, plain found. To exceed $150,000.

R. I., Pawtucket—HIGH SCHOOL—City, W. A. Newell, supt. schools, altering and constructing Junior High School addition, Newport Ave. Est. $150,000 or more. Engineer and architect not selected.

R. I., Providence—HIGH SCHOOL—City, P. Building Dpt., plans by T. J. H. Pierce, City Hall, Junior High School, brick, steel, Chalkstone Ave. $300,000.

N. Y., New York — HOME — Samaritan Home for Aged, H. Davis, in charge, 414 West 22nd St., soon lets contract home for aged, 440 East 88th St. $175,000. J. F. Jackson, 137 East 45th St., archt. Harrison Bros., 304 Madison Ave., heating and electrical engr.

N. Y., Patchogue — CHURCH — First Church of Christ Scientist, c/o F. M. Koerner, soon lets contract church. $150,000. B. E. Muller, 527 5th Ave., New York, archt.

N. Y., Pelham Manor (Ind. br. New York) — HIGH SCHOOL — School Bd., H. B. Nevins, pres., bids in November, high school. $500,000. Hart & Shape, 247 Park Ave., New York, archts.

N. J., Atlantic City — SCHOOL — Bd. Educ., Tennessee and Atlantic Aves., plans by H. A. Stout, Guarantee Trust Bldg., 2 story, brick, steel, concrete, Ventnor Ave. $350,000.

N. J., Belleville (br. Newark)—CHURCH—Christ Episcopal Church, Main St., 2 story, basement, brick, steel, plain found., Main St. $150,000.

N. J., Bloomfield—CHURCH—First Presbyterian Church Tabernacle, A. G. Sinclair, chn., 67 Park Pl., brick church, Watchung Ave. $150,000. Engineer and architect not selected.

N. J., Closter—SCHOOL—Bd. Educ., Main St., 2 story, basement, brick, steel, Main and High Sts. $265,000.

N. J., Elizabeth—CHURCH—Church of Holy Rosary, c/o J. B. Beatty, archt., 15 North Reid St., sketches 1 story, basement, 90 x 130 ft., brick, steel, plain found., Elizabeth Ave. $200,000.

N. J., Elizabeth — CHURCH — Sacred Heart Roman Catholic Church, 403 Spring St., soon lets contract church, Spring and Magnolia Aves. $175,000. F. J. Schwartz, 233 Bway., New York, archt.

N. J., Mannsville—SCHOOL—Bd. Educ., W. W. French, dist. clk., Anwell Rd., Bloomingdale, sketches by A. Merchant, 52 Paterson St., New Brunswick, 2 story, brick, steel, plain found. $150,000.

N. J., Maplewood (br. South Orange)—SCHOOL—St. Joseph Church, 267 Prospect St., sketches 2 story, basement, brick, steel, plain found. Prospect St. $150,000. Private plans. Noted Oct. 4.

N. J., Montclair — DEMONSTRATION SCHOOL—State Bd. Educ., State House, Trenton, plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, 80 x 170 ft., brick, steel, plain found., Normal School Grounds. $240,000. Noted Oct. 11.

N. J., Newark—SCHOOLS—Bd. Educ., City Hall, two 3 story, basement, brick, steel, plain founds., Maple and Lincoln Aves. $165,000. Engineer and architect not selected.

N. J., Raritan—SCHOOLS—Bd. Educ., Township Hall, revised plans by Grieson & Tusig, 175 Smith St., Perth Amboy, 2 story, basement, brick, steel, plain found. $150,000. Noted May 17.

Pa., Mansfield—AUDITORIUM—Mansfield State Teachers College, Mansfield, O., plans by Eric, Fisher Wood Co., 233 Oliver Ave., Pittsburgh, 2 story, basement, brick, steel auditorium. $180,000.

Pa., Phila. — DORMITORY — University of Pennsylvania, 36th and Spruce Sts., plans by Stewardson & Page, 315 South 15th St., 4 story, basement, brick, rein.-con., steel, plain found., Hamilton Walks and 36th St. $200,000.

Del., Harrington—SCHOOL—Bd. Educ., Delaware School Foundation, A. J. Taylor, pres., Du Pont Bldg., Wilmington, sketches by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., 2 story, basement, elementary and high school, brick, steel, plain found. $200,000.

D. C., Wash.—MEDICAL—Georgetown University revised plans by G. A. Didden, Bond Bldg., medical school. $1,000,000. Noted Mar. 29.

N. C., Goldsboro — SCHOOLS — Comrs. Wayne Co. sold $277,000 bonds of which $173,000 will be used for new schools in county.

Fla., Tallahassee—SCHOOLS—Trustees, School Dist. plans by Edwards & Sayward, 101 Marietta Bldg., Atlanta, Ga., high grammar and negro schools, each 2 story, basement, brick, stone. $450,000 bond election soon for same.

La., Algiers (sta. New Orleans) — CHURCH—Holy Name of Mary Parish, c/o pastor, soon takes bids 1 and 2 story, 65 x 177 ft., rein.-con., brick, stone, rein.-con. and pile found. $200,000. A. W. Norman, Cotton Exch. Bldg., New Orleans, archt.

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Buildings—Educational, Religious (Cont.)

La., New Orleans — CHURCH — Holy Name of Mary Algiers, plans by A. W. Norman, Cotton Exch. Bldg., 65 x 177 ft., rein.-con., wood pile found. $200,000.

O., Cleveland—SCHOOL—St. Thomas Aquines Roman Catholic Church, T. T. Mahan, pastor, 1230 Ansel Rd., plans by W. C. Jansen, 1227 Prospect Ave., 2 story, basement, concrete, brick, steel, Ansel Rd. $200,000.

Mich., Lansing — SCHOOL — Bd. Educ., plans by J. N. Churchill, 906 Prudden Bldg., 2 story, basement, 115 x 165 ft., brick, steel, plain found., South Chestnut St. $150,000.

Ia., Sioux City—SCIENCE HALL and LIBRARY—Morningside College, F. E. Mossman, pres., sketches 2 and 3 story, rein.-con., brick, stone, Morningside Ave. $1,000,000.

N. D., Jamestown—HOSPITAL—Jamestown Lutheran Charity Assn., W. A. Keller, soon takes bids foundation for 4 story, basement, 42 x 120 ft., rein.-con., brick, steel hospital; superstructure in spring. Total $150,000. G. R. Horton, Jamestown, archt.

Mont., Great Falls — HOSPITAL — Deaconess Hospital, E. A. Ariss, supt., plans by McIver & Cohagen, Billings (1st unit) 39 x 130 ft., (2nd unit) 40 x 80 ft., both 4 story, basement, rein.-con., brick, 6th Ave. N. $325,000.

Mo., Kansas City — ORPHANAGE — O'Gules Orphans Home soon lets contract 3 story, basement, 80 x 239 ft. orphanage. $200,000. Keine & Simpson, 1005 Land Bank Bldg., archts.

Mo., St. Louis—CLINIC—Jewish Hospital, Forest Park Blvd., preliminary plans 5 story, basement, 60 x 156 ft., rein.-con., brick, stone, terra cotta, Forest Park east of Kingshighway. $200,000.

Mo., Springfield—CHURCH—First Presbyterian Church, plans by A. A. Honeywell, 413 Penn Way, Indianapolis, Ind., 2 story, basement, stone, steel church. $150,000. Noted Feb. 16.

Calif., Chico—COLLEGE—State Dept., Sacramento, plans by State Div. Architecture, Dpt. P. Wks., for State Teachers College, 2,000 seating capacity, brick. $200,000 or more.

Calif., Los Angeles—AUDITORIUM and CLASSROOM—Immaculate Heart College, 5515 Franklin St., plans by A. C. Martin, 228 Higgins Bldg., 2 or 3 story, steel, brick, auditorium, 1,000 seating capacity, Western Ave. and Los Feliz Rd. $200,000.

Calif., Los Angeles—HIGH SCHOOL—Los Angeles School Dist. plans by Architectural Board, Bd. Educ., for Audubon Junior High School, five 1 and 2 story buildings, incl. auditorium, shop, gymnasium, cafeteria, all brick, concrete. $350,000.

Calif., Los Angeles — HIGH SCHOOL — School Dist. sketches by C. L. Noerenberg, Railway Bldg., Luther Burbank Junior High School. $150,000.

Que., Montreal—SCHOOLS—Protestant Bd. School Comrs., two 4 story, 225 x 300 ft. schools, one for boys, other for girls, Terrebonne Ave. $350,000. Engineer and architect not selected.

Ont., Hamilton—TECHNICAL SCHOOL—Bd. Educ., R. H. Foster, secy., City Hall, plans by W. P. Witton, 7 Hughson St. S., 2 story addition to motor mechanics section, technical school, King St. E. $60,000.

Bids Desired

Me., Rockland—NURSES HOME—Knox Co. General Hospital, c/o Hutchins & French, archts., 11 Beacon St., Boston, Mass., taking bids 3 story, basement, brick, plain found. $150,000-$160,000. Noted Oct. 11.

Mass., Boston—SCHOOL—City, Schoolhouse Dpt., City Hall, taking bids on revised plans 3 story, basement, brick, granite, limestone, plain found., Kilmarnock and Peterborough Sts., Prince Dist. $160,000. G. E. Robinson, 80 Federal St., archt. Noted Apr. 26.

Mass., Brighton (sta. Boston)—HIGH SCHOOL—Nov. 15, by City of Boston, Schoolhouse Dpt., 3 story, basement, irregular sized, brick limestone, plain found., Nevins and Warren Sts., Bennett Dist. $1,539,000. O'Connell & Shaw, 134 Newbury St., Boston, archts.

R. I., Cranston (mail Providence) — SCHOOL—Nov. 15, at office L. A. Smith, clk., 2 story, brick, Gansett Ave. W. R. Walker & Son, 49 Weybosset St., Providence, archts. Noted Oct. 18.

R. I., Little Compton—SCHOOL—Town, Superintendent Schools, taking bids 2 story, basement, brick, stone, plain found. $150,000. E. M. Corbett, 70 Bedford St., Fall River, Mass., archt. Noted Aug. 31.

N. Y., New York—SCHOOL—Nov. 1, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 164 (Edward W. Stitt Junior High School), Edgecomb Rd. from West 164th to 165th Sts., for Bd. Educ., 500 Park Ave.

N. Y., Syracuse—SCHOOL—Nov. 5, by Bd. Contr. & Supply, City Hall, 2 story, basement, rein.-con., brick, steel, plain found., Jamesville Ave. $300,000. Randall & Vedder, S. A. & K. Bldg., archts. N. F. Pitts, Jr., city archt. Noted Mar. 1.

N. J., Bloomfield—TEMPLE and SCHOOL—See "Contracts Awarded."

N. J., Hackensack—SCHOOL—Oct. 29, by Bd. Educ., School 3, State St., 2 story, basement, 50 x 120 ft., and 50 x 100 ft. brick, steel additions to Grade School 4, plain found. $281,431. A. E. Dore, 173 Main St., Hackensack, archt. Noted Sept. 20.

N. J., Jersey City—PARISH HOUSE—Flagg & Stades, archts., 665 Newark Ave., bids about Nov. 1, general contract 3 story, basement, brick, steel, plain found., North St. and Summit Ave., for St. Johns Lutheran Church, J. Kirsh, pastor, 153 North St. $150,000.

N. J., North Arlington (mail Arlington)—SCHOOL—Oct. 29, by Bd. Educ., Lincoln School, Ridge Rd., general contract 2 story, basement, 50 x 148 ft., brick, steel, plain found. $150,000. J. S. Pigott, 28 Hill St., Newark, archt.

N. J., Weehawken—NURSES' HOME and TRAINING SCHOOL—P. A. Vivarttas, archt., 110 48th St., Union City, bids about Nov. 1, general contract 5 story, basement, rein.-con., brick, steel, plain found., Columbus Terrace, for North Hudson Hospital, Park Ave. and Columbus Terrace. $150,000. Noted July 12.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Ave., bids about Nov. 15, 2 story, basement, brick, steel, plain found., Northfield Rd. and Sheridan Ave. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted Sept. 6.

Pa., Easton—MINING ENGINEERING HALL—Oct. 30, by C. Z. Klauder, archt., 1429 Walnut St., Phila., 4 story, basement, 52 x 172 ft., rein.-con., brick, steel mining engineers hall, for LaFayette College, here.

Pa., Pittsburgh — SUNDAY SCHOOL — Oct. 26, by St. Marks Evangelical Lutheran Congregation, (Brookline), Pittsburgh, and O. M. Topp, archt., Stevenson Bldg., 2 story, basement, Brookline Blvd. $150,000.

Md., Frederick—CHURCH and SUNDAY SCHOOL—Oct. 29, by Calvary Methodist Episcopal Church, G. E. Williams, pastor, 1 story, basement, 83 x 256 ft., brick, steel, plain found. Bureau Architecture Methodist Episcopal Church, 1701 Arch St., Phila., Pa., archts.

D. C., Wash.—SCHOOL—Nov. 1, by District Comrs., District Bldg., Langdon School. Noted Oct. 4.

Ga., Atlanta—SCHOOLS—Nov. 22, by Atlanta School Bd., 13 schools, $700,000. G. L. Preacher & Co., Inc., Wynne-Claughton Bldg., archts. and engrs.

Ga., Savannah — SCHOOL — Nov. 9, by Educ. Chatham Co., 2 story, basement, 70 x 300 ft., brick, rein.-con., steel. $200,000. Wallin & Comer, Realty Bldg., archts.

Fla., Jacksonville—SUNDAY SCHOOL—Mark & Sheftall, archts., Clark Bldg., bids about Nov. 17, 3 story, basement, 116 x 160 ft., brick, steel, stone, Riverside St., for Riverside Park Methodist Church. $175,000.

La., Lafayette—SCHOOLS—Oct. 30, by Bd. Educ. Lafayette Parish, c/o Secretary, 2 story, brick, concrete, stucco at Milton; 2 story, brick, concrete at Scott; 2 story, brick, concrete at Ridge Judice; 1 story, timber, stucco at Duson. W. T. Nolan, Canal Bank Bldg., New Orleans, archt. Noted May 24.

Mich., Detroit—COLLEGE—Nov. 1, by U. Frundt, chn. Building Com., c/o Duns Scotus, Franciscan Fathers, St. Clements Monastery, Vine St., Cincinnati, O., 2 and 3 story, basement, 185 x 400 ft., rein.-con., brick, steel, plain found., Nine Mile Rd. $1,000,000. W. E. Anthony, 131 East 47th St., New York, archt.

Mich., Ypsilanti — LIBRARY — Nov. 2, by Michigan State Normal, C. Foster, chn., State Office Bldg., Lansing, 2 story, basement, 85 x 140 ft., concrete, brick, steel, plain found., College Grounds. $200,000. Bowd & Munson, Wilson Bldg., Lansing, archts. Noted Oct. 4.

Bids Received

Mass., Nantucket — HIGH SCHOOL — Little & Russell, archts., 20 Newbury St., Boston, 2 story, basement, rein.-con., stone, plain found., from McNally Constr. Co., 84 North Main St., Fall River, $212,000. Noted Sept. 27.

N. Y., Buffalo—SCHOOL—W. Haugaard, archt., 343 Bway., Albany, general contract State Normal School, Elmwood and Forest Aves., from C. Everett, 295 Auburn Ave. Total $1,597,000.

N. J., Hillside (br. Elizabeth)—SCHOOL—Bd. Educ., Central Grammar School, 143 Coe Ave., Oct. 16, general contract addition Hillside Ave. School, from Gilmore Bros., Inc., 679 Market St., Paterson, and from Becker Constr. Co., 361 Grove St., Newark, $159,000 each. Noted Oct. 4.

N. D., Minot—SCHOOL—Bd. Educ., J. C. Lund, secy., Oct. 9, general contract 3 story, basement, rein.-con., brick, bedford stone, from J. H. Mackley, Minot, $189,800. Noted Sept. 27.

Contracts Awarded

Conn., Bridgeport — COMMUNITY — St. Charles Roman Catholic Parish, J. J. McGivney, pastor, 2 story, basement, 65 x 128 ft., brick, steel, cast stone, to E. E. Bray, 62 Cannon St. Est. $150,000. Noted Oct. 11.

N. Y., Alfred—DORMITORIES—Alfred University, general contract additions, to L. C. Whitford, Wellsville, N. Y. Noted June 14.

N. Y., Brooklyn — LAW SCHOOL — St. Johns College of Law, Lewis Ave. and Hart St., 12 story, 86 x 100 ft., brick, steel, to J. Kennedy & Co., 1133 Bway., New York. Noted Oct. 4.

N. Y., Elmsford — SCHOOL — Bd. Educ., Dist. 9, Town of Greenburgh, general contract 2 story school, to C. A. Magotta, North Tarrytown, $241,842. Noted Sept. 27.

N. J., Bloomfield—TEMPLE and SCHOOL—Temple Bnai Zion, c/o A. G. Brach & S. Singer, archts., 60 Park Pl., Newark, 2 story, basement, brick, steel, plain found., 430 Franklin Ave., separate contracts. $150,000. Noted Sept. 6.

N. J., Jersey City—NORMAL SCHOOL—State Bd. Educ., State House, Trenton, general contract 2 story, basement, 90 x 114 ft., brick, steel, plain found., Hudson Blvd. and Culver Ave., to A. W. Crone & Son, Inc., 338 Palisade Ave., $439,854; heating, to R. G. Maupai Co., 73 South St., $43,790. Noted Sept. 20.

N. J., Mendham—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, plain found., to P. Morro, Mendham. Est. $150,000. Noted Sept. 20. Plumbing, to J. Attlin, 28 Speedwell Ave., Morristown, heating, to Schrenell Bros., 734 South 12th St., Newark.

Pa., Aliquippa — SCHOOL — Bd. Educ., general contract 2 story, basement, 100 x 120 ft. addition, to Hodder Constr. Co., Braddock. Est. $180,000.

Pa., Freedom—SCHOOL—Bd. Educ., general contract 2 story, basement, brick, steel school, to Kemena Lumber Co., Ambridge. Est. $150,000.

Pa., Natrona Heights (mail Natrona)—CHURCH — Calvary Lutheran Congregation, general contract 1 story, part basement, limestone church and Sunday school, to Powell Bros., Parnassus. Est. $150,000. Noted May 31.

Pa., Newlinsburg (mail Export)—HIGH SCHOOL—Bd. Educ. Franklin Twp., general contract 2 story, basement, brick, steel, to B. R. Fulmer Co., Greensburg. Est. $150,000.

Ga., Emory University—NURSES HOME—Wesley Memorial Hospital, c/o C. H. Candler, chn. building com., 3 story, basement, 40 x 170 ft., rein.-con., brick, to Griffen Constr. Co., 452 Spring St., Atlanta, $128,450; heating and plumbing, to Farrell Heating & Plumbing Co., 248 Ivy St. N. E., Atlanta, $33,900. Noted Sept. 20. Electrical wiring, to S. Donelson, 101 Marietta St., Atlanta, $3,464.

O., Forestville (mail Mt. Washington)—SCHOOL—Bd. Educ. Anderson Twp., Hamilton Co., 2 story, basement, rein.-con., brick, steel, plain found., to Howard Constr. Co., c/o Walker & Norwich, archts., Amer. Bldg., Dayton, $150,000. Noted Oct. 18.

O., Lorain—CHURCH and SCHOOL—St. Josephs Roman Catholic Church, C. Reichlin, pastor, 2 story, brick, steel, concrete, to L. A. Burgett Co., Lorain. Est. $200,000. Noted Sept. 20.

Mich., Pontiac—SCHOOL—R. Hazleton, secy. Bd. Educ., 2 story, basement, rein.-con., brick, steel, plain found., to C. S. Barry Co., 2631 Woodward Ave., Detroit, $164,835. Noted Sept. 13.

Ill., Chicago — NURSES HOME — City, general contract 5 story, basement, 95 x 100 ft. nurses home, to Van Sickle & Wertz Co., Oak Park. Est. $450,000. Noted Aug. 30.

Ill., Des Plaines — CHURCH and CHAPEL — First Congregational Church, A. Barwick, pastor, general contract 1 story, rein.-con., brick, stone, to A. Niemz, 879 North State St., Chicago. Est. $200,000. Noted June 28.

Ill., Oak Park—HIGH SCHOOL—Dominican College of Thomas Aquinas Division and Harlem Ave., River Forest, high school, Washington Blvd. and Scoville Ave., to F. A. C'Hare, 30 North La Salle St., Chicago, and 270 Madison Ave., New York. Est. $1,000,000.

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Buildings—Educational, Religious (Cont.)

Kan., Junction City — SCHOOLS — Bd. Educ., general contract Washington School 2 story, 85 x 135 ft., Franklin School 2 story, basement, 86 x 133 ft., Senior High School 3 story, basement, 157 x 173 ft., and remodeling Senior High School 2 story, basement, to Busboom Bros., Carthage, Mo., $218,535; plumbing and heating, to Foley Co., Topeka, $50,436. Noted Sept. 27.

Neb., Omaha—ART MEMORIAL—Society of Liberal Arts, S. H. Joslyn, pres., 3902 Davenport St., general contract 2 story, basement, 180 x 486 ft., rein.-con., steel, tile, marble, Dodge St., to Peter Kiewitz' Sons, 908 Omaha Natl. Bank Bldg.; heating and plumbing, to J. J. Harrington Co., 617 South 14th St. Est. $3,000,000. Noted July 5.

Tex., Amarillo—CHURCH—Ferrand & Fitch, archts., 6188 Delmar Blvd., St. Louis, Mo., and G. A. Carlander, assoc. archt., 1015 Fisk Medical & Professional Bldg., 4 story, basement, 140 x 204 ft., brick, stone, steel, rein.-con., to Windsor Constr. Co., Oliver-Eakles Bldg., for First Baptist Congregation, 9th and Polk Sts. Est. $400,000. Noted Sept. 27.

Calif., Berkeley — LIFE SCIENCE — Regents University of California, 5 story, rein.-con., to Dinwiddie Constr. Co., Crocker Bldg., San Francisco, for University of California. $1,186,395.

Calif., Redwood City—HIGH SCHOOL—Trustees Sequoia Union High School Dist., five 2 story, rein.-con., high schools to L. Diaguardi, 30 West Poplar Ave., San Mateo, $117,000. Noted Oct. 4.

Federal Government Work

Proposed Work

D. C., Wash.—MEDICAL and SURGICAL—Dpt. Interior bids in December, general contract medical and surgical building, St. Elizabeth Hospital. Noted Aug. 9.

Ind., Michigan City—DREDGING—U. S. Engineer Office, Chicago, Ill., rejected bids dredging in Michigan City Harbor. Noted Sept. 13.

Arizona—ROADS—Bureau Pub. Rds., Dpt. Agriculture, National Park Serv., San Francisco, Calif., bids during February and March, grading, surfacing North Park Entrance to Fuller Canyon, Route 4, Grand Canyon Natl. Park Hy. System, on north rim Grand Canyon Natl. Park.

California—ROAD—U. S. Bureau Pub. Rds., 461 Market St., San Francisco, grading 4.58 mi. Lassen Volcanic Natl. Park Hy., Route 1-C-4, Tehama Co. C. H. Sweetser, dist. engr.

Calif., San Diego—CRANE—Spec. 5713—Bureau Yards & Docks, Navy Dpt., Wash., D. C., rejected bids Oct. 3, electric bridge crane at Naval Operating Base. Noted Oct. 11.

Calif., San Francisco—DREDGING—U. S. Engineer Office, 1,700,000 cu.yd.

Canal Zone—RADIO MASTS—Spec. 5737—Bureau Yards & Docks, Navy Dpt., Wash., D. C., radio masts and tower at Naval Radio Stations at La Palam and Puerto Obaldia, Panama and Darien, C. Z.

Bids Desired

Mass., Bedford—ACUTE BUILDING, etc.—Nov. 27, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., acute building, officers duplex quarters, utilities building, incl. roads, walks, drainage at U. S. Veterans' Hospital.

R. I., Providence—MONUMENT—Nov. 8, at office Constructing Quartermaster, Camp Devens, Mass., completing granite monument with bronze tablets; adv. E. N.-R. Oct. 25.

N. Y., Brooklyn—COAL HOPPER—Nov. 7, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing coal hopper at Naval Hospital.

N. Y., New York—DREDGING—Nov. 20, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., 409,000 cu.yd. in Harlem River; adv. E. N.-R. Oct. 25.

Pa., Pittsburgh — LOCK — Nov. 19, by U. S. Engineer Office, constructing Lock 7, Allegheny River; adv. E. N.-R. Oct. 25.

D. C., Wash.—ASPHALT, etc.—Nov. 2, by A. L. Flint, genl. purch. officer Panama Canal, asphalt, pitch, coal tar, creosote oil, soda ash, lye, phosphate.

D. C., Wash.—NURSES QUARTERS—Nov. 2, by Constructing Quartermaster, at Walter Reed Hospital. Former bids rejected. Noted Oct. 18.

D. C., Wash.—BARGES—Nov. 15, by U. S. Engineer Office, 1068 Navy Bldg., 2 steel barges at U. S. Engineer's Wharf; adv. E. N.-R. Oct. 25.

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D. C., Wash. — SEAWALL FOUNDATION—Nov. 16, by U. S. Engineer Office, 1068 Navy Bldg., 33,500 tons riprap seawall foundation along Potomac and Anacostia Rivers; adv. E. N.-R. Oct. 25.

Va., Norfolk—GENERATOR—Spec. 5642—Nov. 7, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., engine driven generator, for Naval Hospital.

Va., Norfolk—WHARF—Nov. 17, by U. S. Engineer Office, timber wharf, granolithic walk at Jamestown Island; adv. E. N.-R. Oct. 25.

N. C., Wilmington—STEEL BARGES—Nov. 12, by U. S. Engineer Office, constructing, testing, delivering 2 steel barges; adv. E. N.-R. Oct. 25. Noted Aug. 16.

N. C., Winston-Salem—WATER PIPING—Oct. 26, by Treas. Dpt., at office Supervising Archt., Wash., D. C., at U. S. Post Office.

S. C., Charlestown—REFRIGERATING EQUIPMENT—Spec. 5735—Nov. 7, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., automatic refrigerating equipment, at U. S. Navy Yard.

Miss., Vicksburg — QUARTERBOATS — Nov. 9, by U. S. Engineer Office, P. O. Box 671, 3 wooden quarterboats; adv. E. N.-R. Oct. 25.

Ia., Newton—POST OFFICE—Nov. 22, by Treas. Dpt. at office Supervsing Archt., Wash., D. C., U. S. Post Office; adv. E. N.-R. Oct. 25.

Ia., Sioux City—CONDUIT, etc.—Nov. 1, by Treas. Dpt., at office Supervising Archt., Wash., D. C., conduit, wiring and lighting fixtures at U. S. Post Office and Court House.

South Dakota—DRAINS—Nov. 20, by Bureau Reclamation, Dpt. Interior, Newell, 23 mi. open drains, drainage structures, on Belle Fourche Project. P. W. Dent, acting comr.; adv. E. N.-R. Oct. 25.

Ark., Conway—POST OFFICE—Nov. 21, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office.

Calif., San Diego — REFRIGERATING CASES, etc.—Spec. 5747—Nov. 14, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerating display cases and machine, at Naval Operating Base (Supply Depot).

Bids Received

Mass., Camp Devons (br. Boston)—BARRACKS, etc.—Constructing Quartermaster, infantry barracks from J. E. Dyer Constr. Co., 80 Boylston St., Boston, $267,000. Bids for hospital only recalled. Noted Sept. 20.

D. C., Wash.—BRIDGE—Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., Oct. 9, constructing Boundary Channel Bridge, Arlington Memorial Bridge Project, from N. P. Severn Co., 222 West Adams St., Chicago, Ill., $381,000. Noted Oct. 4.

D. C., Wash. — EXTENSION — Treas. Dpt., at office Supervising Archt., Oct. 15, general contract extension Government Printing Office, from Rust Eng. Co., 311 Ross St., Pittsburgh, Pa., $823,700; mechanical equipment, from Virginia Eng. Co., Newport News, Va., $96,900. Noted Sept. 20.

D. C., Wash.—VENTILATING—D. Lynn, archt. of Capitol, Oct. 1, ventilating and air conditioning Senate Chamber, from Carrier Eng. Corp., 750 Frelinghuysen Ave., Newark, N. J., $120,000 (90 days). Noted Aug. 23.

Va., Elko — KITCHEN — Quartermaster Supply Officer, Wash., D. C., Oct. 1, kitchen adition at Superintendents Lodge, Glendale Natl. Cemetery, from R. W. Gregory, Norfolk, $2,145 (15 to 70 days). Noted Sept. 27.

Ala., Tuskegee — GRADING — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., Sept. 25, at U. S. Veterans' Bureau, from Birmingham Nurseries, Avenue F, Birmingham, $7,310 (30 to 90 days). Noted Sept. 13.

Kan., Newton—REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., Oct. 22, remodeling, enlarging U. S. Post Office, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $22,264. Noted Oct. 4.

N. M., Fort Stanton — RESERVOIR — Treas. Dpt., at office Supervising Archt., Wash., D. C., Oct. 16, at U. S. Marine Hospital, from R. Gilchrist, 610 Mills St., El Paso, Tex., $4,649. Noted Sept. 27.

Ariz., Nogales—PAVING—Treas. Dpt. at office Supervising Archt., Wash., D. C., Oct. 10, International St., from S. Hitchcock, Phoenix, $55,668, $60,187 and $4,500. Noted Sept. 27.

Wash., Walla Walla — INFIRMARY — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., Oct. 16, infirmary building, from W. D. Butler, 527 Central Bldg., Seattle, $227,300 (300 days). Noted Sept. 13.

Contracts Awarded

Conn., Bridgeport—DREDGING—U. S. Engineer Office, Providence, R. I., in Bridgeport Harbor, to J. S. Packard Dredging Co., 1004 Turk Head Building, Providence, R. I., $16,532. Noted Sept. 6.

N. Y., Niagara Falls—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling U. S. Custom House, to Devault & Deitrick, Canton, O., $58,400. Noted Oct. 4.

N. Y., Sunmount — PIPE TRENCH and STEAM LINES — U. S. Engineer Office, remodeling present pipe trench and steel lines, to M. W. Otis, Lake Clear Junction, $11,104.

D. C., Wash.—COOLING POND—Supply Div. Bureau Standards, rein.-con. cooling pond, to Rust Engr. Co., 1406 G St. N. W., $13,980. Noted Oct. 4.

Ga., Augusta—ROADS—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., roads and walks at U. S. Veteran's Hospital, to Claussen-Lawrence Constr. Co., 1394 Gwinnett St., Augusta, $10,800 (10-20 days). Noted Oct. 4.

Miss., Vicksburg—BARGES—U. S. Engineer Office, P.O. Box 404, 4 steel line barges, to Midland Barge Co., Midland, Pa., $19,200. Noted Sept. 13.

La., New Orleans—DREDGING—U. S. Engineer Office, Front and Burdette Sts., 2,200,000 cu.yd. in Shaw-Blackhawk Levee Dist. and Alford Levee, to Dameron & Kenyon, Inc., Port Allen, $18,000 and $71,300 respectively; Anes and Hope Levees, to Lower Constr. Co., Godchaux Bldg., $30,799 and $58,056 respectively; Evans Point Levee, to Howard Kenyon Dredging Co., 3605 McKinley St., Houston, Tex., $23,650; Tin Barn Levee, to O. O. Ogden, Baton Rouge, $4,192; Neita Levee, to J. A. Lindstrom, Port Arthur, Tex., $7,500; Elba and Richard Levees, to Grasser Constr. Co., Maritime Bldg., $10,800 and $26,100 respectively, all above in New Orleans River Dist. Grand total $250,997. Noted Sept. 13.

O., Wooster — EXTENSION and REMODELING—U. S. Engineer Office, extending and remodeling U. S. Post Office, to S. Plato, 608 West Walnut St., Louisville, Ky., $67,450. Noted Oct. 4.

Ill., Great Lakes — PARAPET WALL — Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing cornice and parapet wall at Naval Training Station, to C. E. Garson Co., 601 St. Clair St., Chicago, $6,871. Noted Aug. 30.

Texas — DREDGING — U. S. Engineer Office, Galveston, in Houston Ship Channel, to Atlantic, Gulf & Pacific Co., 13 Park Row, New York, $161,425. Noted Aug. 31.

Wash., Olympia—REMODELING—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, to H. Boyer Son & Co., 510 Miller Bldg., Yakima, $21,825. Noted Oct. 4.

Ore., Astoria—FILL—Spec. 5717—Bureau Yards & Docks, Navy Dpt., Wash., D. C., filling slough to eliminate bridges, to Brookfield Quarry & Towage Co., Astoria, $1,498.

Calif., Crescent City—BREAKWATER—U. S. Engineer Office, Custom House, San Francisco, repairing and extending stone breakwater, Crescent City Harbor, to Kern & Kibbs, Portland, Ore., $500,000. Noted Sept. 13.

Calif., Livermore—DEEP WELL—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., drilling, developing, testing deep well, at U. S. Veterans' Hospital, to Duer Bros., 496 North 5th St., San Jose, $5,000.

Calif., Palo Alto — WELL — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., drilling, developing, testing deep well, to Robert Garcia Well Drilling Co., P. O. Box 611, Palo Alto, $4,628.

Cuba, Guantanamo Bay — GENERATORS—Spec. 5699—Bureau Yards & Docks, Navy Dpt., D. C., oil engine generators, at Naval Air Station, to Worthington Pump & Mchy. Corp., 426 Homer Bldg., Wash., D. C., $67,810. Noted Sept. 20.

Unclassified

Proposed Work

STORAGE TANKS, etc. — **Chelsea** (br. Boston), **Mass.**—Texas Co., 31 St. James St., Boston, sketches storage tanks, 97-139 Marginal St., $25,000, 1 story, brick and concrete pump house, 113 Marginal St. $7,000. Private plans.

PURIFICATION and CHLORINATING PLANT—**Newburyport, Mass.**—City, E. W. Eaton, chn. Bd. Health, City Hall, 1 story, brick, purification and chlorinating plant to purify clams, Merrimac River. H. A. Symonds, 70 State St., Boston, engr.

DOCKS, BULKHEADS, etc.—**Weymouth, Mass.**—Standard Oil Co. of New York, 26 Bway., New York, soon takes bids docks, bulkheads and filling station. $200,000. Private plans.

Unclassified (Continued)

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, rejected bids Oct. 9, constructing Sect. 5-A, Route 109, Rapid Transit R.R. Noted Oct. 18.

GRADE CROSSING ELIMINATION — **Bowmanville, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating Genesee Street Crossing 1 mi. west of here. $274,000.

GRADE CROSSING ELIMINATION — **Evans Mills, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating Kennies Crossing. $135,000.

GRADE CROSSING ELIMINATION — **Johnsonville, N. Y.** — Boston & Maine R.R. Co., Boston, Mass., W. J. Backes ch. engr. eliminating grade crossing. $118,000.

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Queens Blvd. Subway, Route 108, Sect. 1.

GRADE CROSSING ELIMINATION — **Sangerfield, N. Y.**—Delaware, Lackawanna & Western R.R. Co., 90 West St., New York, G. J. Ray, ch. engr., Hoboken, N. J., eliminating Cherry Valley Turnpike grade crossing, south of here. $113,000.

GRADE CROSSING ELIMINATION — **Tully, N. Y.** — Delaware, Lackawanna & Western R.R., 90 West St., New York, G. J. Ray, ch. engr., eliminating grade crossing by constructing 436 ft. overhead structure, near here. $140,000.

CONDUIT—**Plainfield, N. J.**—Bd. Freeholders Union Co., Court House, conduit over Green Brook. $35,000. J. L. Bauer, Court House, Elizabeth, co. engr.

ELECTRIC TRAFFIC SIGNAL, etc.—**Pittsburgh, Pa.**—C. H. Kline, mayor, and Dpt. P. Safety, electric traffic signal equipment, special signs, for Bureau Traffic Planning. $75,000.

STADIUM — **Wash., D. C.** — District Comrs., District Bldg., stadium, 7,000 seating capacity, at McKinley High School.

GAS DISTRIBUTING SYSTEM—**Leaksville, N. C.**—Atlantic Gas Co., N. H. Gellert, vice-pres. and genl. mgr., Lexington, granted franchise laying mains in Leaksville and Reidsville.

HANGAR—**Miami, Fla.**—City, c/o Aviation Dept., soon takes bids hangar, Municipal Field. E. Stuhrman, Seybold Bldg., engr.

HANGARS — **Ohio** — Goodyear Zeppelin Corp., K. Arnstein, vice-pres., Akron, O., two 1 story, 185 x 305 x 1,200 ft., brick, steel hangars. $1,000,000. Wilbur, Watson & Associates, 4614 Prospect Ave., Cleveland, engrs. and archts. Site not selected.

SWIMMING POOL—**Alliance, O.**—Park and Playground Comn. bids in spring converting lake at Selner Park into new concrete swimming pool. $30,000-$35,000 bond issue in fall for same.

AIRPLANE HANGAR—**Cleveland, O.**—U. S. Air Line Corp., c/o H. Pennington, Williamson Bldg., plans by Austin Co., engrs. and archts., 16112 Euclid Ave., 1 story, 100 x 120 ft., brick, steel on air port grounds. Noted Aug. 9.

GAS MAINS — **Winona, Minn.** — See "Sewers."

OIL PIPE LINE—**Texas**—W. A. Meser, Oakdale, representative Chicago Syndicate, preliminary plans oil pipe line from Sunbright oil fields to supply natural gas to Oakdale, Harriman and Rockford. $150,000. Private plans.

TRANSMISSION LINE — **Texas** — West Texas Utilities Co., Abilene, 14 mi. transmission line between Shamrock and Quail. $45,000. Private plans.

LAND DEVELOPMENT—**Raymondville, Tex.**—W. A. Harding, developing 22,000 acres near here, incl. clearing, grubbing, building roads. $1,000,000. Private plans.

LAND DEVELOPMENT — **Sanderson, Tex.**—V. A. Brown, Rock Springs, purchased 2,650 acre site, plans laying 4½ mi. 4 in. c.i. water pipe line, several miles fencing.

AIRPORT BUILDINGS—**Culver City, Calif.**—J. Kruetzer, 1801 South Hope St., Los Angeles, hangars, barracks, shops, factory and administration buildings. Austin Co. of California, 777 Washington St., Los Angeles, engrs. $300,000.

ORNAMENTAL LIGHTING SYSTEM—**Los Angeles, Calif.**—Ornamental lighting system on Woods St. in Golden Gate Square. $26,999. G. W. Jones, city engr.

MUNICIPAL SWIMMING POOL—**Modesto, Calif.**—City plans municipal swimming pool, $26,000. F. J. Rossi, city engr.

AIRPORT — **Sacramento, Calif.** — City Council appropriated $25,000, improving Del Paso Airport. S. Hart, city engr. Noted Apr. 5.

AIR PORT and BREAKWATERS—**Maisonneuve, Que.**—Harbor Comrs., Montreal, air port, two 300 ft. breakwaters into St. Lawrence River for mooring machines, 2 floating platforms. $200,000.

FLYING FIELD—**Montreal, Que.**—See "Buildings-Industrial."

MARINE RAILWAY and REPAIR SHOPS—**Orillia, Ont.**—Ditchburn Boats Ltd., marine railway and plant for storing and repairing launches. $30,000.

POWER LINES—**Wiarton, Ont.**—W. B. Foshay Co., Walkerton, purchased Sauble Falls Electric Light & Power Co. and plans to increase output 1,000 hp., build power lines to Hepworth, Oxenden and rural lines. $250,000. A. Emerson, c/o Owner, engr.

Bids Desired

ELEVATORS, etc.—**Albany, N. Y.**—Nov. 21, by A. E. Smith, governor and chn. State Building & Sites Comn., Capitol, elevators, heating, sanitary and electrical work, vaults, State Office Building; adv. E. N.-R. Oct. 25.

TUNNELS—**Albany, N. Y.**—Nov. 2, by A. E. Smith, governor and chn. State Office & Building Sites Comn., Executive Office, Capitol, Albany, tunnels between Capitol and State Office Buildings.

ELECTRICAL WORK — **West Haverstraw, N. Y.**—Nov. 15, by Superintendent Div. Standards & Purchase, Executive Dpt., Capitol, Albany, electrical work, service connections for new buildings at New York State Orthopedic Hospital for Children; adv. E. N.-R. Oct. 25.

WHITE WAY LIGHTING SYSTEM—**Mobile, Ala.**—Oct. 30, by City, whiteway lighting venture 1, incl. projects 1 to 15. A. A. Coffin, electrical engr.

ELECTRIC DISTRIBUTION SYSTEM—**St. Charles, Minn.**—Nov. 1, by S. F. Clarkson, city clk., electric distribution system, White Way on Main St. $25,000 bonds voted. Pillsbury Eng. Co., 2344 Nicollet Ave., Minneapolis, engrs.

GENERATORS—**Winnipeg, Man.**—Nov. 19, by Chairman Com. P. Utilities, two 10,000 kva. generators, two 450 kva. generators complete with accessories, spare parts at Slave Falls.

SLUICE GATES—**Winnipeg, Man.**—Nov. 5, by Chairman Com. P. Utilities, 4 sluice gates, 5 spillway gates, stoplogs, at Slave Falls.

Bids Received

BATH HOUSE—**Babylon, N. Y.**—Long Island State Park Comn., Belmont Lake State Park, Oct. 20, bath house, supporting buildings at Jones Beach State Park, Nassau Co., from R. A. Lewis, 187 New York Ave., Huntington, $196,749. Noted Sept. 13.

FLOOR SUPPORTS—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Oct. 19, additional supports for floors in shops, Coney Island Yard, Rapid Transit R.R., from T. R. Coffey Co., 320 Broadway, New York, $32,223. Noted Oct. 11.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Oct. 19, station finish for 50th, 59th-Columbus Circle and 72nd St. Stations of Rapid Transit R.R., from Charles Meads & Co., 217 West 14th St., $444,060. Noted Oct. 11.

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Oct. 16, Sect. 4, Route 106 Rapid Transit R.R. along and under Grand Blvd. and Concourse, from Slattery Daino Contg. Co., Bway. and 176th St., $5,232,000. Noted Oct. 4.

BOILERS, STOKERS, etc.—**Milwaukee, Wis.**—Dpt. P. Wks., R. E. Stoelting, comr., Oct. 15, resetting boilers, mechanical stokers, soot blowers in North Point Pumping Station, from Downey Heating Co., 256 11th St., $62,496. Noted Oct. 11.

Calif., Los Angeles—Ornamental lighting system on Santa Monica Blvd., C.I. 624, from J. R. Davies, 2131 Santee St., $31,444.

STEEL ROLLING DOORS—**San Francisco, Calif.**—M. H. Gates, secy. State Harbor Comn., Ferry Bldg., 115 or more steel rolling doors for Pier 45, from J. G. Wilson Corp., 74 New Montgomery St., $55,912. Noted Sept. 27.

Contracts Awarded

OFFAL RECEIVING PLATFORM — **Cambridge** (br. Boston) **Mass.**—City, J. J. Terry, supt. P. Buildings, City Hall, concrete, timber offal receiving platform, to J. M. Dolan, 263 Bway., Boston, $36,355. Est. $60,000. Noted Oct. 4.

ATHLETIC FIELD—**Woburn, Mass.**—City, J. McDermott, engr., City Hall, athletic field on High School Grounds, to J. E. Gray, Inc., 85 Reservoir St., Cambridge. Est. $30,000.

BORINGS — **New Jersey** — State Hy. Comn., Trenton, test borings on Route 1 extension, Hudson Co., to J. W. Edwards, 1 Exchange Pl., Jersey City, $9,105. Noted Sept. 27.

AIRPORT—**Sharon, Pa.**—Municipal airport, grounds, hangars, to Austin Co., 16112 Euclid Ave., Cleveland, O.

WHARF EXTENSION—**Gretna, La.**—S. Young, engr., New Court House, New Orleans, 100 ft. wharf, 24 ft. wide with 20 x 70 ft. approaches in front Davidson-Pick Fertilizer Inc., property, to H. N. Moody, 815 Perdido St., New Orleans, for Bd. Port Comrs., New Orleans, $22,280.

SAND and GRAVEL PLANT—**Indianapolis, Ind.**—Spickelmier Supply Co., 1200 East 30th St., general contract sand and gravel storage plant, consisting 6 rein.-con. bins, 20 ft. diam., 80 ft. high, 52nd St. and Monon Ry., to Gifford Wood Constr. Co., 565 Washington Blvd., Chicago, Ill. Est. $60,000.

RETAINING WALL — **Detroit, Mich.** — Dpt. Parks & Blvds., Marquette Bldg., 1,200 ft. concrete retaining wall, Burns Ave. and River, to Candler Dock & Dredge Co., 8145 Medina Ave., $65,133.

AIRPLANE HANGAR—**Pontiac, Mich.**—City, 1 story, 100 x 100 ft., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $40,000.

AIRPLANE HANGAR — **Chicago, Ill.** — National Air Transport, 5936 Cicero Ave., masonry and carpentry contract 1 story, 120 x 158 ft., brick, 5936 South Cicero Ave., to E. W. Sproul, 310 South Michigan Ave. Est. $45,000.

TERMINAL WORK — **Dubuque, Ia.** — Dock Comrs., J. Kerper, secy., piling, curbing, road and sand fill, for terminal protective work, to Anton Zoack, Inc., Dubuque, $24,470.

CULVERTS—**Marion, Kan.**—Marion Co., rein.-con. culverts on roads, to R. K. Walters Constr. Co., Marion, $27,695.

ELECTRIC GENERATOR — **Conway, Ark.**—City, 625 hp. oil engine and electric generator for light and power plant, to Fulton Iron Wks. Co., 1259 Delaware Ave., St. Louis, Mo., $39,114. Est. $46,500.

LIGHTING SYSTEM—**Seattle, Wash.**—Bd. P. Wks., street lights on 1st Ave. S., to C. B. Campbell, 518 Seneca St., $78,203.

STREET LIGHTING SYSTEM—**Seattle, Wash.**—Bd. P. Wks., street lighting system on California Ave., to H. C. Moss, Melhorn Bldg., $189,773; 1st Ave. S., to C. B. Campbell, 518 Seneca St., $83,413.

ORNAMENTAL LIGHTING SYSTEM — **Torrance, Calif.**—Ornamental lighting system in various sections of city to Pacific Engineering & Constr. Co., Chamber Commerce Bldg., Los Angeles, $121,600. Noted June 14.

Materials

Bids Desired

POST HYDRANTS—**Boston, Mass.**—Oct. 26, by Dpt. P. Wks., 50 post hydrants for Water Dpt. $5,000. J. H. Sullivan, comr.

CEMENT, etc.—**New York, N. Y.**—Oct. 31, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 5,000 bags portland cement; 2,500 cu.yd. concrete and paving sand; spruce lumber; 40,000 gal. tar for patching (hot application).

STEEL RAILS—**New York, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., in market 190,000 tons steel rails.

GRAVEL—**Louisiana**—Oct. 30, by State Hy. Comn., Baton Rouge, supplying gravel to Maintenance Dpt. during November, 1928.

LUMBER—**Atlantic, Ia.**—Nov. 1, at office Auditor Cass Co., 360,460 ft. untreated fir lumber; 19,800 ft. creosoted Southern yellow line, 12,700 lin.ft. creosoted long leaf pine piling. G. F. Canon, Atlantic, co. engr.

Bids Received

ASPHALTIC OIL — **New Jersey** — State Hy. Comn., Trenton, Oct. 22, 22,600 gal. asphaltic oil, from Warner-Quinlan Co., 2 Park Ave., New York, N. Y., $2,950. Noted Oct. 18.

SEWER MANHOLE HEADS, etc. — **Jersey City, N. J.** — Bd. City Comrs., City Comrs., City Hall, 50 tons sewer manhole heads, covers, from Campbell Fdry. Co., 313 Manor Ave., Newark, $0.0324 per lb.

CREOSOTED TIES—**Phila., Pa.**—Dpt. City Transit, C. E. Myers, dir., City Hall, Oct. 10, 468,200 ft. creosoted ties(southern long leaf yellow pine timber), for Broad Street Subway, Contr. 210, from Jennison-Wright Co., 2463 Bway., Toledo, O., $48,100. Noted Oct. 4.

See Proposal advertising on page 125

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UNIT PRICES

Grade Elimination—Cleveland, O.

Department of Public Service, W. S. Ferguson, director, opened bids Aug. 22 grade elimination on West 117th Street and New York Central Railroad. Lowest two and highest bidders are: (A) Great Lakes Construction Co., 1808 Harvard Ave., (awarded contract); (B) W. P. Gibbons Contg. Co., 914 Schofield Bldg.; (C) W. E. McHugh Co., 3855 West 44th St. Robert Hoffman, chief engineer.

	A			B			C		
Excavation	Material	Labor	Combined	Material	Labor	Combined	Material	Labor	Combined
1A 78,000 cu.yd. Class "A"	$0.12	$0.70	$0.82	.....	$0.90	$0.90	.....	$1.00	$1.00
1B 4,600 cu.yd. Class "B"	.20	1.80	2.10	.....	2.00	2.00	$0.25	1.75	2.00
1C 900 cu.yd. Class "C"	.20	1.60	1.80	.....	2.00	2.00	.25	1.75	2.00
1D 2,350 cu.yd. Class "D"	.20	1.65	1.85	.....	2.00	2.00	3.00	2.00	5.00
1E 14,550 cu.yd. Class "E"	.35	1.00	1.35	.....	1.45	1.45	.25	2.75	3.00
1F 3,550 cu.yd. Class "F"	.30	1.80	2.10	.....	2.00	2.00	.25	3.75	4.00
1G 900 cu.yd. Class "G"	.35	1.90	2.25	.....	3.00	3.00	.25	3.00	3.25
1H 7,450 cu.yd. Class "H"	.60	2.50	3.10	.....	4.70	4.70	4.00	.800	12.00
2A 215 cu.yd. concrete	9.00	4.75	13.75	6.60	6.00	12.60	20.00	8.00	28.00
2B 615 cu.yd. concrete	9.00	4.25	13.25	9.00	8.40	17.40	20.00	8.00	28.00
2C 550 cu.yd. concrete	9.00	4.25	13.25	7.80	6.00	13.80	20.00	8.00	28.00
D 830 cu.yd. heating concrete	.75	.75	1.50	.50	.50	1.00	1.00	1.00	2.00
3 1,060 lin.ft. 5 ft. 6 in. x 6 ft. 6 in. sewer	16.35	8.00	24.35	10.00	9.72	19.72	20.00	10.00	30.00
4 600 lin.ft. 5 ft. cir. brick sewer	15.00	10.00	25.00	7.50	6.00	13.50	15.00	7.00	22.00
5A 630 lin.ft. 30 in. vit. pipe sewer	5.40	2.00	7.40	4.00	1.50	5.50	4.00	3.00	7.00
5B 630 lin.ft. 30 in. conc. pipe sewer	4.00	2.25	6.25	3.50	1.50	5.00	3.00	3.00	6.00
5C 630 lin.ft. 30 in. seg. block sewer	5.00	3.00	8.00	3.00	3.00	6.00	4.00	3.50	7.50
6 1,280 lin.ft. 18 in. vit. pipe sewer	2.00	2.50	4.50	2.00	1.00	3.00	1.00	1.00	3.00
7 Junction chamber	475.00	300.00	775.00	400.00	300.00	700.00	1,500.00	,500.00	3,000.00
8 250 lin.ft. manholes	9.00	7.00	16.00	5.00	5.00	10.00	8.00	7.00	15.00
9 280 sq.yd. pavement replaced	2.00	1.50	3.50	3.00	1.50	4.50	3.00	2.00	5.00
10 260 sq.ft. sidewalk relaid	.10	.10	.20	.15	.10	.25	.14	.14	.28
11 59,000 lb. steel reinforcement	.03	.01	.04	.03	.02	.05	.03	.03	.06
12 1,800 cu.ft. brickwork	.90	2.00	2.90	.60	1.00	1.60	1.25	.75	2.00
13 4,400 sq.ft. waterproofing	.06	.04	.10	.05	.05	.10	.15	.15	.30
14 400 lin.ft. 4 in. drains	.20	.15	.35	.15	.10	.25	.15	.15	.30
15 410 lin.ft. 6 in. drains	.35	.15	.50	.15	.15	.30	.20	.30	.50
16 420 lin.ft. fence	1.25	.75	2.00	1.40	.50	1.90	1.00	.50	1.50
17 800 lin.ft. pipe hand railing	3.00	1.00	4.00	3.00	.50	3.50	1.00	.50	1.50
18 Altering fire escape	50.00	50.00	100.00	100.00	100.00	200.00	200.00	200.00	400.00
19 170 cu.yd. cinders in place	1.50	.50	2.00	2.00	1.00	3.00	1.25	.75	2.00
20 3,300 bbl. cement	2.75	.25	3.00	2.80	.20	3.00	2.25	.25	2.50
21 125 tons bell and spigot pipe	50.00	25.00	75.00	50.00	19.00	69.00	45.00	45.00	95.00
22 8 tons special and misc. castings	130.00	20.00	150.00	125.00	24.00	149.00	100.00	100.00	200.00
23 2 4 in. valves	20.00	5.00	25.00	19.00	5.00	24.00	25.00	15.00	40.00
24 9 6 in. valves	45.00	5.00	50.00	29.00	5.00	34.00	35.00	20.00	55.00
25 7 12 in. valves	75.00	10.00	85.00	85.00	9.00	94.00	75.00	75.00	150.00
26 8 6 in. hydrants	125.00	25.00	150.00	114.00	20.00	134.00	80.00	60.00	140.00
27 2,000 tons temporary slag roadways	3.00	.50	3.50	2.50	.50	3.00	2.25	.75	3.00
28 200 cu.yd. temporary sidewalks	1.50	.75	2.25	2.00	1.00	3.00	1.00	1.00	2.00
29 600 lin.ft. 8 in. curb connections	.75	1.50	2.25	.50	2.50	3.00	.80	1.00	1.80
30 Engineer's office (fixed sum)	700.00	500.00	1,200.00	.....	.....	1,200.00	.....	.....	1,200.00
Totals with 5A + 2B		$241,590*			$246,208			$378,203	
Totals with 5B + 2B		240,865			245,893			377,573	
Totals with 5C + 2B		241,968			246,523			378,518	
Totals with 5A + 2C + 12		245,948			245,977			379,983	
Totals with 5B + 2C + 12		245,224			245,662			379,353	
Totals with 5C + 2C + 12		246,326			246,292			380,293	
Days to complete		225			150			250	

*Awarded contract

Engineering News-Record, Issue of October 25, 1928.

Paving—Los Angeles, Calif.

Commissioners of Los Angeles Co., Courthouse, opened bids June 25, paving 13,021 ft. Pine Ave. et al, C. I. 584. Lowest three and highest bidders are (A) V. Kovacevich, 1553 Loma Ave., Long Beach, (awarded contract); (B) G. H. Oswald; (C) C. Raasch; (D) A. O. Nelson. J. W. Jones, engineer.

	A	B	C	D
9,330 cu.yd. excav.	$0.40	$0.45	$0.40	$0.35
24,507 lin.ft. 6 x 9 x 15 in. curb	.43	.40	.44	.48
98,284 sq.ft. walk	.14½	.135	.155	.168
46,884 sq.ft. 6 in. gutter	.185	.19	.195	.208
7,373 sq.ft. 8 in. gutter	.23	.25	.245	.26
261,149 sq.ft. 4 in. D.R. with oil and rock	.07	.075	.065	.08½
Totals	$57,416	$57,607	$57,672	$66,0>9

Engineering News-Record, Issue of October 25, 1928.

Road—Lyons, Kan.

Commissioners of Rice Co. opened bids July 6, grading and culverts on 5.012 mi. Federal Aid Project 331 B, 30 ft. wide. Bids of engineer, lowest two and highest bidders are given below. (A) Engineer's Estimate; (B) E. W. Kolterman, Omaha, Neb., (awarded contract); (C) Maney Bros., Oklahoma City; (D) Campbell & Lachenmaier. A. Ainsworth, engineer.

	A	B	C	D
41,779 cu.yd. earth excav.	$0.30	$0.21	$0.21	$0.24
59,427 cu.yd. earth borrow	.30	.21	.21	.26
228.4 cu.yd. Class "A" con.	17.90	18.00	18.00	18.50
5.4 cu.yd. Class "E" con.	36.65	30.00	40.00	30.00
21,230 lb. reinf. steel in place	.05½	.05	.05	.05
40 lin.ft. 15 in. rein.-con. pipe	2.55	2.25	2.75	2.50
160 lin.ft. 18 in. rein. con. pipe	3.05	2.50	3.00	2.75
80 lin.ft. 24 in. rein. con. pipe	4.55	3.30	4.00	4.50
Totals	$38,484	$29,049	$29,294	$272,284

Engineering News-Record, Issue of October 25, 1928.

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Roads, airports, street lighting systems, Chicago, Ill., election Nov. 6, $26,500,000.

City and county building, Detroit, Mich., Wayne Co., election Nov. 6, $20,000,000.

Roads, Ohio, election in November, $9,300,000.

Oil pipe line, etc., Texas, Boxana Petroleum Co., San Antonio, surveys, $8,400,000.

Hotel, Cleveland, O., Cleveland Hotel Co., $4,000,000.

Hydro-electric plant, L'Anse, Mich., Wisconsin, Michigan Power Co., subsidiary North American Edison Co., New York, $3,000,000.

Hotel, Louisville, Ky., A. E. Block & Co., $2,400,000.

Schools, Brooklyn, N. Y., Bd. Educ., New York, $2,035,000.

Hotel, Reading, Pa., R. H. Meyer, Birmingham, Ala., $2,000,000.

Roads, Gainesville, Tex., Cooke Co., election Nov. 17, $2,000,000.

Excavation, Brownwood, Tex., Brown Co., election Dec. 4, $2,000,000.

Hotel, Atlantic City, N. J., owner c/o L. I. Brooks, archt., New York, sketches, $2,000,000.

Schools, St. Joseph, Mo., voted $2,000,000.

Roads, Joliet, Ill., Will Co., election Nov. 6, $1,750,000.

Office, Richmond, Va., Central Natl. Bank, $1,500,000.

Printing plant, Los Angeles, Calif., Los Angeles Printing Building, Inc., sketches, $1,500,000.

Roads, Roby, Tex., Fisher Co., defeated, $1,400,000.

Store, bank and office, New York, N. Y., R. Weinberg, $1,250,000.

Apartment St. Louis, Mo., Sovereign Building & Investment Co., sketches, $1,250,000.

Road improvements, Zapata, Tex., Zapata Co., preliminary, surveys, $1,000,000.

Armory, Jamaica, N. Y., Armory Bd., New York, $1,000,000.

Apartment, New York, N. Y., Malex Realty Corp., $1,000,000.

Bids Desired

High school, Trenton, N. J., Bd. Educ., bids about Feb. 1, $3,000,000.

Docks and terminal, Prescott, Ont., S. E. O'Brien, secy., Dpt. P. Wks., Ottawa, takes bids about Dec. 1, $2,500,000.

Bank and office, Minneapolis, Minn., Graham, Anderson, Probst & White, archts., takes bids about Nov. 7, for owners, $2,000,000.

Vocational school, St. Louis, Mo., Bd. Educ., takes bids about Feb. 1, $1,500,000.

Waterworks, Waco, Tex., Nov. 22, by City Water Bd., $1,500,000.

Bank and office, San Antonio, Tex., Alamo Nat'l Bank, bids after Jan. 1, $1,250,000.

Rest home, San Francisco, Calif., H. H. Gutterson, archt., taking bids for owners, $1,000,000.

Bids Received

Subway, Brooklyn, N. Y., Bd. Transportation, New York, Route 109, Sect. 6, from Rodgers & Haggerty, Inc., New York, $2,676,000.

Public Bond Elections, coming and decided, are listed on Construction News page 237a.

Contracts Awarded

Irrigation, Greece, Greek Government, Athens, to Ulen & Co., and John Marks & Sons., both New York, $30,000,000.

Subway, Long Island City, N. Y., Bd. Transportation, New York, Sect. 2, Route 108, to J. F. Cogan Co., New York, $8,244,217.

Hotel, New York, N. Y., Harby, Abrons & Melius, separate contracts, $5,000,000.

Court house and city hall, Denver, Colo., Manager Improvement & Parks City & Denver Co., to Varnum & Bate, $4,242,871.

Apartment, New York, N. Y., Central Park Properties, Inc., to A. E. Lefcourt, est., $4,000,000.

Office, store and lofts, New York, N. Y., Five Hundred Thirty 7th Ave. Corp., to Shroder & Koppel, est., $2,500,000.

Dredging and rock removal, New York, N. Y., U. S. Engineer Office, to Arundel Corp., Brooklyn and others totaling, $1,725,717.

Temple, Kansas City, Mo., Keene & Simpson, archts., to Swenson Constr. Co., for owners, est., $1,500,000.

Apartment, New York, N. Y., One Forty Nine East 47th St., to G. Richard Davis & Co., est., $1,500,000.

Apartment, New York, N. Y., Corporation c/o W. Gullman, to Bing & Bing, est., $1,200,000.

Apartment, New York, N. Y., P. W. Investment Co., to E. A. Levy Constr. Co., est., $1,000,000

Refractory plant, Augusta, Ga., Babcock & Wilcox Co., New York, separate contracts, ultimate cost, $1,000,000.

Theatre, Sioux Falls, S. D., Eighth Street & Phillips Ave., Building Corp., to Reliable Constr. & Invest. Co., Chicago, Ill., est., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. Y., Oswego — Enlarging pumping facilities of waterworks, using electrical pumps. $200,000. Hazen & Whipple, 25 West 43rd St., New York, consult. engrs.

N. J., Little Ferry—Bd. Boro Council preliminary plans extending mains through Redneck Ave. from deadend at Roosevelt St. to boro line. $15,000. McClave & McClave, 60 Gorge Rd., Cliffside, boro engrs.

La., Mer Rouge—Preliminary plans 20,000 ft. mains, 50,000 gal. tank on tower.

Tenn., Bruceton — Preliminary surveys new waterworks. $25,000. J. M. Richards, 420 Bennie Dillon Bldg., Nashville, engr.

Neb., Steele City—Waterworks. To exceed $15,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Mo., Moberly — Burns & McDonnell, engrs., 401 Interstate Bldg., Kansas City, submitted report improving waterworks, for City. To exceed $15,000.

Ark., Glenwood — Preliminary plans waterworks, pumping equipment, reservoir, tank on tower, distribution mains.

Ark., Hughes—Preliminary plans distribution system, deep wells, pumping equipment, tank on tower, sanitary sewers, disposal plant.

Tex., Austin—City, c/o A. R. Johnson, mgr., 24 in. main water extension from city plant across Colorado River into South Austin. $105,000. O. E. Metcalfe, city engr.

Okla., Norman—Preliminary plans 500,000 gal. tank, tower. $15,000.

Okla., Oklahoma City—Preliminary plans mains in Nichols Addition. To exceed $25,000. Private plans.

Wash., Tacoma—City Council replacing 7,060 ft. 12 in. with 32 in. steel pipe in East 11th St. between Puyallup River and Taylor Way. $104,080.

Calif., Chico — California Water Serv. Corp., drilling 3 wells, installing pumping plant to supply 1,000 g.p.m. for waterworks. $15,000. Private plans.

Bids Desired

N. Y., New York—Nov. 2, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Peters Pl., Boston Rd., Coddington, Decatur, Fish, Hobart, Hone, Jerome, Johnson, Turneur and Watson Aves., McDonald, Truxton, and East 174th Sts.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Pa., Phila.—Nov. 7, by Dpt. P. Wks., Bureau of Water, A. Murdock, dir., 35,510 ft. 60, 72, and 93 in. steel pipe, 125,000 cu.yd. earth and 31,000 cu.yd. rock excav., for Torresdale Distribution System, Contr., 928; 1,600 cu.yd. earth and 3,700 cu.yd. rock excav., 450 tons 20 in. and smaller c.i. pipe in Mt. Pleasant St., Mt. Airy and Boyer Aves., Contr. 948, 500 low pressure fire hydrants, Contr. 949.

Mich., Detroit—Nov. 14, by Bd. Water Comrs., electric motor driven centrifugal pump 14, at Water Works Park. G. H. Fenkell, genl. mgr. and ch. engr.; adv. E. N.-R. Nov. 1.

Tex., Waco—Nov. 22, by City Water Bd., c/o C. Shear, chn., constructing steel, earth dam across Bosque River to City water supply. $1,500,000. Floyd & Lockridge, Wilson Bldg., Dallas, consult. engrs. Noted Nov. 17.

Okla., Maud—Nov. 9, by F. Fowler, city clk., 250,000 gal. reservoir, 2 motor driven centrifugal and 1 marine engine driven centrifugal pump, c.i. connecting pipe lines. $20,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 11.

Contracts Awarded

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 8th Ave., to Beaver Eng. & Contg. Co., 57 Chambers St., $22,714. Noted Sept. 20.

Mich., Detroit—Dpt. Water Supply, 73,000 cu.yd. excav. for foundations, for Springwells Pumping Station, to O. J. Trudeau, 2567 West Grand Blvd., $34,770. Noted Oct. 4.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., 2,568 ft. 6- to 42-in. c.i. mains in Hawley Rd., to H. Hohensee, 1282 10th Ave., $31,042. Est. $38,100.

Neb., Alliance—See "Streets and Roads."

Tex., Corsicana — City, J. S. Murchison, mayor, extending waterworks incl. c.i. distribution mains, 400,000 gal. elevated tank, to Wilson & Seward, Brady, Proposal I using leadite joints, $10,696; c.i. pipe to U. S. Cast Iron Pipe & Fdry. Co., Magnolia Bldg., Dallas, $16,041; valves, to Eddy Valve Co., Dallas, $3,972. Grand total $30,709. Noted Oct. 11.

See proposal advertising on page 134

Constr. News page 233

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Laid 10 miles of water main—and satisfactory in every particular!

—said a waterworks engineer of national reputation, referring to this installation

Here is the story:—

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

Lead Joints	$155,631
LEADITE Joints	142,535
Difference	$ 13,096
Saving in favor of **LEADITE**	8.4%

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

Specifications required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

Okla., Hobart—C. R. Williams, city clk., new water softening plant, equipment, chemical machines, main extensions, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $43,117. Est. $46,500. Noted Oct. 4.

Okla., Maud—F. Fowler, city clk., extending mains, to Standard Paving Co., 2119 East 11th St., Tulsa, $16,380. Est. $40,000. Noted Oct. 11.

Ore., Hood River—H. L. Howe, city recdr., 17 mi. water pipe line, to Randolph Contg. Co., Ada, Okla., $208,124. Est. $250,000. Noted Sept. 27.

Sewers

Proposed Work

N. J., Bernardsville—Boro Council, Boro Hall, preliminary plans sewage disposal plant. $302,381. C. Potts, 4 Farragut Pl., Morristown, boro engr.

N. J., Garwood — Boro Council, Boro Hall, preliminary plans sanitary sewerage system in 3rd Ave. from Westfield Town line to Walnut St., and Walnut St. from 3rd Ave. and Brookside Pl. $25,000. L. F. Churchill, boro engr.

N. J., New Brunswick — City Comn. sanitary trunk sewer in Three Mile Run where it crosses Delaware and Raritan Canal. $65,000. A. Atkinson, city engr.

N. J., Plainfield — See "Streets and Roads."

O., Berea—Village surveys sewage disposal plant. C. W. Root, 432 Society for Savings Bldg., Cleveland, engr.

O., Medina—Sanitary sewers. $130,000. G. Gascoigne, Leader Bldg., Cleveland, engr.

Neb., Grand Island—Surveys sewers, disposal plant. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Neb., Hemingford — Postponed until spring bids for 26,700 ft. 8- to 12-in. sewers, 536 wyes, 63 manholes, 5 standard flush tanks, 1,200 ft. 3 in. galvanized pipe, disposal plant. $48,913. Henningson Eng. Co., 326-30 Union State Bank Bldg., Omaha, engrs. Noted Oct. 4.

Neb., South Sioux City—For 12 mi. 8- to 18-in. sanitary sewers. $100,000. F. Gordon, mayor. Noted Aug. 9.

Neb., Wauneta—Takes bids in December or early January, 12,200 ft. 8- to 12-in. sewer pipe, 900 ft. 8 in. c.i. pipe, 38 manholes, 5 flush tanks, 1,000 ft. 3 in. ganvanized iron pipe. $28,972. Henningson Eng. Co., 326 Union State Bank Bldg., Omaha, $28,972.

Mo., St. Charles—Revised plans sewers. To exceed. $25,000. Burns & McDonnell, 401 Interstate Bldg., Kansas City, engrs.

Ark., Bald Knob—Soon takes bids complete sanitary sewerage system. $35,000. William Crooks Eng. Co., Home Insurance Bldg., Little Rock, engrs. Noted June 7.

Ark., Hughes—See "Waterworks."

Tex., Houston—Storm sewers in Houston Ave. extension and North Main St. from Enid to Houston Aves., $55,000; sanitary sewers from North Side disposal plant to Lyons Ave. and from there to Kress St., $45,000. J. C. McVea, engr.

Tex., Hallettsville — Survey sewerage system. $35,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Oct. 18.

Calif., Compton—New plans 29,973 ft. 8- to 18-in. vitr. sewers in Pearl Ave. G. Rood, city engr.

Calif., Los Angeles—Supervs. Los Angeles Co., 5.25 mi. cement sewers, manholes in Impvt. 686-Forest Lawn St. To exceed $60,000.

Bids Desired

N. Y., New York—Nov. 9, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Van Cortland Park S., Fieldston Rd., Tenbroeck, Murdock and Laconia Aves.

N. J., Highlands—Nov. 26, by Boro Council, sanitary sewerage system, sewage treatment plant, sewage pumping stations, ocean outfall sewer. Remington & Vosbury, 509 Copper St., Camden, engrs.; adv. E. N.-R. Nov. 1.

N. J., Union — Nov. 5, by Twp. Com., Town Hall, 4,780 ft. 8 in. vitr. sewer in Morrison Ave. $35,000. H. Kreh, Falls Bldg., twp. engr.

O., Akron—Nov. 7, by F. E. Swineford, dir. P. Service, 6,690 ft. 12- to 78-in. rein.-con. and 915 ft. 66- to 132-in. vitr. clay main trunk sewer for storm and sanitary sewerage. A. B. Backherms Municipal Bldg., engr.

Md., Baltimore—Nov. 7, by Bd. Awards, sanitary sewers, storm drains in Dists. 47 and 49, Storm Water Contr. 121; Dist. H-1, Storm Water Contr. 117. M. J. Ruark, sewerage engr.

Wash., Spokane — Nov. 8, by L. Funk, comr. Dpt. P. Wks., sewers in alleys between Monroe and Madison Sts., and Providence and Kiernan Aves. S. & R.

Calif., Los Angeles—Nov. 7, by Bd. P. Wks., 11,082 ft. house sewers in Gardner and 3rd Sts. Former bids rejected.

Ont., Crystal Beach — Nov. 5, by J. H. Nagel, Reeve, 7,100 lin.ft. 10 and 12 in. vitr. tile sewer, concrete sewage ejector well, 250 g.p.m. sewage ejector. $40,000. Ross & Scott, Welland, and E. H. Darling, Federal Bldg., Hamilton, engrs.

Contracts Awarded

N. J., Caldwell—Bd. Boro Council, Boro Hall, sewer in Smull Ave., to C. DeFazio, 109 Whittlesey Ave., West Orange, $26,365. Noted Sept. 6.

N. J., Fort Lee—Bd. Boro Council, Boro Hall, storm drain sewer in Anderson Ave., to J. J. McGarry, Gorge Rd., Edgewater, $26,825.

N. J., Union—Twp. Comn., Town Hall, sanitary sewers in Stuyvesant Ave., to J. Miele Constr. Co., 173 Harrison St., Bloomfield, $176,984; in Indiana St., to A. Fastiggi, Monclair, $24,575. Noted Sept. 20.

N. J., West Orange—Bd. Town Comrs., Town Hall, sanitary sewers in area between 1st and 2nd Mountains, to Luce Bros. & Tozzi, 431 Florence Ave., Hillside, $318,109. Noted Oct. 25.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering & Surveys, to Mazzola & Marano, Inc., 739 South 7th St., branch sewer in Reed St. $5,043, Georgian Rd. and Andrews Ave. $22,635, Walnut St. $11,172. Grand total $38,850.

O., Akron—F. E. Swineford. dir. Pub. Wks., 3,435 ft. 8- to 24-in. vitr. clay interceptor sewer along Ohio Canal, to Louis Crano, Inc., 605 Peoples Savings & Trust Bldg., $30,378. Est. $35,700.

O., Akron—F. E. Swineford, dir. Pub. Serv., 2,620 ft. Camp Brook Interceptor Sewer and 4,595 ft. Home Ave. Trunk Sewer, to F. George, 1657 Mahoning Ave., Youngstown, $41,453 and $256,082 respectively; 6,690 ft. Reed Avenue Sewer, to S. Erslan, 370 Bowery St., $12,196. Grand total $309,731. Noted Aug. 9.

O., Cincinnati—Hamilton Co., Sewer 15, Dist. 3, 59,825 ft. 6- to 18-in. vitr. clay pipe, to Marasco Constr. Co., Erie, Pa., $121,244. Est. $140,000. Noted June 28.

Ky., Louisville — Sewer Letting 920, to Louisville Asphalt Co., 240 East Lee St. $6,130, to Cannall Conrad Co., Todd Bldg., $20,209, to G. M. Eady, Gaulbert and Lee Sts. $11,000. Grand total $37,339.

Minn., White Bear—R. Bloom, city clk., 6,275 ft. 8- to 15-in. sewers, 12 manholes, 18 flush tanks, 7 lampholes, house connections, to Feyen Constr. Co., 277 Burgess St., St. Paul, $34,045; reconstructing 7,348 ft. 8- to 18-in. sewers, to W. C. Fraser & Son, 1957 University Ave., St. Paul, $10,995. Noted Sept. 20.

Neb., Alliance—See "Streets and Roads."

Calif., Los Angeles — Rein.-con. storm sewer in rights-of-way adjacent to San Fernando Rd., to Kemper & Cox, 1100 Westminster Ave., Alhambra, $42,715.

Calif., Los Angeles — Supervs. Los Angeles Co., 10.5 mi. vitr. sewerage system in Impvt. 743-Haynes Clearwater Sect., to J. Artukovich, 648 East 50th St., $173,878.

Ont., Port Colborne—H. F. Johnson, town clk., laying 20,000 ft. sanitary sewers, to F. F. Fry Ltd., 43 Scott St., Toronto, 7 pumping stations, to R. H. McGregor, 261 Donlands Ave., Toronto, $28,801. Noted Oct. 18.

Waste Disposal

Proposed Work

N. J., Bogota—Bd. Boro Council, Boro Hall, disposal plant. $30,000. R. Schweizer, Jr., boro engr. Noted Sept. 6.

N. J., Edgewater—Bd. Boro Council, Boro Hall, incinerator. $50,000. W. B. Delehanty, 26 Hudson Terrace, boro engr.

Bids Received

N. Y., Brooklyn—Brooklyn Ash Removal Co., at office Street Cleaning Dpt., Municipal Bldg., New York, Oct. 29, incinerators at (1) Gowanus Canal (2) Newtown Creek (3) Avenue J, from Hiler Eng. & Contg. Co., 122 Livingston St., Proposition 1, furnace air preheaters of Sterling or Hennan design, (1) $390,000 and $380,000 (2) $390,000 and $380,000 (3) $374,000 and $364,000, from C. C. Bartlett & Snow Co., 6200 Harvard Ave., Cleveland, O. (1) $420,000 and $412,000 (2) $428,000 and $421,000 (3) $401,000 and $395,000, from Decarie Incinerator Corp., 342 Madison Ave., New York, Proposition 2, furnaces of Decarie design, (1) $470,000 and $455,000 (2) $465,000 and $450,000 (3) $460,00 and $445,000; from M. W. Kellogg Co., 71 Dey St., New York, 2 radial brick chimneys at (1) $31,000 (2) $32,800 (3) $32,000, from Alphons Custodis Chimney Constr. Co., 95 Nassau St., New York, at (1) $31,500 (2) $33,500 (3) $32,750. Noted Oct. 18.

Bridges

Proposed Work

R. I., Providence — City, City Engineers Office, City Hall, concrete, steel bridge, Crawford St. $25,000 or more. S. F. Nolan, City Hall, engr.

Ill., Calumet City — Comrs. Cook Co., County Bldg., Chicago, 3,100 ft. bridge and viaduct over Calumet River. $800,000. G. A. Quinlan, 139 North Clark St., Chicago, engr.

Minn., Duluth—P. G. Phillips, comr. Dpt. P. Wks., City Hall, bids after Jan. 2 to be opened Feb. 16, Lake Avenue, South Bridge, over Duluth Ship Canal, 396 ft. vertical lift span and towers. $550,000. Former bids rejected. Harrington, Howard & Ash, 1013 Baltimore Ave., Kansas City, Mo., engrs. Noted Oct. 11.

Wyo., Laramie—Union Pacific R.R. Co., G. J. Adamson, asst. ch. engr., Omaha, Neb., expending $350,000 improvements, erecting overhead viaduct. City election in November, $184,000, its share of cost.

Missouri—State Hy. Comn., Jefferson City, rein.-con. slab, rein.-con. deck girder, I-beam, steel span bridges in Andrew, Barry, Buchanan, Clay, Dallas, Greene, Knox, Lincoln, Livingston, Pettis, Saline and Wayne Counties. T. H. Cutler, ch. engr.

Tex., Austin—City, c/o A. R. Johnson, mgr., 50 ft. span rein.-con. arch design on skew bridge across Waller Creek. $25,000. H. R. F. Helland, Austin, consult. engr.

Tex., Brownwood—State and Brown Co., concrete, timber, steel vehicular bridge across Colorado River, on Brownwood-Brady Hy. $175,000. Address E. M. Davis, Brownwood, co. judge.

Bids Desired

N. Y., Olive—Nov. 9, by Bd. Supervs. Ulster Co., Court House, Kingston, single span rein.-con. arch bridge. Concrete-Steel Eng. Co., Park Row Bldg., New York, designing engr.; adv. E. N.-R. Nov. 1.

N. Y., Watertown—City, c/o City Clerk, City Hall, bids about Nov. 20, bridge over Black River, on Mill St. $90,000. Concrete & Steel Eng. Co., 21 Park Row, engr.

New Jersey — Nov. 19, by State Hy. Comn., Trenton, bridge across Scotland Run, on Route 48 (Revision 1927), at Malaga Lake, Gloucester Co. A. L. Grover, ch. clk.; adv. E. N.-R. Nov. 1

O., Alliance—Nov. 22, at office N. C. Fetters, dir. P. Service & Safety, City Hall, repairing, rebuilding Main St. Viaduct. H. E. Anderson, city engr.; adv. E. N.-R. Nov. 1.

Kan., Iola—Nov. 9, by Clerk Allen Co., three 80 ft. span concrete arch bridge, Kansas Project 721-A. A. W. Young, Iola, engr.

Washington — Nov. 20, by State Hy. Comn., Olympia, one 126 ft. steel deck truss bridge with steel approaches over Morse Creek, Yakima Co. S. J. Humes, ch. engr.

Calif., Magra (mail Gold Run)—Nov. 14, by State Hy. Comn., Sacramento, one 48 ft., two each 30 ft. and 28 ft. span rein.-con. girder overhead crossing over Southern Pacific R.R. near here, Placer Co. $45,000. C. H. Purcell, Sacramento, engr. Noted Aug. 9 under "Auburn."

Ont., Ottawa—Nov. 12, by Secretary Bd. Control, concrete, steel bridge on Somerset St. $150,000. A. F. Macallum, City Hall, engr.

Ont., Toronto—Nov. 2, by Margison & Babcock, engrs., Royal Bank Bldg., 830 ft. concrete, steel deck truss bridge over Don River Ravine, on Bayview Ave., for North York Twp. $200,000. Noted Oct. 18.

Contracts Awarded

New York—A. W. Brandt, comr. Hys., Albany, (**e. e. means engineers estimate**), bridges, Herkimer Co., to F. A. Ray, Herkimer, $30,679 e. e. $38,289—Franklin Co., to Scott Bros. Constr. Co., Rome, $182,454 e. e. $205,828—Monroe Co., to R. E. Tompkins, Rochester, $24,600 e. e. $35,576—Warren and Dutchess Counties, to Shackett Schofield, Inc., Beacon, $101,832 and $41,176 respectively, e. e. $130,497 and $55,041 respectively — Chautauqua Co., to W. D.

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REPUBLIC·CREOSOTING·CO

Home Office and Plant ····Indianapolis·

OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Bridges—(Continued)

Heffernan, Dunkirk, $25,740 e. e. $33,801—Essex Co., to C. E. Malone, Port Henry, $21,902 e. e. $28,071—Montgomery Co., to Milliron Constr. Co., Dubois, Pa., $131,327 e. e. $151,006—Ulster Co., to Harp & Conway Corp., Kingston, $56,315 e. e. $71,951—Ulster Co., to C. D. Perry, Albany, $58,717 e. e. $67,777. Grand total $674,742. Noted Sept. 20, under "Streets and Roads."

New Jersey—State Hy. Comn., Trenton, bridge over north channel, Toms River, Ocean Co., to Hill Constr. Co., Mount Holly, $38,544. Noted Oct. 11.

N. J., New Providence—Union Co., Court House, Elizabeth, steel, concrete bridge over Passaic River, to A. L. Trimpi, 279 Main St., Chatham, $42,240. Est. $50,000. Noted July 19.

Pa., New Castle—Lawrence Co. bridge on North St., to J. A. Byers, New Castle, $74,900. Est. $75,000.

Miss., Columbia — See "Streets and Roads."

Ala., Mobile — Mobile Co., concrete bridges, culverts, Government St. and Dickers Ferry Rd., to Cox & Bryson, Mobile, $20,266—Telegraph Rd., to Mobile Constr. Co., Mobile, $4,613—Delchamps Rd., to J. W. Gilbert, Mobile, $19,231—Bayou La Barte Rd., to G. A. Muths, Mobile, $12,241. Grand total $56,351. Noted Aug. 2.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Jefferson Co., to H. R. Cawood, Mt. Vernon, $69,688—White Co., to International Steel & Iron Co., Evansville, Ind., $6,211—Livingston Co., to Taylor Constr. Co., Hubbard Woods, $44,024—Tazewell Co., to A. P. Munsen, Marion, Ia., $26,133—Iroquois Co., to Zimmerly Bridge Co., Paris, $16,027—Iroquois Co., to Continental Bridge Co., 460 Monadnock Bldg., Chicago, $15,299. Grand total $177,382. Noted July 5 and Sept. 20.

Iowa — State Hy. Comn., Ames, bridges, Dallas Co., to Snyder & Johnson, Humboldt, $66,619 — Dickinson Co., to Wickham Bridge & Pipe Co., Council Bluffs, $14,300—Louisa Co., to H. O. Graham, Cedar Rapids, $8,436—Washington Co., to Iowa Bridge Co., Eastern Blvd. and 19th St., Des Moines, $13,450—Woodbury Co., to Metropolitan Constr. Co., Omaha, Neb., $17,182—box culvert extension Monroe Co., to E. A. Kramme Co., Des Moines, $597—11 box culverts, Plymouth Co. and 22 culverts, Woodbury Co., to C. F. Lytle Constr. Co., 504 Nebraska St., Sioux City, $6,950 and $12,000 respectively. Grand total $139,934. Noted Oct. 11.

Kan., Atchison—See "Streets and Roads."

Kan., Hoxie—See "Streets and Roads."

Kan., Smith Center—See "Streets and Roads."

Mo., Joplin—M. E. Fones, city clk., rein.-con. viaduct, Pennsylvania Ave., to M. E. Gillioz, Monett, $69,529. Est. $70,000. Noted June 7.

Texas — G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridges in Blanco Co., to L. E. Sanders, 400 Kendalia Ave., San Antonio, $52,446—Jackson and Victoria Counties, to Sullivan & Davis, Granger, $26,959 — timber piling, trestle bridges Guadalupe Co., to Monarch Eng. Co., 1007 Travis Bldg., San Antonio, $29,995. Grand total $109,400.

Arizona — State Hy. Comn., Phoenix, Hassayampa Bridge on Federal Aid Project 71, to E. S. Johnson, Pasadena, Calif., $43,872; grading, 1 bridge on Phoenix-Yuma Hy., Federal Aid Project 56, to J. L. Hall, Yuma, $8,808. Noted Sept. 27 under "Streets and Roads."

California — State Hy. Comn., Sacramento, 3 rein.-con. girder bridges over Ash, Dry and Butte Creeks, Modoc Co., to J. P. Brennan, Redding, $49,605. Noted Oct. 25.

Dams

Proposed Work

Tex., Austin—City, A. R. Johnson, mgr., 168 ft. dam across Barton Creek, 3 sluice gates, 15 ft. spillway section, sidewalks. $25,000. H. R. F. Helland, consult. engr.

Railways

Proposed Work

Ontario—Canadian Pacific Ry., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., rock ballasting between Windsor and London. $750,000.

Bids Desired

Texas—Port Isabel Transportation Co., c/o C. R. Tyrrell, pres., Pt. Isabel or Brownsville, taking bids electrifying 22 mi. Rio Grande & Point Isabel Railroad, constructing 30 mi. electric railway between Point Isabel and San Benito. $125,000. Noted Oct. 4.

Contracts Awarded

Pennsylvania—Dpt. P. Wks., Bureau of Engineering & Surveys, Phila., Frankford, Bustleton & Byberry Surface Railway on Castor Ave., in Philadelphia, to Montgomery Paving Co., Harrison Bldg., Phila., $199,918. Noted Oct. 11.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Conn., Greenwich—Town, c/o O. Tuttle, Town Hall, sketches harbor improvements. $25,000 or more. Olmsted Bros., 99 Warren St., Brookline, Mass., archts.

N. Y., New York — W. C. Ormond, 909 President St., Brooklyn 200,000 cu.yd. earth fill, at south end Castle Hill Ave., Bronx Boro.

Ill., East St. Louis—East Side Levee & Sanitary Dist., 213 Metropolitan Bldg., revising plans 2 pumping stations for levee system, one 43 x 75 ft. with four 54 in. screw pumps, other 28 x 30 ft. with two 36 in. screw pumps and auxiliary equipment. E. F. Harper, c/o owner, engr. Noted Aug. 30.

Okla., Loveland—North Fork D. D. 1, Tillman Co., Frederick, preliminary plans drainage ditch. To exceed $25,000. D. E. Powell, Frederick, engr.

Okla., Spiro—Le Flore Co., Poteau, preliminary plans drainage ditch to serve Cache Swamps, near here. To exceed $25,000. J. N. Page, Poteau, engr.

Bids Desired

Mass., Barnstable—M. F. Wilson, North Bay, Osterville, taking bids bulkhead, fill solid, dredging channel, incl. piling, timber, rip rap. $25,000 or more. Private plans.

Mississippi—Nov. 9, by Comrs. D. D. 2, Quitman, Tunica and Panola Counties, at Bank of Crenshaw Bldg., Crenshaw, and W. A. Birdsong, Clarksdale, engr., 73,000 cu.yd. excav. in ditches, and clearing 2 mi. Davil Bayou.

Ill., Urbana — Nov. 5, by Comrs. Big Slough Special D. D., at office Clerk Champaign Co., cleaning out, deepening 5 mi. main ditch and 6.75 mi. branch ditches, incl. 12,11 cu.yd. excav. Danely & Schmelzter, Champaign, engrs.

Calif., Lindsay—Nov. 9, by L. M. Barry, secy. Lindsay-Strathmore Irrigation Dist., 4,600 ft. lined canal, 5,600 ft. 40 in. continuous stave redwood pipe.

Ont., Hamilton — Nov. 15, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, repairing revetment wall. $75,000.

Ont., Ottawa — Federal Dist. Com. and Dpt. Railways & Canals, bids about Dec. 1, rein.-con. retaining walls along Rideau Canal. $250,000. A. Hay, Ottawa Electric Bldg., Sparks St., engr.

Ont., Prescott—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, bids about Dec. 1, docks and terminal, for Dominion Govt., Ottawa. $2,500,000. K. M. Cameron, Dpt. P. Wks., Ottawa, engr. Noted June 14.

Contracts Awarded

Conn., Stamford—W. G. McCullough, c/o Fougner & Gautier, engrs., 103 Park Ave., New York, dredging, sea walls, yacht basin, etc., to Trimount Dredging Co., 10 State St., Boston, Mass. Est. $250,000. Noted Aug. 23.

Louisiana — Bd. State Engineers, New Court House, New Orleans, enlarging 65,000 cu.yd. Cypremont Levee, right bank of Atchafalaya River, St. Martin Parish, to McWilliams Dredging Co., New Orleans Bank Bldg., New Orleans, at $0.85 per cu.yd. Noted Oct. 4.

Ia., Le Mars—See "Streets and Roads" under "Proposed Work."

Tex., Natalia—At office P. A. Welty, dist. engr. and mgr. Bexar-Medina-Atascosa Counties Water Impvt. Dist. 1, Frost Natl. Bldg., San Antonio, 400,000 cu.yd. earthwork in canals, laterals, drains, ditches, levees, dams and approaches of Units 4 and 5 of irrigation and water improvement system, to Allhands & Davis, 1116 Republic Bank Bldg., Dallas, $73,203. Noted Sept. 13.

Calif., Chico — G. B. McDougal, state archt., Sacramento, furnishing, driving concrete piling for new State Teachers College Administration Building, to F. L. Hansen, 637 Minna St., San Francisco, $19,740. Est. $25,319. Noted Oct. 4.

Calif., Santa Barbara—For 125,000 cu.yd. earth embankment, rein.-con. pipe, Andree Clark Bird Refuge, to R. L. Oakley, 1401 Emerson St., Palo Alto, $28,453.

Ont., Port Dover — S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, improving harbor, to A. C. Stewart & Co., Port Dover, $130,000. Noted Sept. 20.

British Columbia—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., dredging Barnaby Shoal, to North Western Dredging Co., Ltd., 510 Hastings St. W., $48,000. Noted Sept. 13.

Streets and Roads

Proposed Work

Mass., Boston—Dpt. P. Wks., bitulithic or sheet asphalt paving Beacon St. between Park and Charles Sts. To exceed $25,000. J. H. Sullivan, comr.

N. J., Belmar—City Council paving 7th, 8th, 9th and 10th Aves. $50,000.

N. J., Elizabeth — Bd. Pub. Wks., City Hall, preliminary plans grading, curbing, sidewalks, sheet asphalt on concrete paving North Ave. from Chilton to North Broad Sts. $100,000. T. Collins, city engr.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, sewers, bituminous macadam paving State St., Spring Valley and Grand Aves. $25,000. F. Campbell, 167 Main St., engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., preliminary plans grading, curbing, sidewalks, 6 in. bituminous macadam paving Clarke St. $75,000. F. Campbell, city engr.

N. J., Hackensack — Hackensack Impvt. Dist., Municipal Bldg., grading, curbing, sidewalks, 6 in. bituminous macadam paving Mary and Kent Sts. $55,000. Noted Oct. 4 and 11.

N. J., Hoboken—Bd. City Comrs., City Hall, sheet asphalt on concrete paving Willow Terrace. $25,000. J. C. Whittemore, city engr.

N. J., Leonia (Ind. br. Hackensack)—Bd. Boro Council, Boro Hall, grading, rein.-con. paving Broad Ave. $50,000. C. Eckerson, 32 Dean St., Englewood, boro engr.

N. J., New Providence—Bd. Freeholders Union Co., Court House, Elizabeth, preliminary plans curbing, 8 in. rein.-con. paving South St. $25,000. J. L. Bauer, Court House, Elizabeth, co. engr. Noted July 19.

N. J., North Caldwell (mail Caldwell)—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving Smull Ave. $50,000. Reilly & Reimer, 275 Bloomfield Ave., Caldwell, boro engrs.

N. J., Plainfield — Common Council curbing, sewers, widening, paving Park Ave. from 2nd to Front Sts. $750,000. A. Vars, city engr. Noted May 17.

N. J., Roselle Park (br. Elizabeth)—Bd. Freeholders Union Co., Elizabeth, preliminary plans curbing, 8 in. rein.-con. paving Lincoln Ave. $25,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., Summit — Bd. Freeholders Union Co., Court House, Elizabeth, preliminary plans curbing, 8 in. rein.-con. paving Springfield Ave. $25,000. J. L. Bauer, Court House, Elizabeth, co. engr.

N. J., Verona—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving Park Ave. $25,000. Miller & McGiffert, 484 Bloomfield Ave., Montclair, boro engrs.

N. J., Weehawken—Bd. Town Council, Town Hall, grading, sheet asphalt on concrete paving Louisa Pl.; new concrete stairs foot of Columbia Terrace. $25,000. Engineer not selected.

Ia., Le Mars—Plymouth Co. rejected bids Oct. 8, graveling 8 mi. roads. Contract for 4,400 cu.yd. channel change, to R. C. Ward Co., Correctionville, at $0.219 per cu.yd.

Minn., Benson—Soon takes bids paving 20 blocks. $60,000-$80,000. S. A. Berg, city clk.

S. D., Gettysburg—City Council paving 15 blocks. W. Weidensee, mayor.

Montana—State Hy. Comn., Helena, bids during January and February, grading 146 mi. and graveling 112 mi. roads in Beaverhead, Broadwater, Carbon, Custer, Dawson, Fergus, Gallatin, Glacier, Golden Valley, Hill, Lake, Madison, Park, Petroleum, Pondera, Richland, Rosebud, Silver Bow, Teton, Valley and Wheatland Counties. H. C. Tilzey, Helena, div. engr.

Mont., Butte — Dpt. P. Wks., M. R. Walsh, comr., paving 30,000 sq.yd. $60,000.

Mont., Great Falls—Paving 13 blocks Impvt. Dist. 525. $53,000. M. L. Morris, city engr.

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Streets and Roads (Continued)

Missouri—State Hy. Comn., Jefferson City, 30 ft. grading 78 mi. 9 projects in Andrew, Buchanan, Clay, Dallas, Lincoln, Linn, Greene, Pettis, Saline and Wayne Counties; 18 ft. graveling 14.6 mi. 3 projects in Bates, Barry and Knox Counties. T. H. Cutler, ch. engr.

Mo., St. Joseph—Bd. P. Wks. soon takes bids 2 in. asphalt paving 8,400 sq.yd. 6th St., $15,000—6 in. concrete paving 11,400 sq.yd. 8th St., $28,000—3,631 sq.yd. Duncan St., $14,400—4,640 sq.yd. Garfield St., $11,600—concrete paving 15th St. between Sycamore and Pacific Sts., $4,300. R. Dunlap, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, grading, alternate types paving Westminster Pl., Beck, Cintra, Belt, Columbia and Pershing Aves., Agnes, Angelrodt, Davison, Graham, Penrose, Enright, McPherson and Washington Sts. W. W. Horner, City Hall, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans grading, concrete paving 33,240 sq.yd. alleys in City Blocks 878, 1496N, 2856, 2970, 3388, 4069E, 4074, 4132, 4403A, 4408C, 4418B, 4517N, 4610N, 4710, 4770, 4781N, 4803, 4811, 5324E, 5455, 5584, 5654 and 5926. $91,425. W. W. Horner, City Hall, engr.

Ark., Pine Bluff—Soon takes bids grading, curbing, concrete paving Dist. 104. $100,000.

Ark., Siloam Springs—Grading, curbing, concrete paving 6.5 blocks Paving Dist. 6, 30 ft. W. L. Winters, Fort Smith, engr. Noted Aug. 2.

Texas—State Hy. Dpt., Austin, grading 5.626 mi. hy. Mitchell Co., $35,000—15.424 mi. Throckmorton Co. $91,365—5.041 mi. Young Co., $27,000—19.204 mi. Karnes Co., $100,000—grading, surfacing 20.005 mi. El Paso and Hudspeth Counties, $120,000, all 26 ft. wide. G. Gilchrist, state hy. engr., Austin.

Tex., Archer City—Archer Co., grading, bridging 7.837 mi. Hy. 24. $27,500. G. R. Johnston, Archer City, co. engr.

Tex., Daingerfield — Morris Co., gravel surfacing 12 mi. Hy. 12 from here to Omaha. $90,000. Address J. O. Johnson, Daingerfield, co. judge.

Tex., Del Rio—Val Verde Co., grading 6.128 mi. Hy. 3, 26 ft. $75,000. J. Stovell, Del Rio, co. engr.

Tex., Hallettsville—Surveys grading, paving. $50,000. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs. Noted Oct. 11.

Tex., Hallettsville—Lavaca Co., grading 10 mi. Hy. 109 in Moulton Road Dist. $50,000. N. H. Koether, Hallettsville, co. engr.

Tex., Lubbock—Soon takes bids alternate types paving. $225,000. R. Smith, city engr. Noted Oct. 11.

Tex., Zapata — Zapata Co., preliminary surveys and soon takes bids grading, 4 large concrete, steel bridges, concrete paving 53.6 mi. hy. 20 ft., for Federal Government, State and Zapata Co. $1,000,000. T. E. Huffman, Laredo, engr. Noted Aug. 30.

Oklahoma—State Hy. Comn., Oklahoma City, preliminary plans grading, paving 12 mi. hy. from point south of Gould to Red River, Harmon Co., 30 ft. To exceed $25,000. C. R. Mandigo, state hy. engr.

Oklahoma — State Hy. Dpt., Oklahoma City, graveling 16 mi. U. S. Road 64, Sequoyah Co. To exceed $25,000. C. R. Mandigo, Capitol, Oklahoma City, hy. engr.

Oklahoma—State Hy. Comn., Oklahoma City, grading 8 mi. State Hy. 9, Grady Co., 30 ft.; concrete paving 42,000 sq.yd. U. S. Hy. 81, Grant Co. Each exceeds $25,000. C. R. Mandigo, state hy. engr.

Oklahoma — State Hy. Dpt., Oklahoma City, grading 10 mi. U. S. Hy. 81, Canadian Co., 30 ft. To exceed $25,000. C. R. Mandigo, hy. engr.

Okla., Allen — Grading, concrete paving 15,000 sq.yd. Bway. To exceed $25,000. C. Coon, 1301 West 21st St., Oklahoma City, engr.

Okla., Fairview — Grading, paving 5 blocks North 3rd St. To exceed $25,000. O. T. Carwin, ctiy clk.

Okla., Hooker — Grading, paving 12 blocks, 26-60 ft. To exceed $25,000. F. E. Devlin, Wichita, Kan., engr.

Okla., Mangum—Greer Co., preliminary plans improving 11 mi. Rd. 6, south of here, 30 ft. To exceed $25,000.

Okla., Tulsa—Grading, paving 11 blocks Red Fork Dist., 30-40 ft. To exceed $25,000. B. M. Hart, City Hall, engr.

Okla., Wewoka—Seminole Co., grading, paving 2 mi. Rd. 6, 30 ft. $50,000. R. Grace, Wewoka, engr.

Okla., Wewoka — Seminole Co., preliminary plans grading, paving 4 mi. road north of Cromwell. Est. exceeds $25,000. R. Grace, Wewoka, engr.

Calif., Oakland — Grading, 2 in. warrenite on 6 in. concrete paving 102,723 sq.ft. Foothill Blvd. G. N. Randle, city engr.

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Calif., San Diego — Common Council, grading, concrete curbing, ornamental lighting system, 6 in. concrete paving 125,874 sq.ft. San Gorgonio St.

Bids Desired

New York—Nov. 16, at office F. L. Merritt, clk., Bd. Supervs. Westchester Co., Court House, White Plains, grading Bronx Parkway Connection at Kensico Dam as County Rd. 68, and 2 stone faced bridges, at North Castle. C. MacDonald, co. engr.; adv. E. N.-R. Nov. 1.

N. Y., Brooklyn—Nov. 8, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, sheet asphalt on concrete paving 11th Ave., 71st and East 40th Sts.

N. Y., Buffalo—Nov. 7, by G. Fisk, comr. Pub. Wks., Municipal Bldg., sheet asphalt repaving Elm St. from Swan to Clinton Sts., Elm St. from Clinton to Tupper Sts., Elm St. from Tupper to High Sts., Elm St. from High to Best Sts.; paving Pontiac St. C. E. P. Babcock, Municipal Bldg., city engr. Noted Oct. 25.

N. Y., New York—Nov. 8, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving West 99th and 121st Sts.

N. Y., New York—Nov. 9, by H. Bruckner, pres. Bronx Boro, grading, sidewalks on Arnow Pl., Bronx Blvd., Hobart, Allerton and Murdock Aves.

Md., Baltimore—Nov. 7, by Bd. Awards, sheet asphalt paving 9,700 sq.yd. Contr. 490; grading 22,000 cu.yd. Contr. 491. N. L. Smith, hys. engr.

Virginia—Nov. 13, by State Hy. Comn., Richmond, grading 0.66 mi. to Robertson River and 0.89 mi. to Hughes River, Madison Co. $50,000.

Alabama—Nov. 14, by State Hy. Comn., Montgomery (**F.A.P. means Federal Aid Project**), grading, sand clay surfacing 11 mi. F.A.P. 6 and 36 and 12 mi. F.A.P. 128 Covington Co.—10 mi. F.A.P. 89, Geneva Co.—12 mi. F. A. P. 45, Dale Co. and F.A.P. 114, Barbour Co. W. Finnell, hy. dir.

Ala., Birmingham — Nov. 27, by City Comn., 2 in. asphalt on 6 in. concrete paving 2 blocks 4th Ave. S., $15,570—7 blocks 8th Court S. and 53rd St., $33,250—200 ft. 52nd St., $1,650 — 2 blocks 9th Court N., $5,550—6 in. concrete paving 1 block 5th Alley N., $2,150. A. J. Hawkins, city engr.

Miss., Europa — Nov. 6, by T. G. Abernethy, mayor and Bd. Aldermen, grading, curbing, sewers, paving 22,200 sq.yd. M. L. Culley, 205 Lampton Bldg., Jackson, engr.

Miss., Holly Spring—Nov. 7, by Comrs. Marshall Co., grading 48,723 cu.yd. Corith-Memphis Rd. Noted Oct. 11.

Miss., McComb—Nov. 10, by Bd. Selectmen, grading, brick, concrete, vibrolithic, asphalt or warrenite paving 25,000 sq.yd. Virginia, Argyle, Edgar, 5th, Louisiana and Maryland Sts. H. A. Mentz, City Natl. Bank Bldg., Hammond, La., engrs.

La., New Orleans—Dec. 4, by City Council, grading, paving 2,900 ft. Apricot and Apple Sts. $50,000. A. Vallas, city engr.

Miss., Raleigh — Nov. 6, by Supervs. Smith Co., Chancery Clerks Office, grading 109,462 cu.yd. Federal Aid Project 203-A, Forest-Raleigh Rd. G. A. Draper, Jackson, state hy. engr.

Louisiana—Nov. 22, by State Hy. Comn., Baton Rouge, grading, hardsurfacing 17.862 mi. Dixie-Overland Hy., 20 ft., Bossier Parish.

La., Natchitoches — Nov. 8, by O. F. Himel, secy.-treas., grading, curbing, concrete paving 9,647 sq.yd. West 8th, 9th, Touline, Amulet and Bossier Sts. C. D. Evans Levy Bldg., Shreveport, engr.

O., Akron—F. E. Swineford, dir. P. Serv., bids about Jan. 1, stone and granite curbing, vitr. brick on 6 in. concrete paving Elma St. and Frances Ave., $55,000; 22,060 sq.yd. Castle Blvd. et al, $170,000. E. A. Kemmler, Municipal Bldg., engr.

Ind., Crown Point—Nov. 12, by Comrs. Lake Co., concrete paving H. B. Snyder Rd. 2, Calumet Twp. $123,500. W. E. Whitaker, Crown Point, aud.

Ind., Goshen—Nov. 12, by Comrs. Elkhart Co., concrete paving 8,193 ft. Unit Rd. R-4, Concord Twp. $40,965. M. E. Croop, Goshen, aud.

Michigan—Nov. 15, by R. W. Roberts, resident engr., Saginaw, grading 3.361 mi. MO18-4, C-2, 26 ft., and one course graveling 1.799 mi. MO18-5, C-1, 18 ft., Clare Co., for State Hy. Dpt., Lansing.

Ill., Chicago—Nov. 8, by City at office Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, asphalt on 6 in. concrete paving Iowa St., Hilldale, and South Springfield Aves.—grading, curbing, guttering, sewers, asphalt on 8 in. concrete paving East 115th St.—grading, curbing, guttering, sewers, 8 and 10 in. concrete paving West 120th, East North Water, East 88th, 89th, 90th, and 91st Sts., Monticello, Luella, Crandon, Oglesby, Phillips and Anthony Aves. M. J. Faherty, pres.

Ia., Decorah—Nov. 14, at office Auditor Winneshiek Co., grading 4 mi. Co. Rd. Spillville Rd. F. Arneson, Decorah, engr.

Kan., Goodland—Nov. 13, by Clerk Sherman Co., sand clay surfacing 15 mi. State Project 654, on Rd. K 27, 30 ft. C. N. Constable, Court House, engr.

Kan., Phillipsburg — Nov. 15, by Clerk Phillip Co., grading, bridging 9.244 mi. Kansas Project 717, 30 ft.

Texas—Nov. 19, by G. Gilchrist, state hy. engr., Austin, grading, bridging 18.[illegible] mi. Hy. 24, Knox Co., $54,000, H. S. Kerr, Benjamin, resident engr.; 15.059 mi. Mitchell Co., $72,000, W. J. Van London, Colorado, resident engr.

Tex., Edinburg — Nov. 19 (extended date), by Hidalgo Co. Rd. Dist. 4, c/o A. W. Cameron, judge, paving 20 mi. roads. $450,000. P. S. Devine, Edinburg, co. engr.

Tex., Miles—Taking bids 7 in. rein.-con. paving 14 blocks Robinson and 10th Sts. $40,000. Address Mayor.

Tex., Rockdale — Nov. 8, by City, concrete curbing 56,000 lin.ft. alternate types paving 118,000 sq.yd. $300,000. Address Mayor.

Okla., Chickasha—Nov. 8, by C. R. Chinchall, city clk., grading, concrete paving 13,000 sq.yd. Dist. 37. To exceed $25,000. R. O. Bradley, Chickasha, engr.

Colorado—Nov. 5, by State Hy. Dpt., Denver, gravel surfacing 4,750 cu.yd. F. A. 134-B, Kit Carson Co.—6,730 cu.yd. F. A. 149, Constr. Div. 1, Elbert Co.—62 ft. log bridge, 0.189 mi. gravel approaches, S. P. 726 (1928), Gunnison Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

California—Nov. 14, by State Hy. Comn., Sacramento, grading, concrete paving 3.3 mi. road between Arroyo Grande and Pismo, San Luis Obispo Co.—1.8 mi. road between Herndon and Tharsa, Fresno and Madera Counties — grading, bituminous macadam paving 3.0 mi. road between San Rafael and San Quentin, Marin Co.—grading, oil treated crushed gravel or stone surfacing 20.8 mi. road between Yermo and Dunn, San Bernardino Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Calif., Ventura — See "Contracts Awarded"

Calif., San Diego—Nov. 13, by Common Council, grading, curbing, concrete sidewalks, 6 in. concrete paving 106,169 sq.ft. Coast Blvd. A. H. Wright, city clk. Noted Oct. 18.

Calif., Yuba City—Nov. 17, by Supervs. Sutter Co., grading, culverts, crushed rock surfacing 5 mi. Yuba City-Woodland Cut-off between Sutter By-Pass and Robbins. $25,000; grading, 8 in. asphaltic concrete paving 6½ mi. River R. near Tudor, $40,000. W. Shearer, Yuba City, co. engr. Noted Oct. 25.

Bids Received

Pennsylvania—State Hy. Comn., Harrisburg, Oct. 23 and 24, (**R. means Route, and A. Application**), grading 8,758 ft. R. 617, Dauphin Co., from H. A. Kline, 2646 Boas St., Penbrook, $18,706—2,564 ft. R. 82, Erie Co., from F. E. Winter, 909 Cascade St., Erie, $33,870—28,367 ft. A. 274, Indiana Co., from Milarr & Billock, 120 Pike St., Youngstown, O. $100,835—41,475 ft. R. 38, Sect. 3, Fulton Co., from F. D. Kessler, 405 Front St., Northumberland, $211,207—bituminous treated macadam paving 6,529 ft. R. 220, A. 5550, Pike Co., from Burgess Bros. & Henry, Fork Union, Va., $65,787—17,313 ft. R. 608, A. 5579, Lancaster Co., from Thomas, Bennett & Hunter, Westminster, Md., $97,954—2,981 ft. A. 5716, Bucks Co., from L. W. Merriman, Ebensburg, $14,388—24,089 ft. A. 5559, Wayne Co., from Bryant & Kohl, Inc., 19 Perry Lane, Wilkes-Barre, $149,868—6,768 ft. A. 5823, Lancaster Co., from Fulton Constr. Co., 245 West Walnut St., Lancaster, $29,735—one course rein.-con. paving 20,988 ft. R. 441, York Co., from Sherman & Rhodes, Millersburg, $199,946—9,931 ft. As. 5561 to 5564 (inclusive), Westmoreland Co., from Windber Constr. Co., Inc., Windber, $143,262—10,283 ft. R. 288, Sect. 7, Fayette Co., from P. DeRienzo, Fayette City, $96,966—3,736 ft. A. 5738, Blair Co., from L. R. Mathieu, 1824 Union Ave., Altoona, $39,036—20,906 ft. R. 545, Sects. 3 and 4, As. 5026 and 4984, Washington Co., from Coss & Otto, Wheeling, W. Va., $246,086—11,458 ft. A. 5754, Bradford Co., from Smouse & Kreamer, Galeton, $95,357—16,807 ft. R. 104, A. 5573, Potter Co., from David Schoentag, Inc., Saugerties, N. Y., $58,957—10,428 ft. R. 234, Sect. 5, Clearfield Co., from D. Bailey, Morrisdale, $102,628—6,000 ft. A. 5434, Bradford Co., from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $46,794—5,338 ft. A. 331, Indiana Co., from W. B. H. Williams, Patton, $38,389—24,535 ft. A. 301,

Streets and Roads (Continued)

Indiana Co., from Russell Bros., 3835 Wickliffe Blvd., Youngstown, O., $296,880—24,259 ft. R. 256, Sects. 3 and 4, As. 5385 and 5387, Greene Co., from Tri-State Eng. Co., Liberty Trust Bldg., Cumberland, Md., $108,464—3,277 ft. R. 14, A. 5613, Susquehanna Co., from R. T. Paine, 469 North 6th St., Lebanon, $109,022—6,475 ft. A. 354, Westmoreland Co., from Adam Eidemiller, New Alexandria, $62,535—53,576 ft. R. 246, Lawrence and Mercer Counties, from Holmes Constr. Co., Wooster, O., $379,105—12,834 ft. R. 242, Sect. 4, Washington Co., from Allison-Harris Constr. Co., East Liverpool, O., $132,853—24,325 ft. R. 52-N, Sects. 2, 3 Spur and connection, Somerset Co., from James & Nicholson Co., 833 Wood St., Johnston, $252,793. Noted Oct. 4.

Contracts Awarded

Maine — State Hy. Comn., Augusta, graveling 2.27 mi. hy. in Bethel and 3.59 mi. New Sharon, to W. H. Hinman, Inc., Medway, Mass., $31,820 and $69,124 respectively—1.65 mi. Phillips, to R. M. Davis, Oldtown, $34,642—0.75 mi. Island Falls, to Sawyer & Carlisle, Ellswort, $14,232. Grand total $149,818. Noted Sept. 27.

Mass., Boston—Dpt. P. Wks., sheet asphalt paving Parklawn Rd., Ward 20, to C. M. Callahan, 23 South Fairview St., Roslindale, Est. $25,000. Noted Sept. 20.

Connecticut—J. A. MacDonald, hy. comr., Hartford, rein.-con. paving 5,625 lin.ft. hy. in Westport, to Bridgeport Constr. Co., 35 Milne St., Bridgeport. Est. $60,000. Noted Oct. 11.

New York—A. W. Brandt, comr. Hys., Albany **(e. e. means engineers estimate)** to I. O. Cole, Rochester, bituminous macadam paving 0.67 mi. Cayuga Co., $25,500 e. e. $35,758—to G. D'Angelo, Binghamton, 0.74 mi. Broome Co., $39,218 e.e. $49,387, concrete paving 1.26 mi. Broome Co. $64,-753 e. e. $86,726—to Canty, O'Neil & Candell, 207 Woodward Ave., Buffalo, 1.19 mi. Erie Co. $64,476 e. e: $86,481—to F. Valerio, Stamford, Conn., 14.19 mi. St. Lawrence Co., $699,212 e. e. $946,184—to New Haven Road Constr. Co., 70 College St., New Haven, 3.11 mi. Dutchess Co., $158,681 e. e. $299,851—to Lane Constr. Corp., 37 Colony St., Meriden, Conn., 1.73 mi. Rensselaer Co., $128,742 e. e. $178,034—to Connor Bros., Long Beach Blvd., Long Beach, 5.37 mi. $474,591 e. e. $682,289; 0.49 mi. $53,-461 e. e. $78,174; 2.17 mi. $106,152 e. e. $160,583, all Nassau Co.—to J. Arborio, 59 Center St., New Haven, Conn., 1.62 mi. Ulster Co., $72,761 e. e. $103,785—to J. H. McAllister, Deposit, 6.35 mi. Schenectady Co., $382,860 e. e. $589,241—to R. W. S. Corp., Halesite, 0.57 mi. Nassau Co. $33,517 e. e. $50,922—to Heling Contg. Corp., Lindenhurst, concrete bituminous macadam paving 2.28 mi. Nassau Co., $150,502 e. e. $208,129. Grand total $2,454,426. Noted Oct. 11 and 18.

New York—Nassau Co., Mineola, rein.-con. paving Woodfield Rd. (Brooklyn Ave.), to A. Weston, Inc., Woodmere, $110,665—Roslyn-West Shore Dr., to Crampton Bros., East Shore Rd., Great Neck, $22,979—installing drainage through East Ave. and Archer St., to existing culvert at Freeport, to C. H. Parks, Inwood, $5,524. Grand total $139,168.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to J. V. Turecámo, foot Bay 32nd St., grading Bay 7th St. $4,049; Bay 8th St. $4,958; West 6th St. $4,459; West 13th St. $5,293—to D. J. McCoy Asphalt Co., Avenue U and East 57th St., sheet asphalt paving Bay 7th St., $5,871; Bay 8th St. $5,923; Elton St. $20,-954—to B. Turecamo, New Cropsey Lane, East 3rd St. $9,887; Parrott Pl. $9,998; 20th Ave. $2,658—to M. J. O'Hara, 1228 Park Ave., New York, Narrows Ave., $4,883; Westbury Court $3,669; 17th Ave. $4,551. Grand total $87,153. Noted Oct. 11.

N. Y., Brooklyn—Park Dpt., W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, grading Shore Rd Embankment, to Connors Bros., 929 Albany Ave., $12,000. Noted Oct. 4.

N. Y., Buffalo—Bd. Supervs. Erie Co., County Hall, rein.-con. paving 3.96 mi. Southwestern Blvd., Part 5, to Peoples Paving Co., 1117 Kennington Ave., $159,990. Noted Sept. 20.

N. Y., New York—Park Bd., W. R. Herrick, pres. Arsenal Bldg., Central Park, asphalt paving Riverside Park between 72nd and 129th Sts., to Valatia Constr. Co., 15 East 40th St., $33,093. Noted Oct. 11.

N. Y., Valhalla—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading, paving Bronx Parkway extension, to Smith Bros. Contg. Inc., 5th Ave., Pelham, $66,432. Noted Sept. 20.

N. J., Fort Lee—Bd. Boro Council, Boro Hall, grading, 8 in. rein.-con. paving Brindle Way, to Echo Contg. Co., 485 Main St., $28,630—Virginia Ave., to J. J. McGarry, Gorge Rd., Edgewater, $37,407 — Buckingham Rd., to F. Cavalieri, 2050 Hoyt Ave., $22,600—Crescent Way, to R. C. Pagluighi, Fort Lee, $23,573. Grand total $112,210. Noted July 5.

N. J., Little Ferry—Boro Council, concrete paving Mehrhof Rd. also Heuer and Charles Sts., to C. J. Job, 34 Union Ave., $53,542 and $26,790 respectively.

N. J., Long Branch—Bd. City Comrs., City Hall, paving Cedar Ave., to C. H. Earle, Med. and Delaware Aves., Atlantic City, $62,569. Noted Sept. 27.

N. J., Lyndhurst (br. Rutherford)—Bd. Town Comrs., Town Hall, grading, sewer concrete sidewalks on Kearny St., to J. Domenquez, 16 West Lane, Lodi, $16,428; sewers in Forest and Fern Aves., to A. Weyersberg, 634 Valley Brook Ave., $7,820.

N. J., South Orange—Bd. Village Trustees, Village Hall, paving Turrell Ave., to Hastings Pavement Co., 25 Broad St., New York, $33,672. Noted Oct. 4.

N. J., South Orange — Bd. Village Trustees, Village Hall, paving Underhill Rd., to P. Magliaro, 32 Church St., $29,-598; Laurel Pl., to Magliaro & Mercadante, 310 Valley Rd., $10,185; Holland Ave. and Overhill Rd., to G. Lopre, Amherst St., $15,320. Grand total $55,103. Noted Oct. 4.

Pa., Pittsburgh—Grading, curbing, paving, Oneida and St. Paul Sts., to M. O'Herron Co., South 1st and McKean Sts. $33,358. Est. $40,000.

Md., Baltimore — Bd. Awards, concrete paving 10,200 sq.yd. Contr. 489, to Mahoney Bros., 1111 Rutland Ave., $22,870.

W. Va., Summerville—Nicholas Co., grading 6.725 mi. Duffys Branch-Hickman School Rd., to McComas & Bostie, Huntington, $121,612. Noted Oct. 4.

N. C., Thomasville — Grading, concrete curbing, sidewalks, water and sewer lines, concrete paving 7,100 yd., to Gray Concrete Co., Thomasville, $26,763.

Fla., Miami—City, paving P. V. 96 and 105, to Belcher Asphalt Paving Co., 1217 North Bay Shore Dr., $8,481; P. V. 104 and 106, to Morgan Hill Paving Co., Seybold Bldg., $27,420.

Ala., Birmingham — City Comrs., to Newell Constr. Co., Martin Bldg., cement sidewalks, concrete curbing, guttering, 2 in. asphalt on 6 in. concrete paving 4 blocks 33rd Ave., $22,045; 2 in. asphalt on 6 in. concrete paving 1 block McMillan Ave., $3,861; 1 block 3rd Ave. S., $3,728; 1 block 4th Ave. S., $2,224; 1 block 57th St. $2,717—to Walter J. Bryson Paving Co., American-Traders Bldg., 3 blocks 2nd Pl. S., 10th and 16th Aves., $12,540; 4 blocks Terrace M, Ensley, $13,544; 4 blocks Court M, $15,100; 2 blocks Ave. P, Ensley, and Bay Ave. $6,643; 2 blocks Ave. T, Ensley, $7,874; 4 blocks 9th St. W., and Finley Ave., $14,089; grading, chert surfacing 1 block 8th Ave. S. $2,164—to Sullivan, Long & Haggarty, American-Traders Bldg., grading 2 blocks 4th Ave. S. and 86th St. $1,367—to Reliance Concrete Co., Martin Bldg., 4 in. concrete resurfacing 5 blocks 3rd Ave. and north side of 1st Ave. $3,076—to Morgan-Hill Paving Co., Woodward Bldg., 2 in. asphalt on 6 in. concrete paving 4 blocks Ave. M, Ensley, $14,688; 1 block 22nd St., Ensley, $3,893; 400 ft. 25th and 24th Sts., Ensley, $4,080—cement sidewalks, concrete curbing, guttering, 2 in. asphalt on 6 in. concrete paving 2 blocks Ave. O, Ensley, $8,192—to Independent Paving Co., 3828 1st Ave. S., 2 blocks 4th Ave. S., $9,683; 2 in. asphalt on 6 in. concrete paving 2 blocks 21st St., Ensley, $8,890; 2 in. asphalt on 5 in. concrete paving 1 block 43rd Ave. $2,707—to Fromhold Bros., American-Traders Bldg., 1 block 5th Alley N., $1,333; 2 in. asphalt on 6 in. concrete paving 2 blocks Pulaski St., $8,689—to John Hamm Constr. Co., Lincoln Life Bldg., 1 block 8th Court W., $2,065—to Christie-Hutchison & Burton, American-Traders Bldg., 16th St., $396—to Dunn Constr. Co., Lincoln Life Bldg., 2 blocks 5th St., $7,618—to Southern Roads Co., Pioneer Bldg., 4 blocks 53rd St., $11,381—to J. J. Goddard, 436 Powell Ave., Montevallo Blvd., $1,380—to H. N. Bowdry, Alabama Power Co. Bldg., 1 block 13th Pl., $5,409; cement sidewalks, concrete curbing, guttering, 2 in. asphalt on 6 in. concrete paving 1 block 15th Pl. S. W., $5,831—to Sinclair Transfer Co., 423 17th St., 6 in. concrete paving 1 block 7th Alley W., $1,163. Grand total $208,370. Noted Oct. 18.

Miss., Starkville—State Building Comn., Bd. Supervs. Oktibbeha Co., and State Hy. Comn., at Chancery Clerks Office, concrete paving 29,286 sq.yd. A. & M. College Campus, to Hartman-Clark Bros. Co., Peoria, Ill., $53,409. Noted Oct. 4.

Miss., Columbia—Marion Co., grading, graveling, culverts, bridges on 9.801 mi. Federal Aid Project 202-A, to W. M. Junkin, Natchez, $101,000. Noted Sept. 27.

O., Cincinnati—Recut granite block repaving 33,500 sq.yd. Vine St., to A. J. Henkel, Bell Blk., $143,731. Est. $165,461.

O., Cincinnati—Hamilton Co., grading, tar bound macadam paving 12,600 sq.yd. Elstun Rd. to Byrnes & Conway Co., 212 Hazen Bldg, $63,863. Est. $78,624. Noted Sept. 20.

O., Cleveland—Cuyahoga Co., vitr. brick on 9 in. concrete paving 27,260 sq.yd. Sect. B, Babbitt Rd., and 3 in. vitr. brick on 9 in. concrete paving 16,560 sq.yd. Sect. A, same road, to F. B. Stein, Inc., Babbitt Rd., Euclid, $136,709 and $81,647 respectively.

O., Dover (br. Cleveland)—Concrete paving 6 streets, to Speedway Constr. Co., 3441 Lee Rd., Cleveland, $69,000.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving Du Page Co., to Breedon Bros. Constr. Co., Springfield $32,477—Cook Co., to Chicago Heights Coal Co., 27 East 19th Pl., Chicago Heights, $353,683—Monroe Co., to W. C. Johnson, Belleville, $11,191—Vermilion Co., to R. McCalman, Inc., Danville, $22,554—La Salle Co., to Harrison Eng. & Constr. Corp., Mutual Bldg., Kansas City, Mo., $3,883 — grading Hamilton and Jefferson Counties, to Cameron Joyce Steam Shovel Co., Keokuk, $70,025. Grand total $493,813. Noted July 5 and Sept. 20.

Ill., Edwardsville—Madison Co., grading, concrete slab paving 2.25 mi. Route 1-B, Sect. 50-15d, to H. A. Kribbs, Edwardsville, $47,948, county furnishes Portland cement; 2 bridges, to Varney & Conners, Jerseyville, $2,891. Noted Oct. 4.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., to Bleck Constr. Co., 2123 Vliet St., grading, paving alley between 11th and 12th Sts. $1,637—to Schwerm Bros., 50 Meinecke Ave., alley between 6th and 7th Aves. $534, alley between Buffum and Holton Sts. $2,534, alley between Humboldt and Dousmann Sts. $1,109 alley between 20th and 21st Sts. $3,809, 35th St. Ave. $4,221, 1st St. $714, 62nd St. $9,240, 66th St. $6,816—to J. C. Bluhm & Son, 1299 Achilles Ave., alley between Bremen and Fratney Sts. $1,602, 27th St. $2,331—to A. J. Koch, 1297 Cramer St., 84th St. $11,608—to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., Clinton St. $6,594. Grand total $52,749.

Wis., North Milwaukee—Town Bd., concrete paving 36,633 sq.yd. Creswood Subdivision, to A. E. Retzlaff, 868 Island Ave., Milwaukee, at $1.78 per sq.yd. Est. $70,000.

Iowa — State Hy. Comn., Ames, to W. Horrabin Contg. Co., Iowa City, paving 0.84 mi. Washington Co. $33,881—to Natl. Constr. Co., Omaha, Neb., 4.927 mi. Appanoose Co. $112,820; 11.823 mi. Wayne Co. $275,563; grading 9.048 mi. Keokuk Co., $55,667—to Jones & Hiestan, Lancaster, Wis., graveling 10 mi. Allamakee Co., $13,-140—to C. R. Thompson, Shell Rock, Ia., 8.25 mi. Bremer Co., $16,540—to H. Pickus Constr. Co., Sioux City, 10.02 mi. Bremer Co., $15,664—to Harvey Sand & Gravel Co., Harvey, 1.34 mi. Monroe Co., $3,200—to H. R. Maudlin, Nevada, 4.4 mi. Wright Co., $4,146—to McDougall Constr. Co., Sioux City, 12.6 mi. Jasper Co., $36,984; crushed stone surfacing 3.32 mi. Tama Co., $8,608—to F. T. Patik, Cedar Rapids, grading Jackson Co., $1,762—to G. W. Condon Co., 415 Farnum St., 2.909 mi. Plymouth Co., $8,726; 6.027 mi. Woodbury Co., $22,341—to Swanson Constr. Co., Keokuk, 1.11 mi. Van Buren Co., $17,133—to M. O. Weaver, Iowa Falls, crushed limestone paving 8.4 mi. Jackson Co., $21,528—to G. Henry, Hedrick, 9,442 ft. 6 in. tile drain and 6 type A intakes, Keokuk Co., $1,317. Grand total $649,020. Noted Oct. 11.

Iowa—State Hy. Comn., Ames, grading, drains, paving 115,367 sq.yd. roads in Dubuque Co., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn.—162,-362 sq.yd. Fayette Co., to Harrison Eng. & Constr. Co., Mutual Bldg., Kansas City, Mo. —15,033 sq.yd. Van Buren Co., to Rock Island Cement Co., Rock Island, Ill.—9,555 sq.yd. Washington Co., to McCarthy Impvt. Co., Kahl Bldg., Davenport—108,-624 sq.yd. Chickasaw Co., to Booth & Olson, Inc., Exch. Bldg., Sioux Ctiy—139,862 sq. yd. Muscatine Co., to Central Eng. Co., Sioux City—56,953 sq.yd. Wapello Co., to Wright Constr. Co., 1325 Main St., Des Moines—graveling 10 mi. Clayton Co., and 8.3 mi. Delaware Co., to M. O. Weaver, Iowa Falls—1.86 mi. Keokuk Co., to McDougall Constr. Co., Sioux City—31.14 mi. Linn Co., to Moore & Eldridge, Clemons—14.1 mi. Marion Co., to Harvey Sand & Gravel Co., Harvey—7 mi. O'Brien Co., to Hartsell & Evans, Early—7.18 mi. Tama Co., to C. R. Thompson, Shell Rock, Standard Gravel Co., Des Moines, and McDougall Constr. Co., Sioux City—grading 0.947 mi. Iowa Co., and 0.991 mi. Pottawattamie Co., to G. W. Condon Co., 415 Farnum St., Omaha, Neb. Noted Sept. 13 and 27.

Constr. News page 237

Protection from Fire Hazard

Should begin at

The Engineer's Drawing Board

Common Brick affords better Fire Protection

In every conflagration, for years back, good old common brick has demonstrated its remarkable fire resistance and, in many cases, stopped the onward rush of the conflagration.

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Streets and Roads (Continued)

Ia., Corydon—Wayne Co., grading, 6 in. concrete paving 75,073 sq.yd. Paving Project F-91, to Natl. Constr. Co., 1315 South 24th St., Omaha, Neb., $169,864.

Ia., Newton—Jasper Co. graveling 13,800 cu.yd. Project 99, to McDougall Constr. Co., Sioux City, $36,984.

Ia., Primghar—O'Brien Co., to Hartsell & Evans, Early, improving roads, 9,760 cu. yd. gravel 1 mi. haul at $0.22 and 28 per cu.yd., 39,005 units ½ mi. haul $0.059 and $0.065, 1,000 cu.yd. stripping $0.15. Noted Oct. 11.

Kan., Atchison — Atchison Co., grading, culverts 1.986 mi. Project 4-31-K 693-A, to J. J. Lamoreaux, 3848 Seward St., Omaha, Neb., $18,899; 2 bridges, to Loomis Constr. Co., St. Joseph, Mo., $13,714.

Kan., Garnett—J. G. Simmons, clk. Anderson Co., grading, culverts on Federal Aid Project 304-D, to Frye Bros. Constr. Co., Iola, $33,509. Noted Oct. 4.

Kan., Hoxie—Sheridan Co., grading, culverts also 2 bridges on 2.975 mi. Project 40N-8-FA 318-C, to Meade-Hardman, Alton, $29,717 and $15,336.

Kan., Independence — Montgomery Co., grading, concrete paving 13,567 sq.yd. Sect. E, and 11,817 sq.yd. Sect. F, Federal Aid Project 199, to A. G. Sherwood, Independence, $29,229 and $25,442 respectively. Noted Oct. 4.

Kan., Smith Center—Smith Co., grading, culverts 5.061 Federal Aid Projects 364-C and D, to A. L. Cook, Ottawa, $28,247; 4 bridges, to Kelly & Johnson, Talmo, $16,289. Noted Aug. 30.

Kan., Winfield — Cowley Co. grading 3.879 mi. Federal Aid Project 230-F, to J. H. Hamilton, Bartlesville, Okla., $34,171. Noted Oct. 11.

Neb., Alliance—Grading, sewers, watermains, asphaltic concrete paving 22,500 sq.yd. Paving Dst. 8, to Roberts Constr. Co., 404-5 1st Natl. Bank Bldg., Lincoln, $71,541.

Mo., Jackson—Grading, concrete paving 71 blocks 3 streets, to Service Constr. Co., Cape Girardeau, $42,000. Noted Sept. 20.

Mo., University (br. St. Louis)—Grading, 6 and 7 in. concrete paving 5,166 sq.yd. 4 alleys, to Fehlig-Ferrenbach, 3500 Hickory St., St. Louis, $13,769, est. $16,389—rein.-con. paving 4,450 sq.yd. Crest Ave., to Skrainka Constr. Co., Security Bldg., St. Louis, $14,373, est. $14,400—asphalt on asphaltic concrete paving 3,120 sq.yd. Delmar Blvd., to Central Paving & Constr. Co., 411 North 7th St., St. Louis, $17,000, est. $18,800. $45,142.

Ark., Arkadelphia—Grading, 6 in. concrete paving 36,000 sq.yd. Dist. 5, to H. Brown, North Little Rock, $92,245. Est. $90,000.

Ark., Paris — Grading, curbing, concrete paving 4 mi., to G. Garmes, Rector Bldg., Little Rock.

Texas — G. Gilchrist, state hy. engr., Austin, grading 8.5 mi. Jackson Co. to H. E. Denny, 707 Taft St., Houston, $39,248—1.425 mi. Terrell Co., to L. J. Miles, Fort Worth $44,454—15.164 mi. Blanco Co. to Cage & Ruby, Bishop $92,718—9.685 mi. Comanche Co., to R. B. Sparks, 226 North Brighton St., Dallas $26,189 — 3.621 mi. Panola Co., to Lucas & Lucas, Cushing $25,695—19.005 mi. Chambers Co., to Moeller & Roberts, Hitchcock, $58,106 — 19.783 mi. Archer Co., to McClung Constr. Co., 1309 Ft. Worth Natl. Bank Bldg., Fort Worth $79,441—7.281 mi. Guadalupe Co., to House Popejoy, P. O. 463, Seymour $24,998—24 drainage structures on Hy. 9, Mason Co., to Dozier Constr. Co., Austin Natl. Bank Bldg., Austin $38,202—crushed run limestone or limestone graveling 13.89 mi. Grimes Co., to Dexter Constr. Co., Love Field St., Dallas $144,109—concrete paving 14.73 mi. Carson Co., to Maney & Alley, Oklahoma City, Okla. $227,222—asphaltic macadam paving 12.612 mi. Young Co., to C. C. Moore, Temple $161,468. Grand total $961,850. Noted Oct. 4.

Tex., Laredo—City, A. Martin, mayor, 2 in. hot mix limestone rock asphalt on 6 in concrete paving 67,000 sq.yd., to H. B. Zachry, Laredo, $186,034. Est. $200,000. Noted Nov. 1.

Tex., San Angelo — For 6 in. rein.-con. paving 21,000 yd., to L. E. Whitham & Co., P. O. Box 1292, Wichita Falls, $109,980. Noted Oct. 4.

Okla., Mangum — Grading, paving 7 blocks Carolina Ave., 30 ft., to Standard Paving Co., 2119 East 11th St., Tulsa, $26,010. Est. $26,500.

Okla., Tulsa—For 7 in. concrete paving 8,166 sq.yd. Dist. 898, to Western Constr. Co., Daniels Bldg., $30,093. Est. $34,000.

Colorado — State Hy. Dept., Denver, gravel surfacing 4.1 mi. LaPlata Co., to Hinsman Constr. Co., Denver, $56,344; 6 mi. Mesa Co., to Engler & Teyssier, Durango, $96,775.

Colo., Denver—Dpt. Impvt. & Parks, concrete paving Alley Paving Dist. 179, to Gordon Constr. Co., 31st and Platts Sts., $16,141; Alley Paving Dist. 178, to W. F. Pigg & Son, Commonwealth Bldg., $18,745. Noted Oct. 11.

Nevada—State Hy. Comm., Carson City, grading, crushed graveling Federal Aid Project 97-B, Esmeralda Co., to Isbell Constr. Co., Carson City, $73,681. Noted Oct. 11.

California — State Hy. Comm., Sacramento, grading, bituminous macadam paving 15.4 mi. San Luis Obispo Co., to A. Teighert & Son, 1846 37th St., Sacramento, $150,808. Noted Oct. 4.

California—Solano Co. (Fairfield), Marin Co. (San Rafael) and State Hy. Comm., Sacramento, 2 mi. connection hy. between Vallejo and Napa State Hy., in Solano and Marin Counties, 20 ft., to J. E. Johnston, Stockton, $41,134. Noted Sept. 20.

Calif., Los Angeles — Los Angeles Co., grading, 7- to 10-in. concrete paving 275,952 sq.ft. Anaheim-Telegraph Rd., to G. H. Oswald, 366 East 58th St., $72,355; improving 1st St., C. I. 752, to Gritton & Stephenson, 1102 West 4th St., Santa Ana, $32,926. Noted Oct. 25.

Calif., Redwood City—Grading, curbing, guttering, asphaltic concrete paving Adams St. and Vera Ave., to Peninsula Paving Co., Standard Oil Bldg., San Francisco, $36,118.

Calif., Santa Clara — For 3 in. quarry waste on 6 in. concrete paving Bellomy and Washington Sts., to Raisch Impvt. Co., 46 Kearny St., San Francisco, $24,800.

Calif., Ventura—Ventura Co., grading, oil macadam paving 176,000 sq.ft. Wells and Foothill Rds., day labor.

Public Bond Elections

Coming Bond Elections

Waterworks—Chicago City, Minn., Nov. 6, $20,000.

Waterworks—Long Island, Kan., Nov. 6, $25,000.

Waterworks—Prairie View, Kan., Nov. 3, $17,000.

Waterworks — Abilene, Tex., Nov. 17, $350,000.

Waterworks and Sewers — Port Neches, Tex., Nov. 17, $125,000.

Waterworks — Uvalde, Tex., Nov. 12, $75,000.

Waterworks and Sewers — Erick, Okla., Nov. 1, $125,000.

Waterworks—Gould, Okla., Oct. 30, $59,000.

Waterworks — Luther, Okla., Nov. 23, $32,000.

Pumping Equipment — Waukomis, Okla., Nov. 6, $5,000.

Sewerage System — Chicago City, Minn., Nov. 6, $30,000.

Sewers—Emporia, Kan., Nov. 6, $25,000.

Irrigation Dist.—Brown County, Tex., Dec., $2,000,000.

Irrigation—Cameron County, Tex., Water Impvt. Dist. 14, $160,000.

Roads—Bibb County, Ga., Nov. 6, $500,000.

Street Improvement, Lighting and Airports—Chicago, Ill., Nov. 6, $26,500,000.

Roads—Will County, Ill., Nov. 6, $1,750,000.

Roads—Camden, Ark., Nov. 22, $98,000.

Paving—Abilene, Tex., Nov. 17, $100,000.

Paving—Comanche, Tex., Nov. 20, $50,000.

Roads — Cook County, Tex., Nov. 17, $2,000,000.

Roads—San Patrico County, Tex., Nov. 10, $200,000.

Roads—Coronado, Calif., $80,000.

City and County Building—Detroit and Wayne County, Mich., Nov. 6, $20,000,000.

City Hall — Rochester, Minn., Dec. 11, $350,000.

Court House—Ward County, N. D., Nov. 6, $450,000.

Schools—Alhambra, Calif., $500,000.

Airport—McAlester, Okla., Dec. 4, $50,000.

Bonds Voted

Waterworks—Ulysses, Kan., $40,000.

Waterworks—Granger, Tex., $60,000.

Paving—Brownfield, Tex., $60,000.

Paving—Jackson County, Tex., $80,000.

Paving—Lavaca County, Tex., $350,000.

School—Rhea County, Tenn., $200,000.

High School — Excelsior Springs, Mo., $200,000.

Schools—St. Joseph, Mo., $2,000,000.

Administration Building, Gymnasium and Heating Plant—Davenport, Iowa, $450,000.

Bonds Defeated

Waterworks—Batavia, N. Y., $800,000.

Channel Improvement — Pendleton, B. C., $125,000.

Roads—Fisher County, Tex., $1,400,000.

Bay Front Improvement — Corpus Christi, Tex., $1,250,000 (election cancelled).

Buildings—Industrial

Proposed Work

Mass., Brockton—FACTORY—Owner, c/o W. F. Barlow, Jr., archt., 232 Main St., 3 story, 55 x 160 ft., brick addition, concrete foundation. $100,000.

Mass., Hudson—POWER PLANT—City, Municipal Light & Power Dpt., L. D. Wood, mgr., rein.-con., brick addition to electric power plant, new equipment. $50,000.

Mass., Springfield—SALES and SERVICE GARAGE — Cadillac LaSalle Co., M. J. Duryea, 563 State St., showroom, service garage and office building, State St. $125,000. Engineer and architect not selected.

N. Y., Brooklyn—AUTO LAUNDRY—V. D'Aramzo, 1565 Nostrand Ave., plans by Kleinert & Klie, 250 Park Ave., New York, brick, concrete, 8th Ave. and Windsor Pl. $40,000.

N. Y., Brooklyn — GAS STATION and GARAGE — E. Bender, 930 Fox St., New York, plans by C. Goodman, 375 Fulton St., 2 story, 89 x 125 ft., brick, concrete, East New York and St. Marks Aves. $40,000.

N. Y., Brooklyn—FACTORY—W. J. England, 26 Court St., plans by I. H. Lauzarone, 60 Jefferson St., two 1 story, one 95 x 120 ft. and other 82 x 95 ft. brick, Morgan Ave. and Withers St. $60,000.

N. Y., Brooklyn—FACTORY—Moskowitz & Berman, 221 Belmont Ave., plans by S. J. Fox, 66 Court St., 75 x 86 ft. factory, Van Swinderen and Newport Aves. $100,000.

N. Y., Brooklyn — FACTORY — National Lead Co., E. J. Cornish, pres., 111 Bway., New York, plans by W. Higginson, 101 Park Ave., New York, 1 story, 122 x 172 ft., brick, Marshall and Gold Sts. $225,000.

N. Y., Brooklyn—SERVICE GARAGE—L. Gilman, 1630 Carroll St., plans by F. W. Doyle, 11 John St., New York, 100 x 200 ft. service garage, Fenimore St. and New York Ave. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—A. P. M. Holding Corp., L. Moss, pres., 32 Court St., plans by B. W. Dorfman, 66 Court St., 2 story, 100 x 140 ft., brick, concrete, Hoff St. $75,000.

N. Y., Brooklyn—SERVICE GARAGE—A. B. Kaplan, 26 Court St., plans by W. A. Lacerenza, 26 Court St., 4 story, basement, 56 x 126 ft., brick, concrete addition, Quentin Rd. and East 10th St. $60,000.

N. Y., Brooklyn—SERVICE GARAGE—M. Pape, 66 Court St., plans by M. Klein, 65 Court St., 100 x 189 ft., brick, concrete, Brooklyn Ave. and Rutland Rd. $65,000.

N. Y., Brooklyn—SERVICE GARAGE—S. Straus, 1012 Myrtle Ave., plans by C. Goodman, 375 Fulton St., 95 x 99 ft., brick, concrete, Meeker and Gardner Aves. $40,000.

N. Y., Cortland — SUBSTATION — See "Unclassified under New York."

N. Y., Elmhurst (Ind. sta. Flushing) — HOSIERY MILLS—Propper Silk Hosiery Mills, Inc., 200 Madison Ave., New York, plans by A. Ullrick, 371 Fulton St., Brooklyn, 2 story, rein.-con., Laurel Hill and Baxter Pl. $40,000.

N. Y., Jamaica—GARAGE and REPAIR SHOP—Cranford Coal & Land Co., L. D. Kirby, 163-18 Jamaica Ave., garage and repair shop, 93rd Ave. and 182nd Pl. $48,000.

N. Y., Long Island City — AUTO REPAIR SHOP — W. Levy, 1753 Pitkin Ave., Brooklyn, 1 story, 75 x 100 ft., brick, 22nd St. and 36th Ave. $50,000.

N. Y., Long Island City — SERVICE GARAGE—Mileage Gas Corp., 2 Park Ave., New York, 25 x 85 ft., brick, concrete, Vernon Ave. and 44th Rd. $50,000. Private plans.

N. Y., Maspeth (Ind. sta. Flushing) — FACTORY — Maspeth Liquid Carbonic Corp., Maspeth Ave., altering 1 story, 66 x 130 ft., brick, Maspeth Ave. and Rust St. $40,000. Private plans.

N. Y., New York—FACTORY—J. Cestari, 630 Sackett St., plans by Laura & Proskaner, 391 Fulton St., 2 story, 60 x 100 ft., brick, Sackett St. $40,000.

N. Y., New York—SERVICE GARAGE—Bator Realty Corp., H. E. O'Donnel, pres., 140 Nassau St., plans by W. Shary, 41 Union Sq., 2 story, 120 x 126 ft., brick, concrete, Webster Ave. and Mosholu Parkway. $60,000.

N. Y., New York—SERVICE GARAGE—H. Bernstein, 11 Trinity Pl., New Rochelle, plans by J. J. Gloster, 1440 Bway., 2 story, 99 x 100 ft., brick, concrete, Cromwell Ave. and 170th St. $55,000.

N. Y., New York—SERVICE GARAGE—Dulces Realty Corp., M. Wasserman, pres., 1825 Harrison Ave., plans by A. Pirner, 2742 Tremont Ave., 1 story, 110 x 130 ft., brick, concrete, Westchester and Appleton Aves. $100,000.

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Buildings—Industrial (Continued)

N. Y., New York—SERVICE GARAGE—Lemel Realty Corp., M. Mastel, secy. and treas., 24 Dadworth St., Brooklyn, plans by Gluck & Duma, 400 East Fordham Rd., 2 story, 90 x 108 ft., brick, concrete, 3rd Ave. and 179th St. $40,000.

N. Y., New York—SERVICE GARAGE—A. Rappold, Rockville Center, plans by W. Shary, 41 Union Sq., 2 story, 68 x 125 ft., brick, concrete, Westchester and Olmstead Aves. $40,000.

N. J., Elizabeth—FACTORY—Berman Bros., c/o W. Clifford, Jr., archt., 1177 East Grand St., sketches 2 story, basement, brick, steel, plain found., West Grand St. $40,000.

N. J., Jersey City — REPAIR SHOP — Liberty Auto Radiator Co., 3218 Hudson Blvd., sketches by Flagg & Stades, 665 Newark Ave., 2 story, basement, brick, steel, plain found., 3218 Hudson Blvd. $40,000.

N. J., Jersey City—SHOP and OFFICE—R. G. Maupai Heating Co., 73 South St., sketches 2 story, basement, brick, steel, plain found., 164-66 Central Ave. $50,000. Noted Oct. 25.

Fla., Tampa—CANNING PLANT—F. L. Judd, engr., Tampa Union Terminal Co., preparing plans 2 story, rein-con., 13th and York Sts. $100,000.

O., Cleveland—FOUNDRY—Atlas Fdry. Co., J. H. Bruce, pres., West 69th St. and Wheeling & Lake Erie R.R., plans by A. G. Simon, Hippodrome Bldg., 1 story, 30 x 90 ft., brick, steel addition. $10,000.

O., Cleveland—FACTORY—Interior Finish & Millwork Co., 9517 Meech Ave., 1 story, 30 x 100 ft., brick addition. $40,000.

O., Warren—FACTORY—Aetna Eng. & Fdry. Co. soon takes bids rebuilding brick foundry, destroyed by fire. $50,000.

O., Wooster—LAUNDRY PLANT—Mann Bros. Co. soon takes bids rebuilding 1 story, recently destroyed by fire. $40,000.

Ind., Indianapolis — FACTORY — Acme Tool & Machine Co., 924 Ft. Wayne Ave., general contract 1 story, 40 x 115 ft., brick, steel, Beville Ave. and East Washington St. Est. $43,000.

Ind., Indianapolis—SHOP—S. Johnson, 3668 Central Ave., 1 story, 65 x 135 ft., rein.-con., brick, steel, 3757 North Illinois St. $40,000. Private plans.

Mich., Detroit — FACTORY — A. Kahn, archt., 1000 Marquette Bldg., 2 and 3 story, 575 x 700 ft., rein.-con., brick, steel, plain found., to Otto Misch Co., 159 East Columbus St., for Briggs Mfg. Co., 11631 Mack Ave. Noted Oct. 25.

Mich., L'Anse — HYDRO-ELECTRIC PLANT — Wisconsin-Michigan Power Co., subsidiary North American Edison Co., 60 Bway., New York, hydro-electric plant in Baraga Co. $3,000,000.

Mich., Pontiac—AUTO PLANT—Oakland Motor Car Co., Oakland Ave., plans by A. Kahn, 1000 Marquette Bldg., Detroit, 2 story, 45 x 100 ft., rein.-con., brick addition, plain found. $50,000.

Ill., Chicago — MACHINE FACTORY — General Engineering Works, 340 West Huron St., plans by Weiss & Niestadt, 53 West Jackson Blvd., factory, on 18,000 sq.ft. site, Division and Cicero Sts.

Kan., Kansas City—COLD STORAGE—Cudahy Packing Co., 1321 Jones St., Omaha, Neb., soon takes bids cold storage and freezer addition. $125,000. Private plans.

Neb., Lexington—SUGAR REFINERY—Peoples Sugar Co., N. J. Stringham, Moroni, Utah, sketches sugar refinery, rein.-con., brick. $500,000.

Mo., St. Louis—TRANSFORMER FACTORY, etc.—Wagner Electric Co., 6400 Plymouth Bldg., sketches by Condron & Post, 53 West Jackson Blvd., Chicago, Ill., 1 story, 120 x 300 ft. transformer building, 3 or 5 story, 80 x 120 ft., brick factory and office. $250,000.

Mo., Trenton — POWER and LIGHT PLANT—Burns & McDonnell, engrs., 401 Interstate Bldg., Kansas City, submitted report improving power and light plant, for City.

Texas—REFINERY PLANT—See "Unclassified."

Tex., Wichita Falls—PLANT—American Battery Products Corp., c/o C. V. Chermandy, Wichita Falls, battery plant. $60,000 or more.

Okla., Mooreland — NATURAL GAS PLANT—Cities Service Gas Co., 60 Wall St., New York, improving natural gas plant, installing gas machinery. $40,000. Private plans.

Calif., Berkeley — POWER HOUSE — Regents University California, Class "A" power house, on campus. $400,000 available. Engineer and architect not selected.

Calif., Los Angeles—PRINTING PLANT—Los Angeles Printing Building, Inc., (C. M. Church, interested, 1070 Le Claire St.), sketches by W. D. Lee, 315 East 8th St., 12 story, basement, on 110 x 390 ft. site, 8th and Crocker Sts. $1,500,000.

Calif., San Francisco — PUBLISHING PLANT—Pacific Gravure Co., 639 Stevenson St., 2 story, 125 x 125 ft., concrete, Minna and 4th Sts. $40,000. Engineer and architect not selected.

Que., Grand Mere — PLANT — Fairchild Aerial Surveys Co. of Canada Ltd., 201 Inspector St., Montreal, L. I. Dalton, genl. mgr., plant. $300,000.

Que., Verdun—SUB-STATION—Montreal Light Heat & Power Consolidated, 83 Craig St., Montreal, 3 story, stone, 60,000 hp. substation. $196,000.

Ont., Windsor—FACTORY—Wood Hydraulic Hoist & Body Co., P. Wood, mgr., 1025 Tecumseh Rd., 1 story, 100 x 125 ft., brick, steel addition, Tecumseh Rd. $60,000. Private plans.

B. C., Kilgard — BRICK and TILE PLANT—Clayburn Co. Ltd., 850 Hastings St. W., brick and tile plant additions, new kilns. $350,000.

Bids Desired

Me., South Portland (br. Portland)—SERVICE and REPAIR GARAGE—Hunnewell Estate, c/o Edwards Sales Co., archt., 443 Congress St., Portland, taking bids 1 story, brick, steel, plain found., Main St. $45,000. Noted Oct. 11.

Mass., Lynn—SERVICE and REPAIR GARAGE—Gallant Co., 319 Essex St., taking bids 1 story, 45 x 105 ft., rein.-con., plain found., Essex St. $50,000. G. A. Cornet, 10 Central Ave., archt.

Mass., Milton (br. Boston)—FACTORY—See "Contracts Awarded."

Mass., Waltham (Ind. br. Boston)—GARAGE, OFFICE and REPAIR SHOP—See "Contracts Awarded."

R. I., Providence—REPAIR SHOP—Nov. 3, by Pub. Buildings Dpt., City Hall, 1 and 2 story shop with 7 story tower, brick, plain found. $65,000. T. J. H. Pierce, City Hall, engr. Noted June 28.

N. Y., New York — GARAGE, REPAIR and PAINT SHOP — Interboro News Co., S. Booth, pres., taking bids garage, repair and paint shop, 525 West 52nd St. $200,000. R. G. Cory, 30 Church St., engr. and archt. Noted Oct. 11.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. J., Newark—FACTORY—See "Contracts Awarded."

N. J., West New York—LAMP FACTORY—Lockwood, Green Engineers, Inc., archts. and engrs., 100 East 42nd St., New York, taking bids general contract 3 story, basement, 70 x 180 ft., brick, steel, plain found., 11th Pl. and Schley St., for Brinkerhoff Electric Co., c/o architects. $75,000. Noted Sept. 27.

Ga., Augusta—REFRACTORIES PLANT—See "Contracts Awarded."

O., Cleveland—FOUNDRY—Bd. Educ., F. G. Hogen, dir., taking bids 1 story, brick, steel, 523 Eagle Ave. $40,000. G. M. Hopkinson, Auditorium Garage Bldg., archt.

Mich., Detroit—FACTORY—Fisher Body Corp., General Motors Bldg., taking bids and opens same about Nov. 12, 1 and 3 story, 100 x 650 ft., rein.-con., brick, plain found., Beaubien St., H. E. Beyster, c/o owners, engr.

Texas — REFINERY PLANTS — Texas Co., 720 San Jacinto St., Houston (subsidiary Texas Co., 17 Battery Pl., New York), taking bids at Houston and New York offices, 50,000 bbl. capacity plant at Amarillo, 90,000 bbl. capacity plants at El Paso and San Antonio. Est. $125,000 to $250,000 each. Noted Oct. 18.

Calif., Oakland—FACTORY—Ellison & Russell, engrs., Pacific Bldg., San Francisco, taking bids 1 story, 160 x 200 ft., steel, brick, Livingston St., for Sunset-McKee Sales Book Co., c/o engineers. $60,000. Noted Oct. 11.

Calif., Van Nuys—FACTORY—M. B. Falk, archt., 1008 Washington Bldg., Los Angeles, taking bids 100 x 200 ft., stone, tile aeroplane factory and 50 x 65 ft. galvanized iron paint shop for Bach Aircraft Co., c/o architect. $40,000.

Contracts Awarded

N. H., Hanover—SERVICE and REPAIR GARAGE—Town Bd. Selectmen, 2 story, basement, 50 x 90 ft., brick, plain found., to W. H. Trumbull, Hanover. Est. $50,000. Noted Sept. 20.

N. H., Rochester — MILL — Wyandotte Worsted Co., Main St., 2 story, brick, steel addition, plain found., to W. M. Bailey Co., 88 Broad St., Boston, Mass., $40,000.

Mass., Boston—PLANT-POWER HOUSE—City, J. P. Englert, comr. P. Buildings, completing power house and heating plant, at Charles River Jail, to Banspar Constr. Co., 9 Castleton St., Jamaica Plain, $59,685.

Mass., Haverhill — SERVICE GARAGE, SALESROOM and REPAIR SHOP—Smith Motor Co., 88 Main St., 1 story, 100 x [illegible] ft., brick, steel, plain found., to W. J. Delaney, 283 Essex St., Lawrence. [illegible] $45,000. Noted Oct. 11.

Mass., Mattapan (sta. Boston)—MANUFACTURING—Stedfast Rubber Co., [illegible] Tokio St., 1 story, brick, steel, plain found., 20-26 Tokio St., to Milton Constr. Co., [illegible] Milk St., Boston.

Mass., Milton (br. Boston)—FACTORY—Walter Baker & Co., Adams St., altering 3 story, brick, steel, plain found., Adams St., separate contracts. $40,000. Private plans.

Mass., Peabody—PLANT—Standard Oil Co. of New York, Park Sq. Bldg., Boston, 1 story, irregular sized, brick addition, plain found., Main and Canal Sts., to J. W. Ferris Inc., 11 Peabody Sq. Est. $40,000.

Mass., Rockland—POWER PLANT—W. Underwood Co., 95 Walnut St., Watertown, 1 story, brick, plain found., to Wheelock-Bogue, Inc., 25 Huntington Ave., Boston.

Mass., Uxbridge—MILL—Uxbridge Worsted Co., 2 story, 90 x 100 ft., brick, steel addition, plain found., to Lowell-Whipple Corp., 44 Portland St., Worcester. Est. exceeds $40,000.

Mass., Waltham (Ind. br. Boston)—GARAGE, OFFICE and REPAIR SHOP—J. Totten & Sons, 74 Bacon St., 1 story, 50 x 200 ft., brick, rein.-con., plain found., separate contracts. $50,000. Private plans. Noted Feb. 9.

R. I., Pawtucket—FACTORY—R. I. Textile Co., Prairie Ave., altering and constructing 2 story, 10,000 sq.ft. floor space, brick, timber addition, plain found., to O. D. Purrington & Co., 605 Industrial Trust Bldg., Providence. Est. $40,000 or more.

Conn., Derby—GARAGE, WAREHOUSE and OFFICE, etc. — Standard Oil Co. of New York, garage, warehouse and office building, and bridge, to M. A. Durrschmidt, 100 Main St. Est. $50,000.

N. Y., New York—SERVICE GARAGE—Corporation, c/o S. Knepper, 3124 3rd Ave., 1 story, 62 x 292 ft., brick, concrete, 167th St. and Brook Ave., to Leumas Building Co., 3124 3rd Ave. Est. $40,000.

N. Y., New York—SERVICE GARAGE—Big Four Realty Corp., 311 West 95th St., altering and constructing 4 story addition, 252 West 87th St., separate contracts. $100,000. DeYoung & Moscowitz, 11 East 44th St., archts. Noted Oct. 11.

N. J., Newark—FACTORY—R. G. Smith Tool & Mfg. Co., 245 New Jersey R.R. Ave., 1 story, basement, 90 x 100 ft., brick, steel, plain found., 120 Christie St., separate contracts. $40,000. Private plans. Noted Oct. 18.

N. J., Paterson — BAKERY — Pioneer Baking Co., 120 Getty Ave., general contract 3 story, basement, brick, steel addition, plain found., to C. Sikkelie, 972 East 22nd St. Est. $150,000.

N. J., Paulsboro—MANUFACTURING—Vacuum Oil Co., 61 Bway., New York, four 3 story and two 1 story, brick, steel, rein.-con. manufacturing buildings, to White Constr. Co., 95 Madison Ave., New York. Est. exceeds $150,000.

N. J., Ridgefield—FACTORY—Everseal Mfg. Co., Inc., 250 West 57th St., New York, general contract 2 story, brick, steel, plain found., 467-76 South Broad Ave., to Bonanno Bros., 1827 Bergen Turnpike, North Bergen. Est. $40,000.

N. J., Trenton—TESTING ASSEMBLY and SHIPPING — DeLaevo Steam Boiler Co., Trenton, general contract 1 story, 70 x 215 ft. assembly building, 1 story, 40 x 65 ft. shipping building, brick, steel, to J. A. Ferguson Co., 152 Market St. Est. $150,000.

Pa., Youngwood—MANUFACTURING—Robertshaw Mfg. Co., general contract 1 story, 80 x 140 ft., brick, steel addition, to Austin Co., Union Trust Bldg., Pittsburgh. Est. $40,000.

Md., Highlandtown (Ind. sta. Baltimore) — FACTORY — L. R. White, Jr., archt., Hearst Tower Bldg., Baltimore, 1 and 2 story, 150 x 600 ft., rein.-con., brick, steel, to Consolidated Eng. Co., 20 East Franklin St., Baltimore, for Crown Cork & Seal Co. $40,000. Noted Oct. 11.

Ga., Augusta—REFRACTORIES PLANT—Babcock & Wilcox Co., 85 Liberty St., New York, refractory plant on 16 acre site, separate contracts and day labor. Ultimate cost $1,000,000.

Ala., Birmingham — WAREHOUSE, SHIPPING and LABORATORY — Stockham Pipe Co., 4600 10th Ave. N., 2 story, 104 x 251 ft. warehouse and shipping building, having freight and barrel elevators, and includes train shed for 10 cars, 1 story, 60 x 95 ft. laboratory; 200 ft. concrete roadway, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O.

O., Toledo—ROUND HOUSE—New York, Chicago & St. Louis R.R., A. Rote, ch. engr., West 3rd St. and Lakeside Ave., Cleveland, 1 story, 18 stall, brick, steel

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Buildings—Industrial (Continued)

addition, to Bentley & Sons, 201 Belmont St. Est. $100,000.

Ind., Evansville—POWER PLANT UNIT Graham-Paige Body Co., power plant unit, to Hoffman Constr. Co., Evansville. Est. $65,000.

Ind., Hammond — FACTORY — Gostlin-Meyn-Weiss, 1st Trust Bldg., general contract 1 story, 50 x 150 ft., brick, steel, 386 Calumet St., to F. C. Rowley, 1st Trust Bldg. Est. $40,000.

Ind., Indianapolis — BOILER PLANT — Progress Laundry Co., 428 East Market St., general contract 2 story, basement, brick, steel, here, to M. M. Andrews, 405 Peoples Bank Bldg. Est. $41,000.

Ind., LaFayette—MACHINE SHOP and GARAGE — International-Harvester Co., general contract brick, steel, 2nd and South Sts., to G. E. Dahm, 319 North 26th St. Est. $40,000.

Ind., South Bend — FACTORY — Studebeker Corp., general contract 2 story, 90 x 200 ft., brick, steel, 631 South Main St., to J. Nelson, 212 Monroe Bldg. Est. $50,000.

Mich., Battle Creek — FACTORY — A. Kahn, archt., 1000 Marquette Bldg., Detroit, 1 story, basement, 100 x 400 ft., 1 story each, 88 x 100 ft. and 58 x 100 ft., concrete, brick, steel buildings, plain founds., to R. Sollitt, Battle Creek, for Nichols & Shepard Co., Marshall St. Est. $300,000.

Mich., Detroit—GEAR FACTORY—Detroit Gear & Machine Co., Woodbridge St., 4 story, 70 x 150 ft., rein.-con., brick, plain found., Woodbridge St., to Stokes & Whittingham, Penobscot Bldg. Est. $75,000.

Mich., Grand Rapids—MACHINE SHOP —Hayes Body Corp., 7th and Muskegon Aves., 1 story, 120 x 205 ft., brick, steel, plain found., to Austin Co., 11-243 General Motors Bldg., Detroit. Est. $60,000.

Mich., Highland Park (br. Detroit) — FACTORY—Wood Hydraulic Hoist & Body Co., 7924 Riopelle St., Detroit, 1 story, 50 x 350 ft., brick, steel, plain found., Cardoni Ave., to Otto Randolph, Inc., 53 West Jackson Blvd., Chicago, Ill. Est. $55,000.

Mich., Lansing — FACTORY — Motor Wheel Corp., Saginaw St., 1 story, 200 x 400 ft., rein.-con., brick, steel addition, plain found., to G. Hagemeir, 216 West Lapeer St.

Ill., Chicago — FACTORY — A. Epstein, archt., 2001 West Pershing Rd., 2 story, 76 x 115 ft., 1415-25 West 37th St., to Persons Constr. Co., 1551 East 75th St., for Griffith Laboratories Co., 4103 South La Salle St. Est. $50,000.

Ill., Cicero — PLANT — Hurley Machine Co., West 22nd St. and South 54th Ave., 2 story, 80 x 400 ft. addition, to E. L. Archibald & Co., 111 West Washington St., Chicago. Est. $200,000.

Wis., Milwaukee—POWER HCUSE and FOUNDRY — Sawyer Steel Casting Co., general contract 70 x 70 ft. power house, and 48 x 52 ft. foundry addition, 37th and Mitchell Sts., to Madson, Christenson & Ingbretson, 1289 Natl. Ave.; heating, to Sterling Eng. Co., 1640 Holton St.; roofing, to Winding Roofing Co., 68 East Wisconsin Ave.

Wis., Waukesha — WAREHOUSE — Waukesha Motor Co., steel for 2 story, 44 x 264 ft., brick warehouse, to Wisconsin Bridge & Iron Co., North Milwaukee; brick work, to G. Ward & Son, 334 Maple St.; concrete, to C. Daily & Son, 732 North Grand Ave.; heating, to G. A. Portz, 793 41st St., Milwaukee; crane, to Pawling & Harnishfeger Co., 38th St. and National Ave., Milwaukee.

Wis., Sheboygan — WAREHOUSE — Vobrath Co., D. F. Ries, secy., general contract 1 story, basement, 150 x 150 ft., brick, to Immel Constr. Co., 19 West Division St., Fond du Lac.

Ia., Dubuque — WAREHOUSE — Metz Mfg. Co., 17th and Elm Sts., 3 story, basement, 80 x 137 ft., brick, stone, to R. F. Conlon, Dubuque, $32,500. Est. $60,000. Noted Sept. 20.

Mo., Joplin—PLANT—Meeker Advertising Co., 3rd and Michigan Sts., general contract 2 story factory, to Al. Woods Constr. Co., Joplin. Est. $75,000. Noted Aug. 16.

Tex., Big Springs—REFINERY PLANT —Richardson Refining Co., Big Springs, 5,000 bbl. refining plant near here, topping plant, to Foster-Wheeler Corp., 111 Bway., New York; Jenkins unit, to Graver Corp., Todd Ave., East Chicago, Ind. Total est. $600,000.

Calif., Los Angeles — FACTORY and STORE—Buttress Mfg. Co., 507 Shatto Pl., 2 story, 116 x 165 ft., brick, steel, 2201-15 South San Pedro St., to Moran Co., 740 South Bway., $60,000.

Calif., Monterey—PACKING PLANT—Hovden Packing Co., Ocean View and David Sts., 2 story, rein.-con., to Villadsen Bros., 417 Market St., San Francisco, $50,000.

Calif., Oakland — LAUNDRY — Cakland California Towel Co., 2823 Myrtle St., 1 story, concrete, brick, 28th and Filbert Sts., to McWethy & Greenleaf, 374 17th St., $50,000.

Ont., Guelph — FACTORY — Northern Rubber Co., T. G. Kennedy, mgr., general contract 2 story, basement, 65 x 125 ft., brick, steel addition, Metcalfe St., to A. Vattaglia, c/o owner. Est. $55,000. Noted Sept. 6.

Ont., Hamilton—FACTORY—Norton Co. of Canada, R. C. Douglas, mgr., 3 Beach Rd., 1 story, 100 x 100 t., brick, steel, Beach Rd., to W. H. Cooper, 6 Hughson St. N.; steel, to Hamilton Bridge Co., Hamilton. Est. $45,000.

Ont., Hamilton — FACTORY — Wallace Barnes Co., Sherman and Biggar Sts., 2 story, basement, 65 x 125 ft., brick, steel addition, Sherman Ave., to W. H. Cooper, 6 Hughson St. Est. $50,000.

B. C., Victoria — COLD STORAGE and WAREHOUSE — Victoria Cold Storage & Terminal Warehouse Co. Ltd., 5 story, rein.-con., steel, Ogden Point Docks, to Parfitt Bros. Ltd., 1303 Gladstone Ave., $400,000. Noted Oct. 25.

Buildings—Commercial

Proposed Work

Mass., Brighton (sta. Boston)—APARTMENT—Strathmore Realty Trust, c/o G. N. Jacobs, archt., 37 Province St., Boston, revised plans 4 story, basement, 100 x 155 ft., brick, stone, steel, concrete found., Englewood Ave. Strathmore and Orkney Rds. $350,000-$400,000. Former bids rejected. Noted May 31.

Mass., Brighton (sta. Boston) — FIRE STATION—City of Boston, Fire Dpt., fire station, Chestnut Hill Ave. $150,000 appropriated. Engineer and architect not selected.

Mass., Brockton—BANK—Security Cooperative Bank, B. B. Winslow, chnm. building com., 83 Main St., sketches bank. $150,000. Engineer and architect not selected.

Mass., Brockton—STORE and OFFICE—Majestic Realty Trust Co., J. Alland, treas., 126 Tremont St., revised plans by C. T. Olson, 101 Main St., 1 and 2 story, basement, 80 x 175 ft., brick, limestone, plain found., North Main St. $150,000. Former bids rejected. Noted Oct. 18.

Mass., Roslindale (sta. Boston)—BANK —Suffolk Savings Bank, 1 Tremont St., Boston, sketches by C. G. Loring, 7 Water St., Boston, bank. $150,000.

Mass., Salem — THEATRE — Salem Realty Co., 126 Washington St., plans by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., brick, steel, Essex St. Est. probably $1,000,000.

Mass., Springfield — Directors Y.M.C.A., Chestnut St., plans by Kirkham & Parlett, 25 Harrison Ave., altering and constructing 7 story addition, Chestnut St. and Harrison Ave. $400,000. Noted Feb. 2.

R. I., Woonsocket—APARTMENT—A. I. Darman, 309 Prospect St., apartment, hotel, garage, incl. dance hall and cafeteria, Blackstone and Main Sts. $150,000 or more. Engineer and architect not selected.

N. Y., Brooklyn—APARTMENT—Bernsyle Realty Corp., H. Krieg, pres., 150 East 94th St., plans by A. Millman, 1780 Pitkin Ave., 6 story, 75 x 86 ft., brick, timber, Willoughby and Sumner Aves. $155,000.

N. Y., Brooklyn—APARTMENT—Empire Development Corp., 620 Hopkinson Ave., plans by J. Henkin, 2127 East 1st St., brick, timber, East 34th St. and Kings Highway. $150,000.

N. Y., Brooklyn—APARTMENT—P. T. Eerblin, 1721 Avenue O, plans by J. W. Koch, 1682 Gates Ave., 6 story, 134 x 158 ft., brick, timber, 17th St. and Avenue P. $400,000.

N. Y., Brooklyn — APARTMENT — Harold-Mann Realty Corp., L. Halperin, pres., 26 Court St. plans by Cohn Bros., 361 Stone Ave., 6 story, 165 x 250 ft., brick, timber, St. Marks Ave. near New York Ave. $650,000.

N. Y., Brooklyn — APARTMENT — I. Salmonowitz, 119 Albermarle Rd., plans by Cohn Bros., 361 Stone Ave., 6 story, 90 x 100 ft. apartment, Avenue K and East 12th St. $200,000.

N. Y., Brooklyn — APARTMENT — Sterling Kaye Co., Inc., H. J. Kaye, pres., 26 Court St., plans by Cohn Bros., 361 Stone Ave., 6 story, brick, timber, Colonial Rd. and 71st St. $475,000.

N. Y., Brooklyn—BANK—C. L. Calhoun, archt., 101 Park Ave., New York, soon lets contract 4 story bank, 1602 Kings Highway, for Gravesend Realty Corp., 1601 Kings Highway. $350,000. Noted July 28.

N. Y., Buffalo—CITY HALL—City plans by J. J. Wade & S. W. Jones, archts., Buffalo, and Meyer, Strong & Jones, assoc. archts., 101 Park Ave., New York, city hall. Noted Apr. 19.

N. Y., Jamaica—ARMORY—Armory Bd., Municipal Bldg., New York, national guard armory, or 104th Field Artillery. $1,000,000.

N. Y., New York — APARTMENT — P. Aginsky, 20 Featherbed Lane, plans by H. I. Feldman 415 Lexington Ave., 6 story, 90 x 100 ft., brick, timber, Davidson Ave. and Featherbed Lane. $300,000.

N. Y., New York—APARTMENTS—Chateau Apartments, Inc., H. B. Spier, pres., 17 East 42nd St., plans by G. and E. Blum, 415 Lexington Ave., two 6 story, 54 x 154 ft., brick, timber, 231st St. and Palisade Ave. $400,000.

N. Y., New York—APARTMENT—Corporation, J. J. Lavender, 838 Courtland Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 166 ft., brick, timber, 174th St. and Stratford Ave. $300,000.

N. Y., New York—APARTMENT—Corporation, c/o S. Panzer, 127 West 170th St., plans by J. P. Boyland, 305 East Kingsbridge Rd., 5 story, 77 x 100 ft., brick, timber, Gates Pl. and Mosholu Parkway. $150,000.

N. Y., New York—APARTMENT—Corporation, c/o C. Rosenberg, 3150 Rochambeau Ave., plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, 123 x 132 ft., brick, timber, 205th St. and Parkside Pl. $375,000.

N. Y., New York—APARTMENT—Herco Realty Corp., S. A. Herzog, pres., 299 Madison Ave., plans by Schwartz & Gross, 347 5th Ave., 9 story, 52 x 85 ft., brick, steel, 47 East 64th St. $200,000.

N. Y., New York—APARTMENT—Lynbrook Investment Corp., J. Perlbinder, pres., 332 East 149th St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 161 x 284 ft., brick, timber, Grand Concourse and 168th St. $750,000.

N. Y., New York — APARTMENT — Malex Realty Corp., M. D. Greshut, pres., 522 5th Ave., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, 100 x 100 ft., brick, steel, 1230 Park Ave. $1,000,000.

N. Y., New York — APARTMENT — G. Silverman, 652 East 180th St., plans by F. J. Ross, 4200 White Plains Rd., 6 story, 80 x 120 ft., brick, timber, Bissel and Murdock Aves. $250,000.

N. Y., New York—APARTMENTS—Del Balso Bros., Inc., 1933 West Farms Rd., plans by C. Kreymborg & Son, 2534 Marion Ave., two 4 story, 50 x 87 ft., brick, timber, Leland and Tremont Aves. $150,000.

N. Y., New York — OFFICE — American Red Cross, C. W. Simmons, chn., 598 Madison Ave., office building, Lexington Ave. and 38th St. $500,000. Engineer and architect not selected.

N. Y., New York—STORES, BANK and OFFICE—L. R. Weinberg, 390 West End Ave., plans by H. C. Severance, 36 West 44th St., 20 story, 44 x 188 ft., brick, steel, 400 Madison Ave. $1,250,000.

N. Y., Sunnyside (mail Long Island City) —APARTMENT—Harfin Homes Corp., 45 West 45th St., New York, plans by D. J. Cohan, c/o owner, 6 story, 90 x 95 ft., brick, timber, 43rd Ave. and 43rd St. $210,000.

N. J., Asbury Park — APARTMENT — Asbury Park Guarantee & Mortgage Co., Main Ave., 10 story, basement, brick, steel, plain found., Grand St. and 5th Ave. $500,000.

N. J., Asbury Park — APARTMENT — Owner, c/o E. Klausner, 1210 5th Ave., sketches 9 story, basement, 100 x 100 ft., brick, steel, plain found., Deal Lake Dr. and Park Ave. $350,000.

N. J., Atlantic City—APARTMENT—L. Melon, c/o J. Decker, archt., 14 Northfield Ave., West Orange, 5 story, basement, 50 x 115 ft., brick, steel, plain found., State Ave. $150,000. Noted Oct. 25.

N. J., Atlantic City—APARTMENT—E. Silade, c/o J. Decker, archt., 14 Northfield Ave., West Orange, 10 story, basement, 58 x 114 ft., brick, steel, plain found., Atlantic Ave. and Chelsea St. $300,000. Noted Oct. 25.

N. J., Atlantic City—HOTEL—Owner, c/o L. I. Brooks, archt., 65 Madison Ave., New York, sketches 18 story, 100 x 200 ft., brick, steel, plain found. $2,000,000.

N. J., Bayonne—APARTMENT HOTEL —Midlen & Eisenstadt, 116 East 49th St., 5 story, basement, brick, steel, plain found., West 26th St. from Avenues B to C. $200,000. Engineer and architect not selected.

N. J., Belleville (br. Newark)—HOSPITAL and NURSES' HOME — Bd. Freeholders Essex Co., Market St. and Springfield Ave., Newark, plans by Sutton, Sutton & Calkins, 402 Broad St., Newark, 8 story, basement hospital, 5 story, basement nurses' home, and 2 story, basement service building, all brick, steel, plain founds., County Isolation Grounds. $1,000,000. Runyon & Carey, 31 Fulton St., Newark, co. engrs.

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Buildings—Commercial (Continued)

N. J., Bradley Beach — APARTMENT — J. C. Malone, c/o E. H. Schneider, archt., 3rd Ave., Spring Lake, sketches 3 story, basement, brick, steel, plain found., 410 Brinley Av. $150,000.

N. J., East Orange—APARTMENT—H. Thomas, 101 North Grove St., East Orange, sketches by Warren & Warren, 31 Clinton St., Newark, 4 story, basement, 120 x 172 ft., brick, steel, plain found., 194 Park Ave. $220,000.

N. J., Hackensack — APARTMENT — J. Natale, 725 Adams St., Hoboken, plans by G. Willardt, 411 23rd St., West New York, two 4 story, basement, 90 x 150 ft., brick, steel, plain found., Beech St. $225,000.

N. J., Jersey City—APARTMENT—Gray Street Apartments, Inc., c/o H. Adelman, archt., 494 Bway., 4 story, basemnt, brick, steel, plain found., 36-38 Gray St. $150,000.

N. J., Jersey LABORATORY—Port of New York Authority, 75 West St., New York, bids latter part November, 4 story, basement, 50 x 100 ft., brick, rein.-con., plain found., Fox Pl. and Westside Ave. $250,000. York & Sawyer, 100 East 42nd St., New York, archts. Noted Oct. 11.

N. J., Long Branch — APARTMENT — Owner, c/o M. E. Weiner, archt., 790 Broad St., Newark, sketches brick, steel, plain found., Washington and Hampton Sts. $200,000.

N. J., Long Branch — CONVENTION HALL—Bd. City Comrs. brick, steel plain found., Madison Ave. and Laird St. $700,000. Engineer and architect not selected.

N. J., Lyndhurst (br. Rutherford) — TEMPLE — Adoniron Lodge, F. & A. M. 237, 16 Riverside Ave., sketches by A. L. Vegliante, 42 Passaic Ave., Garfield, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Montclair—LOFT and STORE—Owner, c/o A. E. Ramhurst, archt., 508 Bloomfield Ave., 3 story, basement, brick, steel, Bloomfield Ave. $150,000. Noted Oct. 25.

N. J., Newark—BUSINESS—Owner, c/o A. Peter, archt., 207 Market St., 3 story, basement, brick, steel, plain found. $150,000. Noted Oct. 25.

N. J., Passaic — APARTMENT — See "Contracts Awarded."

N. J., Paterson—BUSINESS—Owner, c/o J. C. VanVlandre, archt., 140 Market St., sketches 3 story, basement, brick, steel, plain found. $150,000.

N. J., Plainfield—STORE—Montgomery Ward Co., 1000 South Monroe St., Baltimore, Md., plans by C. C. Bell, 17 Union Ave. W., Cranford, 2 story, basement, 50 x 250 ft., brick, steel, plain found. $150,000.

N. J., Roselle (Ind. br. Elizabeth) — APARTMENT — K. E. F. Constr. Co., c/o W. L. Finne, archt., 91 Broad St., Elizabeth, 3 story, basement, 70 x 100 ft., brick, steel, plain found., Vine St. and Watson Ave. $150,000. Noted Oct. 25.

Pa., Pittsburgh — HOSPITAL — Falk Clinic & Hospital plans by E. P. Mellon, 350 Madison Ave., New York or Oliver Bldg., hospital, 5th and Lathrop Sts. $750,000.

Pa., Reading—HOTEL—R. H. Meyer, Birmingham, Ala., plans by W. L. Stoddart, 5 East 41st St., New York, hotel, 5th and Washington Sts. $2,000,000.

Md., Baltimore—GARAGE—Owner, c/o J. E. Sperry, archt., Calvert Bldg., 6 story, concrete, brick, steel, Mulberry and State Sts. $500,000. H. F. Doeleman, 516 North Charles St., engr.

Va., Richmond—OFFICE—Central Natl. Bank, 3rd and Broad Sts., plans by Eberson & Eberson, 200 West 57th St., New York, and Carneal & Johnston, Electric Bldg., 15 story, basement, 61 x 145 ft. L shaped 4 story, 26 ft. front wing, banking house and office building, Broad and 3rd Sts. $1,500,000.

Ga., Atlanta—PASSENGER STATION—Nashville, Chattanooga & St. Louis Ry., H. McDonald, ch. engr., 930 Bway., Nashville, Tenn., plans by McDonald & Co., archts. and engrs., Southeastern Trust Co., 2 story, 112 x 150 ft., brick, steel, rein.-con., Wall and Pryor Sts. $500,000.

Fla., Jacksonville—WAREHOUSE—Firestone Tire & Rubber Co., South Main St., Akron, O., plans by Mark & Sheftall, assoc. archts., Clark Bldg., 4 story, 150 x 180 ft., rein.-con., brick, steel, stone, Adams and Lee Sts. $225,000.

Ala., Birmingham—OFFICE—Owner, c/o H. Wheelock, archt., Steiner Bldg., soon takes bids 16 story, 50 x 140 ft., steel, terra cotta, concrete, 7th Ave. and 20th Sts. $1,000,000.

Ala., Mobile — OFFICE — Merchants Securities Corp., St. Francis St., plans by Warren, Knight & Davis, Empire Bldg., Birmingham, 17 story, 65 x 85 ft., brick, steel, rein.-con., St. Joseph and St. Francis Sts. $750,000.

Miss., Gulfport—THEATRE—J. W. Billingsley, engr., Interstate Bank Bldg., New Orleans, La., soon lets contract 92 x 150 ft., rein.con., brick, steel, hollow tile, stucco, concrete found. 23rd Ave., for Markham Theatre. $200,000.

La., Bogalousa—THEATRE—Pine Tree Amusement Co., 134 Carondelet St., New Orleans, plans by Favrot & Livaudais, Hibernia Bank Bldg., New Orleans, 1 story, balcony, rein.-con., brick, steel, concrete found., Columbia St. $150,000.

La., Plaquemine — LODGE — Plaquemine Council, Knights of Columbus, plans by W. R. Burk, Balter Bldg., New Orleans, 2 story, 34 x 117 ft., brick, Main St. $150,000.

Ky., Louisville—HOTEL—A. E. Black & Co., P. Compton, representative, Lauderman Bldg., St. Louis, Mo., altering and constructing 18 story, basement, 72 x 150 ft., rein.-con., brick addition, and 250-car garage, 218 West Bway. $2,400,000. Private plans.

O., Cleveland—APARTMENT HOTEL—Company, c/o G. J. Feiss, c/o Superior Foundry Co., 3542 East 71st St., sketches by S. H. White, 1032 Schofield Bldg., 7 story, basement, 32 x 150 ft., concrete, brick, steel, Lake Ave. and West Blvd. $500,000.

O., Cleveland — GARAGE — A. Brudno, c/o Imperial Leaf Tobacco Co., 1281 West 9th St., plans by M. Weis, Union Bldg., 4 story, basement, 42 x 90 ft., brick, rein.-con., West 4th St. $150,000.

O., Cleveland—HOTEL—Cleveland Hotel Co., M. J. Van Sweringen, pres., plans by Graham, Anderson, Probst & White, Ry. Exch. Bldg., Chicago, Ill., 10 story, basement, brick, steel, concrete addition, Public Square. $4,000,000. Noted Sept. 22, 1927.

O., Cleveland — PUBLIC GARAGE — Huron Road Garage Co., c/o A. Sogg, archt., 3030 Euclid Ave., 3 story, basement, 80 x 128 ft., rein.-con., brick, Huron Rd. $150,000.

O., Lakewood (br. Cleveland)—APARTMENTS—Greenwich Realty Co., 3625 East 146th St., Cleveland, plans by M. Weis, 617 Union Bldg., Cleveland, two 3 story, basement, brick apartment. $150,000.

O., Norwalk — STORE, OFFICE and THEATRE — Melba Amusement Co., J. H. Soloman, 1167 7th St., Lorain, plans by J. F. Steffens, Fidelity Mortgage Bldg., Cleveland, 3 story, basement, 66 x 250 ft., brick, steel, concrete. $200,000.

Ind., Indianapolis—HOTEL—M. White, Indianapolis, plans by H. Z. Dietz, 609 Chamber of Commerce Bldg., 6 story, basement, 45 x 100 ft., brick, steel, terra cotta, 947 North Pennsylvania St. $200,000.

Ind., Terre Haute — Y. M. C. A., S. E. Huffman, 644 Ohio St., local secy., new building. $500,000. Engineer and architect not selected.

Mich., Flint—RECREATION—J. B. Pengelly, Pengelly Bldg., plans by G. Bachman, 512 Flint P. Smith Bldg., 3 story, basement, 96 x 235 ft., rein.-con., brick, steel, stone, plain found., Harrison St. $150,000.

Mich., Fordson—THEATRE—Owner, c/o P. R. Pereira, archt., 701 Polk Directory Bldg., Detroit, 2 story, basement, 98 x 100 ft., rein.-con., brick, steel, plain found. $150,000.

Mich., Pontiac—HOTEL—B. Albert, 1033 Vernor Highway, Detroit, 3 story, basement, 60 x 100 ft., brick, stone, plain found., South Blvd. $150,000. Private plans.

Ill., Chicago — HOSPITAL — Midwest Homeopathic Midwest Institute, c/o G. B. Ellison, 35 East Wacker Dr., sketches by Betts & Holcomb, 32 West Randolph St., 4 story, brick, Garfield and Western Aves. $900,000.

Ill., Chicago—INDUSTRIAL MUSEUM—South Park Comrs., 5700 Cottage Grove Ave., rejected bids on revised plans reconstructing old Fine Arts Building into Julius Rosenwald Industrial Museum, 57th St. in Jackson Park. Graham, Anderson, Probst & White, 80 East Jackson Blvd., archts. Noted Apr. 12.

Ill., Chicago—STORE—Mundie & Jensen, archts., 39 South La Salle St., soon takes bids 6 story, basement, 45 x 120 ft., brick, steel, stone, caisson found., 114-118 South State St., for Mid-West Apparel Co., c/o architects.

Wis., South Milwaukee—FIRE, POLICE and JAIL—City plans by Davis & Tuckwell, 377 National Ave., Milwaukee, 2 story, basement, 60 x 115 ft., brick.

Kan., Norton—COURT HOUSE—Norton Co. sketches by Cuthbert & Suehrk, 735 Kansas Ave., Topeka, 3 story, concrete, brick, stone. $200,000.

Kan., Topeka—APARTMENT—Virginian Arms Holding Co., c/o H. M. Guy, 320 West 1st St., plans by Bowling & Stank, 1198 Arcade Bldg., St. Louis, Mo., 10 story, basement, rein.-con., brick, stone, terra cotta, 10th and Topeka Aves. $750,000. W. J. Knight & Co., 902 Wainwright Bldg., St. Louis, Mo., engrs.

Mo., Kansas City—HOSPITAL—Jackson Co. plans by F. C. Gunn, 1108 Continental Bldg., 3 and 4 story, basement, rein.-con., brick, stone hospital. $500,000.

Mo., St. Louis—APARTMENT—Paramount Constr. Co., 904 Chestnut St., 15 story, basement, 85 x 200 ft., rein.-con., brick, stone, terra cotta, 4436 Lindell Blvd. $1,000,000.

Mo., St. Louis—APARTMENT—Sovereign Building & Investment Co., A. A. Sloed, pres., c/o N. B. Howard & N. C. Finney, archts., International Life Bldg., sketches 18 story, basement, rein.-con., brick, stone, terra cotta apartment, inc. 2 story, 150-car garage, on 125 x 246 ft. site, Lindell Blvd. east of Euclid Ave. $1,250,000.

Tex., San Antonio—BANK and OFFICE—Alamo Natl. Bank, c/o E. L. Brown, pres., 128 West Commerce St., bids after Jan. 1, 22 story, basement, rein.-con., brick, steel, Commerce, Market and St. Mary's Sts. $1,250,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., archts. Noted Oct. 18.

Tex., Victoria—HOTEL—G. L. Bruner, 434 Bedell Bldg., San Antonio, soon takes bids 10 story, part basement, 65 x 162 ft., brick, steel, rein.-con., plain found. $300,000. J. G. Becker, 33 West Beauregard St., San Angelo, archts.

Okla., Tulsa — STORE — Halliburton-Abbott Co., L. E. Abbott, pres., 421 South Main St., sketches 10 story, basement, 100 x 140 ft., rein.-con., brick, plain found., 5th St. $1,000,000.

Calif., Calexico — HOTEL — Eastman & Stanford, c/o E. Rahn, archt., 3921 West 6th St., Los Angeles, sketches 100 room, frame, stucco hotel. $175,000.

Calif., La Jolla — APARTMENTS — Owner, c/o C. Strothoff, archt., 2274 15th St., San Francisco, two 3 story, frame, stucco apartments. $250,000.

Calif., Los Angeles — APARTMENT — Charlemagne Corp. plans by MacDonald & Bryant, 316 Spring Arcade Bldg., 10 story, incl. 230 rooms, art store, laundry, 100 car garage, on 175 x 230 ft. site Cherokee and Yuca Sts. $700,000.

Calif., Los Angeles — APARTMENT — Owner, c/o R. Long, archt., 1004 South Plymouth Blvd., sketches 8 story, stone, stucco, Sycamore Ave. between 1st and 2nd Sts. To exceed $150,000.

Calif., Los Angeles—APARTMENT—A. Lempz, c/o P. Stockigt, archt., 3140 Sunset Blvd., 4 story, basement, 98 x 105 ft., rein.-con., Detroit St. $150,000.

Calif., Los Angeles—APARTMENT—L. A. Rose, 143 Plymouth Blvd., plans by M. Maltzman, 609 Union Bank Bldg., 4 story, basement, 100 x 139 ft., brick, stone, Alvarado St. between Ocean View and 6th Sts. $350,000.

Calif., Los Angeles — STORE and APARTMENT—I. Siegel, c/o M. Maltzman, archt., Union Bank Bldg., 6 story, basement, 115 x 125 ft., brick, 10th St. and Gramercy Blvd.

Calif., San Francisco—SERVICE—Pacific Gas & Electric Co., 245 Market St., service buildings, incl. shops, meter repair department, Mission Dist. $100,000. Private plans.

Calif., Santa Maria—HOTEL—Frances & Wilson, c/o G. C. Burnett, archts., Citizens Bank Bldg., Los Angeles, 3 story, basement, 60 x 180 ft., L shaped, rein.-con., stucco. $150,000.

Bids Desired

Mass., Boston — OFFICE — Nov. 14, by United Shoe Machy. Co., 205 Lincoln St., S. W. Winslow, Jr., chn. Building Comn., 24 story, basement, 200 x 220 ft., brick, steel, limestone, 138-162 Federal St. Est. exceeds $150,000. Parker, Thomas & Rice, 177 State St., archts. French & Hubbard, 210 South St., engrs. Noted Oct. 4.

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Milton (br. Boston) — SERVICE and REPAIR GARAGE — See "Contracts Awarded."

Mass., Quincy (Ind. br. Boston)—STORE, OFFICE, etc.—See "Contracts Awarded."

R. I., Narragansett Pier (P. O. Narragansett)—CLUB—Dunes Club, Inc., taking bids 2 story, irregular sized, brick, rein.-con. clubhouse. $150,000. K. Murchison, 101 Park Ave., New York, archt.

R. I., Newport—INSTITUTE—E. and M. Wetmore, Newport, bids about Dec. 1, Seaman's Institute. $150,000. F. R. King, 25 Vanderbilt Ave., New York, archt.

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Buildings—Commercial (Continued)

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Central Islip—WARD—Nov. 21, by Dpt. Mental Hygiene, Capitol, Albany, male ward buildings, units 1 and 2, male dining room and kitchen building at New York State Hospital, on Crooked Hill Rd.

N. Y., Flushing — APARTMENT — See "Contracts Awarded."

N. Y., Long Island City—APARTMENT — See "Contracts Awarded."

N. Y., Middletown — HOSPITAL — Nov. 14, by Dpt. Mental Hygiene, Capitol, Albany, employees building and infirmary at Middletown State Homeopathic Hospital. Noted Aug. 9.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York — APARTMENT and STORAGE — See "Contracts Awarded."

N. Y., New York—COURT HOUSE—Nov. 7, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Children's Court House, Grand Blvd., Concourse, and McClellan St., Bronx Boro. Noted Aug. 30.

N. Y., New York—HOTEL—See "Contracts Awarded."

N. Y., Ogdensburg — PAVILION — Nov. 14, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, tuberculosis pavilion at St. Lawrence State Hospital; adv. E. N.-R. Nov. 1.

N. Y., Willard—HOSPITAL—Nov. 21, by Commissioner Dpt. Mental Hygiene, Albany, psychiatric reception building, Willard State Hospital. Noted June 7.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Highland Park—APARTMENT and STORE—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT and STORE—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—APARTMENT—P. Singer & A. Brach, archts., 6 Park Pl., bids about Dec. 1, 4 story, basement, 84 x 100 ft., brick, steel, plain found., for M. Kerris, Military Park Bldg., $175,000. Noted May 24.

N. J., Newark—ARMORY—Com. of Institutions & Agencies, State Office Bldg., West Hanover St., Trenton, taking bids, general contract altering and constructing 4 story, basement, 100 x 232 ft., brick, steel addition, plain found., Roseville Ave. $150,000. M. N. Shoemaker, 15 Central Ave., archt. Noted Oct. 11.

N. J., Newark—COURT HOUSE—Dec. 4, by G. C. Bergen, purch. agt. Essex Co., Hall of Record Bldg., altering, renovating court house, 13th Ave., High and Market Sts. Guilbert & Bettelle, Chamber of Commerce Bldg., archts. Runyon & Carey, 31 Fulton St., consult. engrs. Noted Oct. 4.

N. J., Newark—GARAGE—See "Contracts Awarded."

N. J., New Brunswick — OFFICE and STOREROOM—See "Contracts Awarded."

N. J., Orange — APARTMENT — A. P. Nucciarone, archt., 206 Central Ave., bids about Nov. 15, general contract 5 story, basement, 120 x 145 ft., brick, steel, plain found., 280 Central Ave., for H. C. Cassini, c/o architect. $200,000. Noted Sept. 27.

N. J., Orange — APARTMENT — J. Zingalli, Glen Ridge Ave., Montclair, taking bids general contract 4 story, basement, 90 x 132 ft., brick, steel, plain found., Washington and North Center Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt.

N. J., Orange—BANK and STORE—E. H. Fougner, archt., 197 Market St., Newark, taking bids, general contract 2 story, basement, 65 x 120 ft., brick, steel, plain found., South Center St. and Central Ave., for Orange Natl. Bank, 282 Main St. Est. $150,000. Noted Oct. 25.

N. J., Orange—OFFICE and STORE—E. H. Fougner, archt., 197 Market St., Newark, taking bids 2 story, basement, 120 x 130 ft., brick, steel, plain found., Main and Day Sts., for Main Day Corp., F. Murray, 142 Cleveland St. $150,000. Noted Oct. 25.

N. J., Paterson—HALL OF RECORDS and JAIL—Bd. Freeholders Passaic Co., Court House, bids about Nov. 15, 8 story, basement, 175 x 200 ft., rein.-con., brick, steel, plain found., Grand and Spring Sts. $500,000. H. B. Crosby, 125 Ellison St., archt. Noted Sept. 27.

N. J., Paterson—F. W. Wentworth, archt., 140 Market St., bids about Nov. 15, general contract 3 story, basement, 115 x 140 ft., brick, steel, plain found., Ward and Prince Sts., for Y.M.C.A., 141 Ellison St. $750,000. Noted Oct. 11.

N. J., Red Bank — APARTMENT and GARAGE—See "Contracts Awarded."

N. J., Union City—BANK and OFFICE—F. Hensel, 254 Summit Ave., Union City, and W. Neuman, 40 Journal Sq., Jersey City, assoc. archts., taking bids, general contract 2 story, basement, 50 x 100 ft., brick, steel, plain found., 15th St. and Summit Ave., for North Hudson Natl. Bank, c/o architects. Noted July 19.

Pa., Phila.—APARTMENT—Nov. 10, by L. Haupt & R. N. Dippy, archts., 1600 Walnut St., brick, steel addition, plain found., 35th and Race Sts., for Hampton Court Apartments, c/o architects. $175,000.

Pa., Phila.—APARTMENT—M. Orocofsky, 5824 North 13th St., taking sub-bids 4 story, basement, 80 x 170 ft., brick, steel, plain found., Chelten and 17th Sts. $300,000. B. M. Schlein, 6605 North 18th St., archt.

Pa., Phila.—APARTMENT and STORE—B. Cohen & Son, 109 South 9th St., taking sub-bids 10 story, basement, 35 x 100 ft., brick, steel, plain found., 129-31 South 11th St. $200,000. Cashland & Beard, Chester, archts.

Miss., Hattiesburg—HOTEL—Nov. 8, by Forest Hotel Co., c/o Secretary Chamber of Commerce, 8 story, mezzanine, basement, 46 x 160 ft., rein.-con., brick, terra cotta. $500,000. G. D. Barnett, 913 Syndicate Trust Bldg., St. Louis, Mo., archt. E. C. Herron, Hattiesburg, assoc. archt.

La., Shreveport — APARTMENT — See "Contracts Awarded."

O., Troy — BANK — First Troy Natl. Bank, W. E. Boyer, pres., Market St., bids about Jan. 1, 4 story bank, South Market St. $150,000. Hopkins & Dentz, 415 Lexington Ave., New York, archts.

Mich., Detroit—HOSPITAL—J. G. Kastler Co., archts., 524 Detroit Savings Bank Bldg., taking bids and open same about Nov. 20, 4 story, basement, 60 x 150 ft., rein.-con., brick, steel, stone, plain found., West Chicago Blvd., for Pingree General Hospital, 10049 Grand River Ave. Noted Oct. 11.

Mich., Detroit — MASONIC TEMPLE — Nov. 5, by S. E. Remey, archt., 1139 Griswold St., 2 story, basement, 100 x 102 ft., concrete, brick, steel stone, plain found., Kercheval Ave. $150,000.

Mich., Flint—AUDITORIUM—Nov. 9, by Industrial Mutual Assn., Industrial Bank Bldg., 1 story, 70 ft. high, 200 x 260 ft., brick, steel, plain found., East 2nd Ave. $500,000. Smith, Hinchman & Grylls, 800 Marquette Bldg. Detroit, archts.

Ill., Chicago — APARTMENT — A. H. Quitsow, archt., 228 North La Salle St., taking bids 3 story, English basement, 150 x 176 ft., brick, stone, Touhy and Paulina Aves., for C. Pegeler, 134 North La Salle St. $275,000.

Wis., Milwaukee — OFFICE — Guglers Lithographic Co., 687 Milwaukee St., taking bids 8 story, 90 x 125 ft., brick, steel, Milwaukee and Ogden Sts. $700,000. E. Gugler, 101 Park Ave., New York, archt.

Minn., Minneapolis—BANK and OFFICE—Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., bids about Nov. 7, 16 story, brick, steel for Northwestern Natl. Bank, Marquette Ave. $2,000,000. Noted Apr. 19.

Tex., Beaumont—Nov. 19, by Committee Y.M.C.A., c/o T. N. Whitehurst, chn. building comn., 4 story, part basement, 100 x 125 ft., brick, rein.-con., plain found. $350,000 Tisdale, Stone & Pinson, 1103 Goodhue Bldg., archts. Noted Oct. 18.

Tex., Galveston — OFFICE — American Natl. Insurance Co., care S. Moody, pres., taking bids 11 story, basement, 43 x 84 x 120 ft., rein.-con., steel, plain found. $600,000. A. Fraser, 624 Amer. Insurance Bldg., archt. Noted June 14.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles — CLUB HOUSE — Weston & Weston, archts., 1610 Cosmo St., taking bids 3 story, basement, 80 x 180 ft., rein.-con., Highland Ave., for Hollywood Post of American Legion. $165,000. Noted May 4.

Calif., Los Angeles—HOSPITAL—A. C. Martin, archt., Higgins Bldg., taking bids 4 story, basement, 60 x 140 ft., rein.-con., Glendale Blvd., for Monte Sano Hospital Corp., 3824 Glendale Blvd.

Calif., Sacramento—BANK—See "Contracts Awarded."

Contracts Awarded

N. H., Nashua—HOTEL—The Tavern, c/o J. H. Gile, 19 Main St., altering 5 story, basement, brick, plain found., to C. T. Maxim, 7 Bennett St. Est. $150,000. Noted Oct. 4.

Mass., Boston—SALES and SERVICE—Packard Motor Car Co., A. MacAuley, pres., Grand Blvd., Detroit, 4 story, 95 x 225 ft., steel, rein.-con., limestone addition, plain found., to F. T. Ley & Co., Inc., Statler Bldg., Boston. To exceed $40,000. Noted Sept. 27.

Mass., Cambridge (br. Boston)—APARTMENT — Allen & Shapiro, c/o Blackall, Clapp & Whittemore, archts., 31 West St., Boston, 4 story, basement, 85 x 185 ft., brick, stone, plain found., to Allen Bros., 24 School St., Boston. Est. exceeds $150,000. Noted Oct. 11.

Mass., Lynn—APARTMENT—Palmer & Bartram, 31 Exchange St., 3 story, basement, 40 x 220 ft., brick, plain found., 13 Franklin St., separate contracts. $150,000. B. E. Porter, 73 Tremont St., Boston, archt.

Mass., Milton (br. Boston) — SERVICE and REPAIR GARAGE — M. Greenspan, 161 Devonshire St., Boston, 1 story, rein.-con., brick, steel, plain found., separate contracts. $50,000. Noted June 28.

Mass., Quincy (Ind. br. Boston)—STORE, OFFICE, etc.—Dunbar Contg. Co., D. Siegel, pres., 73 Cornhill, Boston, 3 story, basement, 85 x 105 ft., brick, stone store, office and bowling alleys, plain found., 417-23 Hancock St., Norfolk Downs Sect., separate contracts. $150,000. M. Louis, 73 Cornhill, Boston, archt.

N. Y., Brooklyn — APARTMENT — J. Carner, Inc., 16 Court St., apartments, Nostrand and Farragut Aves., separate contracts. $185,000. M. Rothstein, 186 Joralemon St., archt. Noted Oct. 4.

N. Y., Brooklyn — APARTMENT — Corporation, c/o A. Desposito, 2914 West 33rd St., 6 story, apartment, 92nd St. and Ridge Blvd., to Andesp Building Corp., 2914 West 33rd St. Est. $300,000.

N. Y., Brooklyn—APARTMENT—Witsfield Building Corp., 180 East 7th St., 4 story, 76 x 120 ft., brick, timber, East 94th St. and Foster Ave., separate contracts. $150,000. J. Fein, 1773 Pitkin Ave., archt.

N. Y., Brooklyn — HOSPITAL — Harlow Realty Corp., I. Bloom, pres., 50 Court St., 4 story hospital, Kings Highway and East 26th St., to Chanin Constr. Co., 285 Madison Ave. Est. $200,000. Noted Sept. 20.

N. Y., Flushing — APARTMENT — A. Nicoletti, 26 Court St., 6 story apartment, separate contracts. $350,000. B. Braunstein, 26 Court St., Brooklyn, archt. Noted Oct. 11.

N. Y., Glens Falls—EXCHANGE—New York Telephone Co., 140 West St., New York, 2 story, 60 x 90 ft. exchange, to White Constr. Co., 95 Madison Ave., New York. Est. exceeds $150,000 incl. equipment.

N. Y., Jamaica—CLUB—Jamaica Chamber of Commerce, 10 story club, Harriman Ave., to Kaye Constr. Co., 356 Fulton St., Brooklyn. Est. $500,000. Noted May 31.

N. Y., Long Island City—APARTMENT—Two Hundred Twenty-Five Adelphi Street Corp., 27 Cleveland Court, 6 story, 87 x 150 ft., brick, timber, separate contracts. $175,000. Private plans. Noted Oct. 11.

N. Y., New York—APARTMENT—Central Park Properties, Inc., A. E. Lefcourt, pres., 1351 Bway., 19 story, 200 x 202 ft., brick, steel, to A. E. Lefcourt, 1351 Bway. Est. $4,000,000. Noted Oct. 4.

N. Y., New York—APARTMENT—Corporation, c/o W. Gullman, 119 West 40th St., 19 story apartment, 74th St. and Park Ave., to Bing & Bing, 119 West 40th St. Est. $1,200,000.

N. Y., New York—APARTMENT—P. W. Investment Co., 505 5th Ave., 15 story, 25 x 170 ft., brick, 337 Central Park West, to E. A. Levy Constr. Co., 505 5th Ave. Est. $1,000,000. Noted Oct. 4.

N. Y., New York — APARTMENT — J. Elanes, 386 Bway., 13 story, 25 x 92 ft. apartment, 1 East 88th St., to Ade Building Corp., 386 Bway. Est. $300,000.

N. Y., New York — APARTMENT — One Forty-Nine East 47th St. Corp., T. Crimmins, pres., 734 Lexington Ave., 15 story, 155 x 200 ft., to G. Richard Davis & Co., 10 East 41st St. Est. $1,500,000. Noted Oct. 18.

N. Y., New York—APARTMENT—Two Hundred Thirty-Seven East 20th Street Corp., J. L. Meyers, pres., 175 Lexington Ave., 9 story, 77 x 121 ft. apartment, separate contracts. $450,000. C. B. Meyers, 31 Union Sq., archt. Noted Oct. 11.

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Buildings—Commercial (Continued)

N. Y., New York — APARTMENT and STORAGE — Hoover Realty Corp., C. Kane, pres., 6 story, brick, steel, St. Nicholas Ave. and West 174th St., separate contracts. $175,000.

N. Y., New York — HOTEL — Harby, Abrons & Melius, 285 Madison Ave., 40 story, 18,000 sq.ft. floor space, brick, steel, 58th St. and 6th Ave., separate contracts. $5,000,000.

N. Y., New York—OFFICE, STORE and LOFT—Five Hundred Thirty 7th Ave. Corp., L. Adler, pres., 550 7th Ave., 30 story, 107 x 146 ft. brick, steel, 528 7th Ave., to Shroder & Koppel, 420 Lexington Ave. Est. $2,500,000. Noted July 4.

N. Y., New York—PUBLISHING PLANT —H. W. Wilson & Co., publishing plant, 162nd St. and University Ave., to White Constr. Co., 95 Madison Ave. Est. exceeds $250,000.

N. J., Camden—STORE—W. T. Grant Co., 455 7th Ave., New York, general contract 2 story, basement, 135 x 140 ft., brick, steel, plain found., to Fearn & Voegtein Co., 233 North 41st St. Est. $150,000. Noted Sept. 20.

N. J., East Orange—APARTMENT—Washington Towers, Inc., 564 Main St., 6 story, basement, brick, steel, plain found., Washington St., separate contracts. $400,000. M. Fischer, 564 Main St., archt. Noted Oct. 25.

N. J., Highland Park—APARTMENT and STORE—Peoples Building Constr. Co., F. Gumina, pres., 1218 Sanford St., New Brunswick, 5 story, basement, 50 x 100 ft., brick, steel, plain found., Raritan and 5th Aves., separate contracts. $175,000. H. G. Bach, 63 Schureman St., New Brunswick, archt. Noted Oct. 18.

N. J., Jersey City—APARTMENT—B. Clott, 129 Stevens Ave., 5 story, basement, 86 x 125 ft., brick, steel, plain found., 115-17 Fairview Ave., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., archt. Noted Oct. 25.

N. J., Jersey City—APARTMENT and STORE—Greater New York Housing Corp., J. Richnatz, 1123 Bway., New York, fifteen 3 story, 20 x 75 ft. brick, steel, plain found., Clendinning Ave. Mallory and Roosevelt Sts., separate contracts. $250,000. C. H. Zeigler, 75 Montgomery St., archt. Noted Oct. 4.

N. J., Newark—APARTMENT—A. Lipton, 13 Broad St., Bloomfield, 5 story, basement, 75 x 100 ft., brick, steel, plain found., Franklin St., separate contracts. $150,000. Kasoff & Flatt, 164 Market St., archts. Noted Oct. 25.

N. J., Newark—GARAGE—Clinton Street Garage, Inc., 247 Market St., 7 story, basement, 55 x 120 ft., brick, steel, plain found., 65-67 Clinton St., separate contracts. $200,000. Former bids rejected. G. Jones, 24 Commerce St., archt. Noted Sept. 20.

N. J., New Brunswick — OFFICE and STOREROOM—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, 90 x 158 ft., brick, steel, plain found., Baldwin St. and Railroad Ave., separate contracts. $150,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archts. Noted Oct. 11.

N. J., Passaic — APARTMENT — Penn Prospect Arms, Inc., 2 Lexington Ave., 4 story, basement, 75 x 125 ft., brick, steel, plain found., 32-4 Pennington Ave., separate contracts. $150,000. Preiskel & Skvarla, 2 Lexington Ave., archt. Noted Oct. 11.

N. J., Paterson—GARAGE—R. Atkins, 411 East 41st St., general contract 1 story, basement, 155 x 200 ft., brick, steel, rein.-con., plain found., to G. DeRonde & Sons, Wilson St., Totowa, $150,000. Noted Oct. 4.

N. J., Red Bank — APARTMENT and GARAGE—East Front Street Co., G. Stillman, Eatontown, 4 story, basement, 85 x 100 ft., brick, steel, plain found., East Front St., separate contracts. $175,000. M. Kraut, 3010 Hudson Blvd., Jersey City, archt.

Pa., Pittsburgh—APARTMENT—J. McSorley, 5526 Hobart St., 4 story, basement, 100 x 140 ft., brick, steel, Wightman St., separate contracts. $350,000. J. A. Ferguson, Empire Bldg., archt.

Pa., Pittsburgh — APARTMENT — P. O. Miller, Majestic Bldg., Detroit, Mich., general contract 8 story, basement, brick, steel, Aiken and Center Sts., to H. Miller & Sons Co., 2565 5th Ave. Est. $500,000.

D. C., Wash. — HOSPITAL — Casualty Hospital, J. D. Rogers, pres. Bd. Directors, 4 story addition to Casualty Hospital, 8th and B Sts. N. E., to Wardman Constr. Co., 16th and H Sts. N. W. Est. $200,000. Noted Oct. 25.

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Ga., Milledgeville — HOSPITAL — Trustees Georgia State Sanitarium, 3 story, basement, rein.-con., brick, steel, plain found., to Wagar & Co., Norris Bldg., Atlanta, $283,330. Est. $300,000. Noted Sept. 20.

La., New Orleans—Y. M. C. A. 224 North Rampart St., 2 story, 60 x 230 ft., brick, wood pile found., North Rampart St., to R. P. Farnsworth, Maritime Bldg., $237,515. Noted Mar. 29.

La., Shreveport—APARTMENT—J. B. White, 5616 Gaston St., Dallas, Tex., 3 story, 66 x 106 ft., rein.-con., brick, separate contracts. $160,000. W. I. Cole, 305 Central Bank Bldg., Dallas, Tex., archt. Noted Oct. 4.

Tenn., Memphis — BANK — Hanker & Cairns, archts., 123 South Court St., 3 story, basement, 150 x 150 ft., concrete, granite, steel, concrete pile found., to S. & W. Constr. Co., Shrine Bldg., $800,000. Noted Sept. 27.

O., Cleveland — HOSPITAL — Cleveland Clinic Assn., A. Perkins, secy., East 93rd St. and Euclid Ave., 8 story, basement, 51 x 109 ft., concrete, brick, steel addition, to Lundoff-Bicknell Co., B. F. Keith Bldg. Est. $300,000.

O., Columbus—SAFETY—W. H. Duffy, dir. Service, 5 story, basement, octagon shaped, 17,000 sq.ft. floor space, brick, stone, concrete, to Boyajohn & Barr, 299 South Park St., $598,866. Noted Sept. 13.

Ind., Indianapolis—APARTMENT—Consolidated Building Corp., 730 Knights of Pythias Bldg., general contract 2 story, basement, 40 x 82 ft., brick, steel, stone, 1711 College Ave., to Smith Martin, 1254 West 35th St. Est. $150,000.

Mich., Detroit—OFFICE TERMINAL—Detroit International Bridge Co., 730 21st St., 1 and 2 story, basement, 45 x 175 ft., 20 x 33 ft., 12 x 60 ft., rein.-con., brick, steel, stone, incl. customs office, excise and detention buildings, plain found., to W. E. Wood Co., 1805 Ford Bldg. Est. $150,000. Noted Oct. 4.

Mich., Saginaw — HOTEL — Saginaw Hotels Co., Franklin Hotel, 3 story, 97 x 135 ft., concrete, brick, steel addition, plain found., Genesee St., to Johnston Bromwell, Inc., 250 West Lafayette Ave., Detroit. Est. $150,000.

Ill., Chicago — APARTMENT — H. L. Morse, archt., 155 North Clark St., masonry and carpentry contract 3 story, English basement, 150 x 152 ft., to Wilbur & Lantz, 2555 Morse Ave., for G. Cubely, 4528 North Lincoln St. Est. $200,000. Noted Oct. 4.

Ill., Chicago — APARTMENT — H. L. Morse, archt., 155 North Clark St., masonry and carpentry contract 3 story, English basement, 61 x 165 ft., to L. A. Gorman Co., 38 South Dearborn St. Est. $225,000. Noted Oct. 11.

Ill., Chicago — APARTMENT, STORE and OFFICE—G. D. Bockus & V. A. Hachel, 7554 South Shore Dr., masonry contract 4 story, 110 x 135 ft., brick, 7102-10 Jeffrey Ave., to A. C. Larsen & Son, 7339 South Shore Dr. Est. $350,000.

Ill., Evanston—CAFETERIA—Bd. Educ., general contract 3 story cafeteria addition to school to R. Sollitt & Sons Constr. Co., 228 North La Salle St., Chicago. Est. $200,000. Noted June 21.

Ill., Highland Park — CLUB — R. E. Pingrey & Co., archts., 134 South La Salle St., Chicago, general contract 2 story, brick, steel addition, to B. W. Constr. Co., 720 Cass St., for Exmoor Country Club, 4223 West Lake St., Chicago. Est. $150,000. Noted Oct. 4.

Wis., Beloit — THEATRE, STORE and APARTMENT—Fischer Paramount Theatre, Inc., 36 South State St., Chicago, Ill., 3 story, basement, 130 x 170 ft., brick, stone, rein.-con., to P. J. Lorenz, 506 15th St., Moline, Ill.

Wis., Milwaukee—APARTMENT—Holabird & Root, archts., 333 North Michigan Ave., Chicago, Ill., general contract 15 story, incl. 4 story tower, basement, irregular shaped, East Wells St., to C. F. Haglin & Sons Co., 226 Lumber Exch. Bldg., Minneapolis, Minn., for P. Cudahy Estate, 97 East Wisconsin Ave. Est. $850,000. Noted Aug. 23.

Wis., Milwaukee—BANK—Badger State Bank, Fond du Lac Ave., concrete and masonry contract 2 story, basement, 120 x 132 x 196 ft., brick, plain found., Fond du Lac and North Aves., to W. T. Buchholz Co., 1083 Sherman Blvd. Est. $200,000. Noted Aug. 9.

S. D., Sioux Falls—THEATRE—Eighth Street & Phillips Avenue Building Corp., C. Look, pres., general contract 11 story, basement, 132 x 150 ft., rein.-con., brick, stone, 8th St. and Phillips Ave., to Reliable Constr. & Investment Co., 310 South Michigan Ave., Chicago, Ill. Est. $1,000,000. Noted Aug. 2.

Mo., Kansas City—ORPHANAGE—G. Orphans Home, 3 story, basement, 8[illegible] x 239 ft., rein.-con., brick, 81st St. and W[illegible]nell Rd., to H. H. Fox, 3101 East 30th St. Est. $200,000. Noted Oct. 25.

Mo., Kansas City—TEMPLE—Keene & Simpson, archts., 1105 Land Bank Bldg., and 8 story, basement, 130 x 200 ft., rein.-con., stone, Linwood Blvd., to Swens[illegible] Constr. Co., Shuber Bldg., for Scottish R[illegible] Temple, c/o 3800 State Line. Est. $1,5[illegible]000. Noted Sept. 6.

Ark., Ft. Smith—HOTEL—O. Griffith [illegible]al., c/o M. Boulicault, archt., 1101 Ambassador Bldg., St. Louis, Mo., 11 story, basement, 70 x 150 ft., rein.-con., brick, terra cotta, Garrison Ave. and 6th St., to Glassel Wilson Co., Inc., 919 Texas St., Shreveport, La. Est. $60,000. Noted Sept. 20.

Ark., Little Rock—STORE and OFFICE —A. N. McAnich, c/o Southwest Title & Marble Co., North Little Rock, 5 story, 40 x 50 ft., brick, concrete, 321 West 2nd St., to Gordon Walker, Capitol Hill Apartments.

Colo., Denver — COURT HOUSE and CITY HALL — Manager Improvement and Parks, City and Denver Co., 5 story, basement, 273 x 435 ft., granite ,stone, stucco, steel, rein.-con., to Varnum & Bate, 2311 10th St., $4,242,871. Noted Apr. 19.

California—CANTEENS—National Canteen Co., c/o D. Stone, archt., 354 Hobart St., Oakland, seventy 2 story, frame, stucco, in cities along Pacific Coast, to H. Knight, 1819 Franklin St., Oakland, $360,000.

Calif., Calexico — HOTEL — Calexico Hotel Co., 4 story, basement, steel, rein.-con., 3rd and Rockwood Sts., to O'Neil Constr. Co., H. W. Hellman Bldg., Los Angeles, $300,000.

Calif., Los Angeles — APARTMENT — Dimsdale & Maltzman, 609 Union Bank Bldg., 4 story, basement, 60 x 139 ft., timber, brick, 508 South Serrano St., separate contract, $175,000. M. Mattyman, 609 Union Bank Bldg., archt. A. Maltzman, taking sub-bids.

Calif., Los Angeles—APARTMENT—H. J. Fleming, 5 story, basement, 60 x 140 ft., steel, North Fuller Dr., to Gayer Constr. Co., 825 Title Insurance Bldg., $175,000.

Calif., Los Angeles—APARTMENT—W. B. Hess, 426 Merchants Natl. Bank Bldg., 6 story, basement, 93 x 136 ft., steel, rein.-con., Beverley Blvd. and Bonnie Brae St. Owner builds. $300,000.

Calif., Los Angeles — APARTMENT — A. L. Gindling, 3230 Sunset Blvd., 6 story, basement, 50 x 117 ft., steel, tile, rein.-con., 4649 Beverly Blvd., separate contracts, $200,000. Hillier & Sheet, 328 Story Bldg., engrs. and archts. Owner taking sub-bids. Noted Oct. 4.

Calif., Los Angeles — APARTMENT — King & Friedman, 6161 Whitworth Dr., Carthay Center, 4 story, 70 x 125 ft., brick, timber, 9th and Gramercy Pl. Owner builds. $175,000. Private plans. Owner taking sub-trade bids.

Calif., Los Angeles — APARTMENT — Reed & Delbridge, 127 West Santa Barbara Ave., 8 story, basement, 60 x 150 ft., rein.-con., South Wilton Pl., to Davis Constr. Co., 117 West 9th St., $200,000.

Calif., Los Angeles — APARTMENT — A. L. Rouda, 418 Lissner Bldg., 7 story, basement, 60 x 135 ft., rein.-con., South Hobart St., day labor. $200,000.

Calif., Los Angeles—APARTMENT—L. A. Rose, 143 North Plymouth Blvd., 4 story, basement, 60 x 139 ft., stucco, stone, Mariposa St. between 6th St. and Wilkshire Blvd., separate contracts. $175,000. M. Maltzman, 609 Union Bank Bldg., archt.

Calif., Los Angeles—APARTMENT—M. A. Viner, 4214½ West Adams St., 4 story, basement, 50 x 136 ft., brick, tile, 209 South Mariposa. Owner builds. $150,000.

Calif., Los Angeles—STORE and APARTMENT—F. A. Enders, 1633 Cherokee St., 8 story, 50 x 122 ft., rein.-con. Cherokee St., to A. T. Lane, 253 S. Bway., $225,000. Noted Oct. 25.

Calif., Los Angeles—WAREHOUSE—W. B. Hess & Co., 426 Merchants Natl. Bank Bldg., 8 story, 55 x 146 ft., rein.-con., 1020 Santee St., to P. A. Palmer Co., Insurance Exch. Bldg., $225,000.

Calif., Pasadena—APARTMENT—Wallis & Wallis, 953 North Edinburg St., 6 story, basement, 74 x 127 ft., brick, steel, stone, concrete, Pasadena Ave. Owner builds. $176,000. Private plans. Owners taking sub-bids.

Calif., Sacramento — BANK — Bank of Italy, 2 and 3 story, steel, concrete, terra cotta, segregated contracts under supervision H. A. Minton, archt., Bank of Italy, and L. H. Nishkian, engr., 525 Market St., both San Francisco. $200,000. Noted July 26.

Buildings—Commercial (Cont.)

Calif., San Diego—MERCANTILE—Fox Gaynes Investment Co., 4 story, basement, 100 x 100 ft., rein.-con., 6th and Bway. Sts., to Scofield-Twaits Co., Pacific Finance Bldg., Los Angeles, $300,000. Noted June 21.

Calif., Santa Cruz—HOTEL—Santa Cruz Hotel Corp., c/o W. H. Weeks, archt., Hunter-Dulin Bldg., San Francisco, 6 story, basement, concrete, Pacific Ave., to C. N. Swenson, 1256 Washington Ave., San Jose, $300,000. Noted Oct. 25.

B. C., Vancouver—OFFICE—Coast Investment Corp. Ltd., 2 or 4 story, 52 x 120 ft., rein.-con., terra cotta, Pender and Howe Sts., to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St., $150,000-$200,000.

Buildings—Educational, Religious

Proposed Work

N. H., Laconia—CHURCH—St. Joseph's Roman Catholic Church, T. Redding, pastor, plans by J. J. O'Shaughnessy, 80 Boylston St., Boston, Mass., and soon takes bids 1 story, basement, brick, stone, plain found., Church St. $150,000. Noted July 26.

Mass., Allston (sta. Boston)—LIBRARY—City of Boston, Library Dpt., plans library. $125,000-$175,000. Engineer and architect not selected.

Mass., Concord—SCHOOL—R. E. Fenn, Bryant Paine House, private school, Monument St. and Carr Rd. $150,000. Private plans.

Mass., Lynn—HIGH SCHOOL—City, H. S. Gruver, supt. schools, plans by C. I. Betton, 31 Exchange St., Eastern Junior High School, 20 room, brick, steel addition and auditorium, Porter St. $350,000.

Mass., Winchendon—SCHOOL—Town, R. Callahan, chn., new school. $150,000. Engineer and architect not selected.

R. I., Providence — CHURCH — Fourth Baptist Church, A. B. Mercer, pastor, 62 Rochambeau Ave., church, 734 Hope St. $150,000 or more. Engineer and architect selected soon.

R. I., Warwick — SCHOOL — Town, c/o C. Christie, 1044 Main St., West Warwick, 2 story, basement, brick, stone, plain found., Centerville Rd. $150,000. Engineer and architect not selected.

N. Y. Brooklyn—SCHOOLS—Bd. Educ., 500 Park Ave., New York, bids late in November, 4 story, 179 x 235 ft., school, 16th Ave., 42nd and 43rd Sts., $1,500,000; 4 story 179 x 182 ft. Lenox Rd. and East 39th St., $535,000. Noted Oct. 4.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., 4 story, 179 x 183 ft., brick, Avenue S and West 5th St. $880,000.

N. Y., Brooklyn — SYNAGOGUE — Congregation Ahavath Israel of Midwood, Inc., H. Reiss, pres., 1094 East 29th St., plans by Faber & Kalkin, 1746 Pitkin Ave., 1 story, 45 x 90 ft., brick, steel, Avenue K and 29th St. $150,000.

N. J., Bloomfield — VOCATIONAL SCHOOL—Essex Co. Vocational, Bd. Educ., 969 Broad St., Newark, sketches by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Manville—SCHOOL—Bd. Educ., W. W. French, dist. clk., Anwell Rd., Bloomingdale, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000. Noted Oct. 25.

N. J., Millburn—HIGH SCHOOL—Bd. Educ., Township Hall, sketches by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, brick, steel addition, plain found., Old Short Hills Rd. $175,000. Noted July 5.

Del., Harrington — SCHOOL — Delaware School Foundation, A. J. Taylor, vice.-pres., Du Pont Bldg., Wilmington, plans by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., 2 story, basement, brick, steel elementary and high school, plain found. $200,000. Noted Oct. 25.

Del., New Castle—HIGH SCHOOL—Bd. Educ., Delaware School Foundation, A. J. Taylor, vice pres., Du Pont Bldg., Wilmington, plans by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., Junior and Senior High School, 2 story, basement, brick, steel, plain found. $250,000. Noted Oct. 18.

N. C., Winston-Salem — CHURCH — Centenary-West End Methodist Church, plans church. $1,000,000.

Ga., Atlanta—SUNDAY SCHOOL—First Presbyterian Church, F. M. Inman, chn. building comn., plans by A. Ten Eyck Brown, Forsyth Bldg., and bids about Dec. 15, 4 story, rein.-con., Sunday school and new tower. $150,000. A. Barili, Jr., Forsyth Bldg., assoc. archt. H. Upjohn, Grand Central Terminal, New York, consult. archt.

Miss., Columbus—SCHOOL ECONOMICS and DORMITORY—Mississippi State College for Women, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., soon takes bids 2 and 3 story, rein.-con., brick, stone. $550,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted June 28.

Ind., South Bend — CHURCH and SCHOOL—Holy Cross Catholic Church, plans by C. E. Miller, 210 Union Trust Bldg., 2 story, 132 x 162 ft., rein.-con., brick, stone, Wilber St. near Vassar St. $150,000.

Ill., Blue Island—SCHOOL—Bd. Educ. sketches by Perkins, Chatten & Hammond, 160 North La Salle St., Chicago, 2 story, basement, brick addition, Maple and High Sts. $350,000.

Ia., Cedar Rapids — GYMNASIUM — Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, Ill., soon lets contract 2 story, basement, 144 x 246 ft., brick, steeel, stone, for Coe College. $250,000. Noted Aug. 23.

Mo., St. Louis — CHURCH, SUNDAY SCHOOL and APARTMENT — Parkview Christian Church, c/o B. L. Morris, pastor, 3936 Fairview Ave., bids early in 1929, 10 story, basement, 100 x 150 ft., rein.-con., brick, stone, terra cotta, 2801 South Kingshighway. $750,000. Klingenschmidt & Wilkins, 1217 Louderman Bldg., archts.

Mo., St. Louis — HOME FOR AGED — Lutheran Altenheim, 1906 Lafayette Ave., bids in spring 3 story, rein.-con., brick, stone, Hall's Ferry Rd. near Bway. $150,000. T. P. Barnett Co., Arcade Bldg., archt. Noted July 5.

Calif., Burbank—BIBLE INSTITUTE—Christian Church, c/o E. De Vore, 124 West 6th St., Los Angeles, campaign $1,000,000, bible institute, on 10 acre site, Country Club Blvd. and Walnut Ave. Site donated. Engineer and architect not selected.

Calif., Chico—SCHOOL—State Building Comn., Sacramento, soon takes bids 2 story, 75 x 320 ft., brick, timber, rein.-con. administration building, State Teachers College. $35,000. G. B. McDougal, Sacramento, state archt.

Calif., Los Angeles—HIGH SCHOOLS—Los Angeles School Dist., plans by E. H. Cline, Petroleum Securities Bldg., 63 x 138 ft. classroom building, one 60 x 135 ft. shop building, incl. mechanical work shop and woodworking department, both rein.-con., North Record St. $150,000.

Calif., San Francisco—COMMUNITY—Jewish Community Center, S. M. Ehrman, in charge, Nevada Bank Bldg., fireproof community building. $500,000. P. Bush, 101 California St., engr.

Ont., Toronto—EXHIBITION—Canadian Natl. Exhibition, Lumsden Bldg., 1 and 2 story, rein.-con., brick, steel, plain found., Exhibition Park. $1,000,000. Engineer and architect not selected.

Bids Desired

Vt., Burlington—SCHOOL—St. Joseph's Roman Catholic Church, N. Proulx, pastor, taking bids 3 story, basement, 140 x 160 ft., brick, stone, plain found., Allen St. To exceed $150,000. F. L. Austin, 240 College St., archt. Noted Sept. 20.

Mass., Medford (br. Boston)—CHURCH—Nov. 5, by Ripley & Le Boutiller, archts., 45 Bromfield St., Boston 1 story, basement, 70 x 160 ft., Fellsway, for St. Francis of Assisi Roman Catholic Church, T. J. Goldberg, pastor.

N. Y., New York—SCHOOL—Nov. 8, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 104, Shakespeare Ave. and West 172nd St., for Bd. Educ., 500 Park Ave. Noted Oct. 11.

N. J., Blairstown—SCHOOL—Nov. 8, by Bd. Educ., Blairstown Twp., R. R. Blair, dist. clk., at Hose House, 2 story, basement, brick, rein.-con. high and grade school. J. J. Vreeland, Dover, engr. Noted Sept. 27.

N. J., Bloomingdale—SCHOOL—Nov. 5, by Bd. Educ., W. W. French, dist. clk., Anwell Rd., 2 story, basement, brick, steel, plain found., Anwell Rd. $150,000. A. Merchant, 52 Paterson St., New Brunswick, archt.

N. J., Cliffside—SCHOOL—Bd. Educ., Palisade Ave., bids about Nov. 15, 2 story, basement, rein.-con., brick, steel, plain found., West Grantwood Sect. $350,000. R. J. Cadien, 545 Gorge Rd., Grantwood, archt. J. N. Pierson, 198 Jefferson Ave., Perth Amboy, assoc. archt. Noted July 19.

N. J., Dunellen — SCHOOL — Bd. Educ., Old New Market Rd., bids about Nov. 15, on revised plans 3 story, basement, 90 x 160 ft., brick, steel, plain found., 1st St. and Lincoln Ave. $200,000. A. M. Korff, 203 Park Ave., Plainfield, archt. Noted Oct. 11.

N. J., Little Ferry—SCHOOL—Bd. Educ., Main St., bids about Nov. 15, 2 story, basement, brick, steel addition to Washington School, plain found. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archt. Noted Aug. 23.

N. J., Livingston—SCHOOL—Nov. 7, by Bd. Educ., Central School, general contract 2 story, basement, 62 x 162 ft., rein.-con., brick, steel, plain found., Livingston Ave. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts.

N. J., Newark — CHURCH — F. K. Koengsberger, archt., 48 Walnut St., bids about Dec. 1, general contract 1 story, basement, brick, steel, plain found., 14th St. and Avon Ave., for Czecko Slovak Lutheran Church of Holy Trinity. $150,000. Noted Aug. 16.

N. J., Paterson—SYNAGOGUE—Nov. 14, by F. W. Wentworth, archt., 140 Market St., 2 story, basement, brick, steel, plain found., Bway and 33rd Ave., for Temple Emanuel. $150,000. Noted Sept. 20.

N. J., Trenton — HIGH SCHOOL — Bd. Educ., City Hall, bids about Feb. 1, Central Senior High School, 2 story, basement, brick, steel, plain found., Chambers and Hamilton Aves. $3,000,000. E. Sibley, Bluff Rd., Palisade, archt. Noted June 14.

N. J., West Orange—SCHOOL—Bd. Educ., Northfield Ave., bids about Nov. 15, 2 story, basement, brick, steel, plain found., Northfield Rd. and Sheridan Ave. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted Sept. 6.

Pa., Lancaster — LABORATORY — Nov. 14, by C. Z. Klauder, archt., 1429 Walnut St., 3 story, basement, 50 x 159 ft., rein.-con., brick, steel, plain found., campus, for Franklin & Marshall College. $250,000.

Miss., Starkville—COLLEGE—Nov. 22, by C. H. Lindsley, archt., Lamar Life Bldg., Jackson, 4 story, 55 x 136 ft. experiment station, 3 story, 63 x 207 ft. boys dormitory with 1 story, 62 x 98 ft. service wing, 3 story, 63 x 190 ft. agricultural building, all rein.-con., brick, tile, terra cotta, for Mississippi Agricultural & Mechanical College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy. Noted Oct. 11.

La., Independence — HIGH SCHOOL — Tangipahoa Parish School Bd., c/o W. J. Dunn, supt., Amite, bids about Nov. 10, 2 story, rein.-con., brick, stone high school. $150,000. R. H. Goodman, Bank of Baton Rouge, Baton Rouge, archt. Noted Sept. 27.

D. C., Wash. — GYMNASIUM-ASSEMBLY HALL — Nov. 2, by District Comrs., District Bldg. combination gymnasium and assembly hall, and 12 room school.

Mich., Detroit — CONVENT — J. W. O'Connor, archt., 162 East 37th St., New York, taking bids and open same about Nov. 1, 3 story, basement, 45 x 200 ft., rein.-con., plain found., Santa Marie Ave., for Societe Marie Reportrie, 69 Burlingame Ave.

Mich., Flint—SCHOOL—Nov. 7, by H. L. Hills, bus. mgr. Bd. Educ., 2 story, basement, rein.-con., brick, plain found., incl. 17 class rooms, gymnasium, Van Buren Ave. $250,000. Malcolmson & Higginbotham, 1219 Griswold St., Detroit, archts.

Ill., Des Plaines—HIGH SCHOOL—Bd. Educ. School Dist. 207, bids about Nov. 8, 3 story, basement, irregular sized, brick, stone, incl. gymnasium, Dempster St. and Potter Rd. $700,000. J. D. Chubb, 109 North Dearborn St., Chicago, archt.

Mo., Maplewood (br. St. Louis)—HIGH SCHOOL—Bd. Educ., J. J. Bridell, pres., 7415 Flora St., bids about Nov. 24, 2 story, basement, rein.-con., brick, stone, high school. $195,000. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted July 26.

Mo., St. Louis—VOCATIONAL SCHOOL—Bd. Educ., 911 Locust St., bids about Feb. 1, (1st unit) vocational school 5 story, basement, rein.-con., brick, stone, steel, Grand Blvd. $1,500,000. Total $3,250,000. R. M. Milligan, c/o Bd. Educ., engr. and archt. Noted Apr. 26.

Mo., University (br. St. Louis)—HIGH SCHOOL—Bd. Educ., A. Fairbank, pres. Bd. Educ., bids about Nov. 15 (1st unit), 3 story, basement, rein.-con., brick, stone, terra cotta, Jackson Rd., Dorsett and Shaftsbury Sts. $550,000. Total $1,000,000. Ferrand & Fitch, 6188 Delmar Blvd., and Trueblood & Graf, 1517 Chemical Bldg., St. Louis, archts. Noted Sept. 13.

Tex., Beaumont—HIGH SCHOOL—Nov. 12, by Bd. Educ., M. E. Moore, pres., Weiss Bldg., 3 story, 164 x 323 ft. high school, and 1 story, 89 x 107 ft. gymnasium, brick, steel. $900,000. F. W. Steinman & Son, 410 San Jacinto Life Bldg., archts. Noted Oct. 18.

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Buildings—Educational, Religious (Cont.)

Tex., Waco—DORMITORY—Baylor University, c/o S. P. Brooks, pres., bids about Jan. 1, 4 story, part basement, brick, rein.-con., plain found. $350,000. B. D. Easterbrook, 614 Liberty Bank Bldg., archt. H. L. Spicer, Amicable Bldg., engr. Noted Oct. 18.

Calif., San Francisco—REST HOME—H. H. Gutterson, archt., 526 Powell St., taking bids 4 and 5 story, Class "A," 19th Ave. and Sloat Blvd., for Christian Scientist Benevolent Assn., c/o architect. $1,000,000.

Contracts Awarded

Mass., Winchester—SCHOOL—Town, Superintendent Schools, 83 Church St., altering and constructing 2 story, basement, brick addition, plain found., to Frankini Bros. Co., 30 Mystic Ave., Medford. Est. $150,000. Noted Oct. 4.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P.S. 92, c/o E. Waters & Co., Inc., 1482 Bway., $628,950. Noted Oct. 18.

N. Y., Tompkinsville (sta. Staten Island)—COLLEGE—Wagner College, 631 Serpentine Rd., college, to O. F. Koehler, 75 Cebra St. Noted Sept. 6.

Pa., Aspinwall (mail Pittsburgh)—GYMNASIUM—Shadyside Academy, Pittsburgh, general contract 2 story, brick, steel, Fox Chapel Rd., to Cuthbert Bros., Bessemer Bldg., Pittsburgh. Est. $150,000.

Pa., Rochester—CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church, general contract 2 story, basement church and Sunday school, to Cook Anderson Co., Beaver. Est. $150,000.

Md., Easton—HIGH SCHOOL—H. P. Hopkins, archt., 317 North Charles St., Baltimore, 2 story, basement, 89 x 212 ft., brick, steel, to C. E. Brohawn, Cambridge, for Talbot Co. School Com.

Miss., Oxford—DORMITORIES—University of Mississippi, c/o Mississippi State Building Comn., Jackson, general contract two 3 story, one 33 x 88 ft., other 40 x 109 ft., concrete, brick, to Ester-Reed Co., Jackson. Est. $430,000. Noted Jan. 25.

Ind., Hammond—SCHOOL—St. Joseph Catholic Church general contract 3 story, 80 x 100 ft., rein.-con., brick, Clinton St., to H. B. Olney, 1200 East Chicago Ave., East Chicago. Est. $150,000.

Ind., Rushville — SCHOOL — School Comrs., general contract 2 story, basement, 105 x 160 ft., brick, steel, to C. E. Cooper, Odon. Est. $150,000.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Broadway Ave., 2 story, basement, 114 x 174 ft., rein.-con., brick, steel, plain found., to W. H. Mueller Co., 2111 Woodward Ave. $190,980. Noted Sept. 20.

Mich., Detroit—SYNAGOGUE—Kohner & Payne, archts., 404 Kresge Bldg., 2 story, basement, 95 x 120 ft., rein.-con., brick, steel, plain found., to Lerner Sobel Co., 510 Book Bldg., for Congregation B. Nai Moshe, 3709 Fullerton Ave. Est. $150,000. Noted July 12.

Kan., Topeka — HIGH SCHOOL — Bd. Educ., general contract 2 story, basement, 105 x 157 ft., rein.-con., brick, stone, Tyler and West Euclid Sts., South Topeka, to J. M. Leeper, 111 East 21st St.; heating and plumbing, to W. F. Sheahan, 117 East 8th St., $27,460.

Tex., Houston — SCHOOL — Houston School Dist., for San Jacinto School, 3 story, to West & Jansen, 2nd Natl. Bank Bldg., $182,450.

Ont., Walkerville—SCHOOL—School Bd., Equity Chambers, general contract 2 story, brick, steel, incl. 14 class rooms, manual training departments, gymnasium, science laboratory, to N. R. Ibbetson Constr. Co., 9 Wyandotte St., $169,000; heating and plumbing, to C. Greeman, 210 Windsor St., Windsor, $45,640. Noted July 5.

Federal Government Work

Proposed Work

Md., Annapolis—TURBO-GENERATOR, etc.—Spec. 5629—Bureau Yards & Docks, Navy Dpt., Wash., D. C., turbo-generator and auxiliary equipment at Naval Academy.

Pa., Pittsburgh—DAM—U. S. Engineer Office emergency dam, for 110 ft., lock at Deadman's Island, Ohio River.

Ga., Fort McPherson (sta. Atlanta)—SWIMMING POOL—Constructing Quartermaster swimming pool.

Calif., Oakland — DREDGING — U. S. Engineer Office, San Francisco, 476,000 cu.yd. in Oakland Harbor.

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C. Z., Fort Clayton—BUNK HOUSE, etc.—Commanding General Panama Canal Dpt. bunk house and band practice room.

Bids Desired

N. Y., Syracuse — STORAGE ROOM — Nov. 6, by Treas. Dpt., at office Supervising Archt., Wash., D. C., internal revenue storage room, at U. S. Post office and Court House.

Pa., Lancaster — POST OFFICE — Nov. 26, by Treas. Dpt., at office Supervising Archt., Wash., D. C., 2 story, basement post office.

Delaware and Maryland—DOLPHINS, etc.—Nov. 26, by U. S. Engineer Office, Wilmington, Del., mooring dolphins and boardwalks along Inland Waterway from Delaware River to Chesapeake Bay, (Chesapeake and Delaware Canal); adv. E. N.-R. Nov. 1.

D. C., Wash.—ROAD—Nov. 8, by Bureau Pub. Rds., Dpt. Agriculture, grading Strawberry Creek-Borth Fork Sect. Route 72, Idyllwild Natl. Forest Hy.

D. C., Wash.—TENDER—Nov. 15, by Superintendent of Lighthouses, constructing tender "Althea" and machinery.

Va., Danville — WALKS — Nov. 8, by Quartermaster, Supply Dpt., Wash., D. C., concrete walks, graveling existing driveway and walk at U. S. Cemetery.

Va., Hopewell—WALKS, etc.—Nov. 8, by Quartermaster Supply Officer, Wash., D. C., concrete walks, graveling existing walks at City Point National Cemetery.

Fla., Jupiter—BULKHEAD—Spec. 5703—Nov. 14, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing bulkhead at Naval Radio Station.

Fla., Pensacola—BRIDGE—Dec. 5, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., 1,800 ft. bridge, 25 ft., between here and U. S. Naval Air Station.

Ind., Anderson—EXTENSION—Nov. 30, by Treas. Dpt., at office Supervising Archt., Wash., D. C., extension, remodeling at U. S. Post Office; adv. E. N.-R. Nov. 1.

Mich., Detroit—GENERATORS—Nov. 6, by Superintendent of Lighthouses, 3760 East Jefferson Ave., five to ten 3 kw. oil engine driven electric generators.

Colo., Denver—RADIAL GATES, etc.—Nov. 17, by Bureau Reclamation, 2 each radial gates, radial gate hoists, c.i. gates, geared gate hoists, and c.i. stem guides.

California—ROAD—Nov. 8, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading 1.85 mi. Strawbery Creek-North Fork Sect. Route 72, Natl. Forest Hy., Riverside Co.

Bids Received

Virginia and North Carolina — DREDGING — U. S. Engineers Office, Norfolk, Va., Oct. 18, 2,813,250 cu.yd. Pamlico River-Bay River Sect., Inland Waterway, from Norfolk, Va. to Beaufort Inlet, N. C., from Arundel Corp., Pier 2, Pratt St., Baltimore, Md., at $0.984 per cu.yd. Noted Sept. 20.

Minn., St. Cloud — BOILERS — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Oct. 23, 4 horizontal return tubular boilers from Continental Constr. Co., Fort Dodge, Ia., $9,800 (10-75 days).

S. D., Mitchell—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, (supplemental opening), from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., add $100. Noted Aug. 30.

Wyoming — ROAD — Bureau Pub. Rds., Custom House, Denver, Colo., Oct. 9, grading, 3.91 mi. Granite Creek-Shell Project, Sect. B, National Forest Rd., Big Horn Co., from Taggart Constr. Co., Cody, $56,785. Noted Sept. 27.

Colo., Denver — ROAD — Bureau Pub. Rds., Custom House, constructing, improving North and South Highway Project, Sect. A, Natl. Forest Rd. Project, from S. L. Smith, Gering, Neb., $48,899.

New Mexico—ROAD—Bureau Pub. Rds., Custom House, Denver, Colo., Oct. 1, constructing, improving Datil-Reserve-Dry Creek Rd., Sect. G, Natl. Forest Rd. Project, from F. O. Schufflebarger, Albuquerque, $90,180.

Contracts Awarded

Mass., Camp Devons (br. Boston)—BARRACKS—Constructing Quartermaster, Infantry barracks, to J. E. Dyer Constr. Co., 80 Boylston St., Boston, $267,000. Noted Oct. 25.

N. Y., New York — DREDGING and ROCK REMOVAL — U. S. Engineer Office, Army Bldg., 39 Whitehall St., dredging in Hell Gate Channel, to Arundel Corp., foot Fulton St., Brooklyn, $1,160,135; in East River to Great Lakes Dredge & Dock Co., 17 Battery Pl., $565,582. Noted Oct. 4.

Delaware and Maryland—DREDGING — U. S. Engineer Office, Wilmington, Del., Reedy Point Entrance, to Chesapeake and Delaware Canal, to Atlantic, Gulf & Pacific Co., 13 Park Row, New York, $1[illegible]. Noted Sept. 27.

Va., Norfolk — CONCRETE ROAD — Spec. 5665—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Hospital, to E. P. Lindsay, Portsmouth, $8,343 (75 days). Noted Oct. 4.

Tenn., Memphis—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., addition, to Devault & Detrick, Missillon Rd., $121,990 (365 days). Noted Oct. 18.

Colo., Denver—NEEDLE VALVES—Bureau Reclamation, balanced needle valves for Salt Lake Basin, Sun River Projects and U. S. Indian Service, to Omaha Steel Wks., 4802 Leavenworth St., Omaha, Neb., $49,350.

Calif., San Diego—AIRPLANE RUNWAY—Spec. 5758—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Air Station, to G. W. Cushing, 3564 33rd St., $20,000 (90 days).

Unclassified

Proposed Work

AIRSHIP HANGARS—**Boston, Mass.**—City, Park Dpt., sketches two or more 1 story, 80 x 235 ft. concrete, steel truss hangars, Jeffries Point, East Boston. To exceed $25,000. W. D. Austin, 120 Boylston St., engr.

BLEACHERS — **Boston, Mass.** — City, Park Dpt., sketches concrete bleachers, Back Bay Fens. $25,000 or more. Private plans.

TENNIS COURT — **Brookline** (br. Boston), **Mass.**—Brookline Country Club 110 x 130 ft. indoor tennis courts, 40 ft. high. $60,000. G. Hadden, 607 5th Ave., New York, engr.

RECREATION FIELD—**Mansfield, Mass.**—Town, L. L. Woods, supt. schools, recreation field. $25,000. Engineer not selected.

GAS DISTRIBUTION MAIN—**New York**—New York Power & Light Corp., subsidiary Mohawk Hudson Power Corp., 126 State St., Albany, constructing, extending gas distribution main from Schenectady to Saratoga Springs. $195,000.

TRANSMISSION LINES, etc. — **New York**—New York Power & Light Corp., subsidiary Mohawk Hudson Power Corp., 126 State St., Albany, 54 mi. transmission line through Fenner, Cazenovia, Nelson, Cuyler, Truxton, Homer, Cortlandville, Virgil, Fabius, $572,000; also sub-station near Cortland, $266,400.

PLAYGROUND—**Brooklyn, N. Y.**—Bd. Educ., 500 Park Ave., New York, grading, concrete work, playground, Remsen Ave. and Glenwood Rd. $35,000. A. W. Ross, 131 Livingston St., archt.

GRADE CROSSING ELIMINATION — **Central Square, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating Plank Road crossing by constructing 329 ft. overhead bridge. $160,000.

GRADE CROSSING ELIMINATION — **East Bethany, N. Y.** — Delaware, Lackawanna & Western R.R., 90 West St., New York, G. J. Ray, ch. engr., Hoboken, N. J., eliminating Pavilion-Batavia crossing by carrying grade of highway under tracks, east of here. $166,200.

GRADE CROSSING ELIMINATION — **Fair Oaks, N. Y.**—New York, Ontario & Western R.R. Co., W. C. Heidenthal, ch. engr., Middletown, elevating highway for grade crossing elimination, 1 mi. south here. $68,000.

GRADE CROSSING ELIMINATION — **Le Roy, N. Y.**—Buffalo, Rochester & Pittsburgh R.R. Co., E. F. Robinson, ch. engr., Rochester, grade crossing elimination, West Main St. $210,000.

GRADE CROSSING ELIMINATION—**Maple View, N. Y.** — New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating grade crossing by constructing 187 ft. overhead structure at Colosse crossing, 2 mi. south of here. $132,000.

GRADE CROSSING ELIMINATION — **Natural Bridge, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating grade crossing by constructing 85 ft. overhead crossing on unimproved road, 1 mi. north of here.

SWIMMING POOL—**New York, N. Y.**—Castle Hill Estates, Inc., J. P. Day, pres., 67 Liberty St., 75 x 100 ft. concrete swimming pool, Castle Hill and Norton Aves. $251,000. C. Cohen, 470 East Tremont Ave., archt.

Unclassified (Continued)

GRADE CROSSING ELIMINATION — **Odessa, N. Y.**—Dpt. Pub. Wks., Albany, eliminating Montour Falls-Alpine Hy. grade crossing over Lehigh Valley R.R., near here. $50,000.

GRADE CROSSING ELIMINATION — **Oneonta, N. Y.** — Delaware & Hudson R.R. Co., J. McMartin, ch. engr., Albany, eliminating West Oneonta Rd. to Glen Bridge Crossing, Pony Farm and Crandell Crossings, south of here. $200,000.

GRADE CROSSING ELIMINATION — **Poland, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating Poland-Trenton highway crossing, north of here. $113,000.

GRADE CROSSING ELIMINATION — **Portageville, N. Y.** — Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Street Sta., Phila., Pa., eliminating grade crossing on Castille Hy. near here. $98,000.

GRADE CROSSING ELIMINATION — **Rockville, N. Y.** — Erie R.R. Co., R. C. Falconer, ch. engr., 50 Church St., New York, and Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Street Sta., Phila., Pa., eliminating grade crossing by constructing overhead traffic bridge between Black Creek and Belfast. $162,000.

GRADE CROSSING ELIMINATION — **Savona, N. Y.**—Delaware, Lackawanna & Western R.R., G. J. Ray, ch. engr., Hoboken, N. J., eliminating Shavers crossing by constructing overhead crossing on Campbell-Bath State Hy. $170,000.

GRADE CROSSING ELIMINATION — **Unadilla, N. Y.**—Delaware & Hudson R.R. Co., J. MacMartin, ch. engr., 32 Nassau St., New York, eliminating grade crossing, 2¼ mi. north of here. $124,000.

GRADE CROSSING ELIMINATION — **Utica, N. Y.**—New York Central R.R., 466 Lexington Ave., New York, F. B. Freeman, ch. engr., eliminating grade crossing by constructing 120 ft. bridge, on West Schuyler-Dike Rd., 3¼ mi. east of here. $89,300.

GRADE CROSSING ELIMINATION — **Valhalla, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, eliminating grade crossing by constructing overhead bridge near station.

GRADE CROSSING ELIMINATION — **Valley Stream, N. Y.**—Long Island R.R. Co., A. C. Watson, ch. engr., Jamaica, eliminating Scranton Ave. crossing. $590,000.

GRADE CROSSING ELIMINATION — **Vestal, N. Y.**—Delaware, Lackawanna & Western R.R. Co., G. J. Ray, ch. engr., Hoboken, N. J., eliminating Bridge St. crossing. $189,000.

GRADE CROSSING ELIMINATION — **Williamsville, N. Y.**—Lehigh Valley R.R. Co., G. T. Hand, ch. engr., 143 Liberty St., New York, eliminating grade crossing by constructing 3 span 115 ft. bridge on concrete or steel bents and concrete abutments, on Wehrle Dr., south of here.

RETAINING WALL—**New Jersey**—Bd. Freeholders Hudson Co., Court House, Jersey City, preliminary plans retaining wall along Hudson County Blvd. from Hamilton Ave., Weehawken to Hudson Co. Park, North Bergen. $94,190. F. J. Radigan, Court House, co. engr.

TANK, etc.—**Bayonne, N. J.**—Petroleum Terminal Corp., West 1st St., metal tank and pipe stills, Avenue A and West 1st St. $100,000. Private plans.

TANKS—**Bayonne, N. J.**—Tidewater Oil Co., Constable Hook, sketches 19 storage oil tanks, pipe stills, Constable Hook. $150,000. Private plans.

AIRCRAFT HANGARS—**Camden, N. J.**—Amer. Brown Boveri Electric Co., Bway. and Fairview Sts., C. Pagon, in charge, aircraft hangars. $1,000,000. Private plans.

ATHLETIC FIELD, etc.—**Cliffside Park, N. J.**—Bd. Educ., Palisade Ave., athletic field, incl. grandstand, equipment in rear of high school. $50,000. Engineer not selected.

AIRPORT and HANGARS — **Pensauken** (mail Merchantville), **N. J.**—Central Airport, Inc., c/o C. T. Ludington, Atlantic Bldg., Phila., Pa., airport and hangars. $150,000.

STADIUM—**Canton, O.**—Bd. Control soon takes bids concrete stadium, 6th St. and Schroyer Ave. $125,000. C. E. Firestone, Renkert Bldg., archt. Noted June 7.

GRADE SEPARATIONS — **Royal Oak** (Ind. br. Detroit), **Mich.** — City and Grand Trunk Ry., J. A. Heaman, ch. engr., 400 East Jefferson Ave., Detroit, 15 grade separations, constructing rein.-con., steel girder bridges over highways. E. M. Shafter, ctiy engr.

RADIO STATION—**Downers Grove, Ill.**—M. F. Strauch, 800 West North Ave., Chicago, soon takes bids radio station, for A. F. of L., 623 Wabash Ave., Chicago. $350,000.

TURBINES, GENERATOR, etc.—**Paris, Ark.**—City, G. A. Hall, mayor, bids latter part November, turbines, generator and water tube boiler in power plant. $50,000. E. Evenson, Paris, engr.

HIGH LINE—**Texas**—Gulf States Utilities Co., Beaumont, 40 mi. high line from Conroe to Navasota, also sub-station at Conroe, $70,000. Private plans.

OIL PIPE LINE, etc.—**Texas**—Roxana Petroleum Co., City Natl. Bank Bldg., San Antonio, new surveys 460 mi. 10 in. electrically welded oil pipe line from point in West Texas near Pecos to Houston, $8,000,000; 35,000 bbl. refinery plant on channel near Harrisburg, $400,000 incl. equipment. Private plans. Noted May 10.

NATURAL GAS SYSTEM — **Oklahoma**—Taylor-Esterling Co., Kennedy Bldg., Tulsa, granted franchise natural gas systems in Binger, Duke, Olustee, Snyder and Verden. $125,000. Private plans.

AIR PORT — **Elk City, Okla.** — Preliminary plans air port, hangar. $50,000. Engineer not selected.

PILE CAR FERRY SLIP — **San Francisco, Calif.** — State Bd. Harbor Comrs., creosoted pile car ferry slip with machinery at outer end Pier 45. $90,000 incl. machinery. F. G. White, Ferry Bldg., ch. engr.

AIR PORT—**Brockville, Ont.**—Thousand Island Flying Club air port. $150,000.

Bids Desired

SWIMMING POOL, etc.—**Boston, Mass.**—See "Contracts Awarded."

REFRIGERATION WORK — **Brooklyn, N. Y.** — Nov. 21, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, refrigeration work, new compressor at Brooklyn State Hospital; adv. E. N.-R. Nov. 1.

SUBWAY—**Brooklyn, N. Y.**—Nov. 13, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5-A, Route 109, Rapid Transit R.R.

STEAMSHIPS—**New York, N. Y.**—Nov. 5, by Export Steamship Corp., 25 Bway., H. Hebermann, pres., 4 steamships, 450 ft. long, each 9,500 tons deadweight.

TIES—**New York, N. Y.**—Nov. 13, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., treated and untreated ties and contact rail protection boards (Order 10) for use in construction Rapid Transit R.R.

STATION FINISH—**New York, N. Y.**—Nov. 7, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 81st St.—Museum of Natural History, 86th, 96th, and 103rd and 110th St.—Cathedral Parkway Stations Rapid Transit R.R.

SWIMMING POOL — **Belmar, N. J.** — C. B. Cook, archt., Asbury Park Trust Bldg., Asbury Park, taking bids 2 story, 170 x 184 ft. swimming pool, bath house, Ocean and 5th Aves., for Belmar Ultra Violet Swimming Pool Corp. $300,000. Noted July 5.

TRAFFIC LIGHTS — **Paterson, N. J.** — Nov. 5, Bd. Pub. Wks., City Hall, new traffic lighting system. $85,000. H. J. Harder, Jr., city engr.

ELECTRIC LAMPS—**Phila., Pa.**—Nov. 3, by Dpt. Safety, Electrical Bureau, H. C Davis, dir., 215 City Hall, electric lamps, lighting, extinguishing, maintaining same for streets, avenues, boulevards, parks, wharves, public places from Jan. 1 to Dec. 31, 1929.

GAS PIPE LINE — **Texas** — See "Contracts Awarded."

CAUSEWAY — **San Diego, Calif.** — Nov. 19, by Common Council, causeway over Mission Bay, Job known as A. & I. Dist. 1. $633,096. P. R. Watson, engr. work. A. H. Wright, city clk. Noted Sept. 13.

Bids Received

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Oct. 26, constructing Route 109, Sect. 6, under Prospect Park Ave., from Rodgers & Haggerty, Inc., Grand Central Terminal, New York, $2,679,408. Noted Oct. 18.

Contracts Awarded

SWIMMING POOL, etc.—**Boston, Mass.**—Mikvah Israel Assn., L. Simpson, pres., 79 Wildwood Ave., 2 story, rein.-con., steel, tile, stucco swimming pool, incl. baths, dressing rooms, separate contracts. $40,000. M. E. Levy, 43 Tremont St., archt.

COAL POCKETS—**East Boston** (sta. Boston), **Mass.**—City Fuel Co., 165 Congress St., Boston, coal pockets, timber, steel 212 Border St., to J. H. Proctor Co., Inc., 250 Stuart St., Boston. Est. $30,000.

WHARF REPAIRS—**South Boston** (sta. Boston), **Mass.**—American Sugar Refining Co., 131 State St., Boston, repairing wharf near Granite St., to Bay State Dredging & Contg. Co., 62 Condor St., East Boston. Est. $25,000. Noted Oct. 11.

SUBWAY—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Sect. 2, Route 108, under Northern Blvd. (Jackson Ave.) and Steinway Ave., to J. F. Cogan Co., Grand Central Terminal, New York, $8,244,267. Noted Oct. 18.

GRADE CROSSING ELIMINATION — **Union** (Ind. sta. Endicott), **N. Y.**—Erie R.R. Co., R. C. Falconer, ch. engr., 50 Church St., New York, eliminating Grays Crossing, near here, to G. D'Angelo, Binghamton, $64,753.

CULVERT—**East St. Louis, Ill.**—East Side Levee & Sanitary Dist., Metropolitan Bldg., double 5 x 5 ft., rein.-con., culvert, 113 ft. long connected at manhole with double 72 in. corrugated pipe culvert 56 ft. long with head wall, spillway, to R. C. Jackson 3326 Bond Ave., $29,300. Noted Sept. 13.

CULVERTS—**Garnett, Kan.**—See "Streets and Roads."

GAS PIPE LINE — **Texas** — Miami Gas Co., c/o D. I. Barton, pres., Miami 6 in. gas pipe line from Magic City gas fields to Miami, day labor. $40,000. Private plans.

OIL TANK, LOADING FACILITIES—**Beaumont, Tex.**—Yount-Lee Oil Co., Inc., San Jacinto Life Bldg., fifty-six 55,000 gal. steel tanks on Nueces River Project, to Reeves Bros., Martin Bldg., Birmingham, Ala.; loading facilities, to A. M. Muterspaugh, Inc., Nagem Bldg., Lake Charles, La. Total est. $750,000.

ORNAMENTAL LIGHTING SYSTEM — **Culver City, Calif.** — Ornamental lighting system in Culver Blvd. to Newbery Electric Corp., 726 South Olive St., Los Angeles, $28,271.

LIGHTING SYSTEM — **Los Angeles, Calif.** — Ornamental lighting system on Santa Monica Blvd., C. I. 624, to J. R. Davies, 2131 Santee St., $31,444. Noted Oct. 25.

AIRPORT—**San Francisco, Calif.**—Runway and drainage works at airport, to M. Rosenberg, 243 Day St., $42,262.

STEEL ROLLING DOORS—**San Francisco, Calif.** — M. H. Gates, secy. State Harbor Comrs., Ferry Bldg., 115 or more steel rolling doors for Pier 45, to Gunn, Carle Co., 444 Market St., $56,300. Noted Oct. 25.

BRICK CHIMNEYS — **Toronto, Ont.** — Toronto Terminals Ry. Co., New Union Sta., J. W. R. Ambrose, engr., 2 radial brick chimneys each 12 ft. diam. x 232 ft. high, in connection with central heating plant, to Francis Hankin & Co., 165 Spadina Ave. Est. $30,000.

FILL AND CULVERTS — **Vancouver, B. C.**—Vancouver Harbor Comrs., 525 Seymour St., 96,800 cu.yd. fill, 4,300 cu.yd. riprap, 4,500 concrete culvert for roadway from Victoria Dr. to Namaimo St., to McKenzie Barge & Derrick Co., 2216 Cambridge St. $70,000.

Materials

Bids Desired

PORTLAND CEMENT—**Milwaukee, Wis.**—Nov. 7, by Central Bd. Purchases, J. W. Nicholson, buyer, 10,000 bbl. more or less portland cement.

CABLE — **Spokane, Wash.** — Nov. 8, by C. T. Bogart, city purch. agt., 23,000 ft. 30-conductor rubber covered lead sheathed cable.

Foreign

Greece — Greek Government, Athens, awarded contract constructing irrigation works in Struma Valley, to Ulen & Co., 120 Bway., and John Monks & Son, 438 Bway., both New York City, $30,000,000.

Union Soviet Socialist Republics — Russian Government, c/o Amtorg Traing Corp., 165 Bway., New York, N. Y., awarded contract electrical apparatus and materials for 6 years to International General Electric Co., 120 Bway., New York, N. Y. Est. $26,000,000.

See proposal advertising on page 134

Constr. News page 245

UNIT PRICES

Water-Works—Oakland, Calif.

Directors of East Bay Municipal Utility Dist., San Francisco, opened bids Sept. 7, installing water-works. Schedule 1, South Spillway, from (A) Ward Engineering Co., 315 Montgomery St., San Francisco; (B) Youdall Construction Co.; (C) Atkinson Construction Co.; (D) Utah Construction Co.; (E) Twohy Bros. & J. F. Shea. Schedule 2, (lowest four and highest) Jackson Creek Spillway and Dike, (A) Ward Engineering Co.; (B) Youdall Construction Co.; (C) W. A. Bechtel Co.; (D) Twohy Bros. & J. F. Shea; (E) George Pollack Co. Schedule 3, Pardee Reservoir Outlet Tower and appurtenances, (A) Ward Engineering Co. (awarded all 3 contracts); (B) Twohy Bros. & J. F. Shea; (C) Youdall Construction Co.; (D) Charles & George K. Thompson; (E) Utah Construction Co. Unit bids follow:

SCHEDULE I

	A	B	C	D	E
25,000 cu.yd. excav., Class 1	$0.40	$0.66	$1.00	$0.50	$1.50
50,000 cu.yd. excav., Class 2	1.30	1.60	1.00	1.75	3.35
20,000 cu.yd. plain conc. (excl. cement)	5.90	6.20	8.00	8.25	11.75
1,100 yd. reinf. conc. (excl. cement & steel)	5.90	16.00	15.00	16.00	12.25
21,500 bbl. portland cement	3.10	3.10	2.50	3.25	3.05
495,000 lb. reinf. steel	.035	.045	.06	.045	.05
4,000 lb. structural steel	.35	.22	.10	.20	.35
450 lin.ft. guard fence	.90	2.00	2.00	1.00	1.50
115 cu.yd. broken rock or gravel	3.60	4.00	4.00	2.00	5.00
1,200 lb. copper water stops in place	.40	.40	.40	.50	.35
Totals	$286,164	$329,745	$337,490	$376,830	$546,870

SCHEDULE II

	A	B	C	D	E
100 cu.yd. class 1 excav.	$2.92	$1.50	$0.90	$2.00	$1.00
5,700 cu.yd. class 2 excav.	2.92	2.75	6.00	6.00	6.00
2,400 cu.yd. reinf. conc.	16.60	24.00	16.50	18.70	24.00
3,000 bbl. portland cement	3.95	3.05	3.10	2.90	3.25
200,000 lb. reinf. steel	.044	.055	.045	.041	.06
39,500 lb. cast steel liner sections	.25	.16	.20	.133	.14
3 36-in. gate valves	3,690.00	2,975.00	3,000.00	3,700.00	2,600.00
13 30x36 in. cast iron slide gates	2,200.00	1,700.00	1,685.00	1,725.00	1,600.00
4 tower screens, complete (lump sum)	10,080.00	9,600.00	9,100.00	10,700.00	8,000.00
22 screening chamber screens	2,790.00	2,900.00	2,600.00	2,935.00	2,800.00
Structural steel (operating tower)	4,170.00	3,600.00	3,800.00	4,730.00	3,800.00
9 tower window sashes	545.00	405.00	400.00	610.00	270.00
1 tower door complete in place	102.00	125.00	250.00	140.00	50.00
1 foot bridge (excl. of conc. piers)	8,150.00	6,800.00	6,100.00	6,000.00	6,500.00
500 lb. copper water stops	.60	.35	.40	.68	.50
Totals	$150,908	$152,825	$156,760	$158,767	$167,850

SCHEDULE III

	A	B	C	D	E
12,400 yd. class 1 excav.	$0.70	$0.80	$2.00	$0.65	$0.65
10,000 yd. class 2 excav.	1.45	1.50	2.00	1.35	1.20
2,240 yd. plain conc.	8.25	8.00	9.75	11.90	15.00
6,580 yd. reinf. conc.	10.00	9.00	9.75	12.05	23.00
10,900 bbl. cement	3.60	4.30	3.00	3.50	3.50
146,000 lb. reinf. steel	.05	.05	.05	.05	.05
34,000 lb. str. steel	.095	.07	.10	.10	.08
665 ft. guard fence	1.00	2.40	1.50	1.50	1.00
5,500 lb. bronze bolts	.40	.40	.50	.55	.60
40 M. ft. BM redwood timber	70.00	125.00	90.00	120.00	120.00
3 M. ft. BM Doug. fir (floor)	80.00	110.00	90.00	90.00	80.00
925 yd. broken rock	3.80	3.80	3.50	4.00	4.00
850 lb. copper water stops	.50	.40	.60	.35	.60
Totals	$167,481	$172,026	$185,995	$189,793	$266,530

Engineering News-Record, Issue of November 1, 1928

Bridge—Baltimore, Md.

Sixteen bids were opened by Board of Awards, May 2, bridge over Gwynns Falls and Western Maryland R.R. on Russell St., difference between lowest and average, 16 per cent. Bridge will have roadway 50 ft. between curbs, flanked by two 8-ft. sidewalks. Roadway deck is supported by steel stringers, floor beams, girders and trusses, and with exception of truss span all steel work will be protected by a covering of concrete or cement mortar, 1½ in. thick. There are five deck girder spans, having seven lines of girders and one deck truss span, having five riveted deck Pratt trusses. Four of girder spans are 55.4 ft. center to center of supports, and one span is 52 ft. Truss span is 160 ft. center to center of piers. Length of bridge from end of steel is approximately 433 ft. and over-all length is 476 ft. Width out to out is 70 ft. There are two lines of reinforced concrete hand rail on outer edge of sidewalks. All structural steel will be supported on concrete piers and abutments. The whole structure will be supported on Raymond concrete piles. Lowest four and highest bidders are: (A) Frank Carozza & Son, 2444 North Charles St., (awarded contract); (B) Catalano & Pecora Construction Co., Old Town National Bank Bldg.; (C) Consolidated Engineering Co., 20 East Franklin St.; (D) Forbes-Murphy Construction Co., 406 St. Paul St.; (E) Strobel Steel Construction Co. N. L. Smith, Department of Public Works, Bureau of Highways, highways engineer.

	A	B	C	D	E
Furnishing all labor to complete superstructure of bridge (lump sum)	$129,221.00	$128,921.35	$143,750.00	$139,470.00	$208,800.00
2,500 cu.yd. dry excav.	3.00	2.25	1.75	1.00	4.80
900 cu.yd. wet excav.	3.00	9.00	4.50	4.00	7.75
6,400 cu.yd. backfill at abutments	.40	.90	.60	1.40	2.75
4,020 cu.yd. conc. (1:2:4) in piers, footings	11.44	14.00	12.30	13.60	19.00
100 cu.yd. conc., 1:3:6, for underfill	8.00	10.00	9.00	8.00	12.00
112,670 lb. steel reinforcing in place	.034	.065	.04	.039	.05
25,000 lin.ft. reinforcing concrete piles in place	2.20	2.15	2.28	2.33	2.50
Furnishing and placing pipe and broken stone for drainage system of abutments and wing walls (lump sum)	300.00	500.00	349.20	150.00	450.00
Totals	$247,901	$267,260	$268,217	$272,796	$391,539

Engineering News-Record, Issue of November 1, 1928

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Apartment, New York, N. Y., Corporation c/o Rhodes-Kennedy Co., $7,000,000.

Bridge, New York, Dpt. Plant and Structures, New York, revising plans, $6,000,000.

Coking plant, Port Stanley, Ont., Dominion Gas Co., St. Thomas, $2,000,000.

Hotel, Chicago, Ill., H. Jansen, sketches, $1,750,000.

Highways, Seattle, Wash., King Co., appropriated, $1,666,000.

Hospital, Boston, Mass., Massachusetts General Hospital, revised plans, $1,500,000.

Bridge, Newark, N. J., State Hy. Comn., Trenton, $1,500,000.

Medical arts, Des Moines, Ia., Syndicate, $1,500,000.

Plant, Frankfort, Ky., Kentucky Cement Corp., $1,500,000.

Garage, New York, N. Y., Kent Garage Investing Corp., $1,400,000.

Apartment, Wash., D. C., El & Kay, $1,250,000.

Hospital, Malden (br. Boston), Mass., Malden Hospital, c/o archts., sketches, $1,200,000.

Garage, Jersey City, N. J., Burstyn & Heftler Corp., Union City, sketches, $1,000,000.

Apartment, New York, N. Y., Bing & Bing, to exceed $1,000,000.

Office, New York, N. Y., New York County Lawyers Assn., $1,000,000.

Terminal warehouse, Cleveland, O., Nicholson Universal Steamship Co., sketches, $1,000,000.

Bids Desired

Railways, New York, New Jersey, Pennsylvania and Delaware, Pennsylvania R.R. Co., Phila., Pa., taking bids, $100,000,000.

Apartments, St. Louis, Mo., Paramount Constr. Co., takes sub-bids about Nov. 15, $2,000,000.

Factory, Windsor, Ont., Chrysler Corp. of Canada, takes bids about Nov. 14, $1,500,000.

Public Bond Elections, coming and decided, are listed on Construction News page 249a.

City hall, Bayonne, N. J., Bd. City Comrs., bids about Nov. 15, $1,000,000.

Hospital and nurses home, Belleville (br. Newark), N. J., Bd. Freeholders Essex Co., bids about Nov. 15, $1,000,000.

Contracts Awarded

Subway, New York, N. Y., Bd. Transportation, Sect. 4, Route 106 to Slattery-Daine Contg. Co., $5,232,390.

Exchange, Bridgeport, Conn., Southern New England Telephone Co. to E. & F. Constr. Co., total est. $3,000,000.

Apartments, Chicago, Ill., J. Rosenwald, to B-W. Constr. Co., est. $2,750,000.

Subway, Brooklyn, N. Y., Bd. Transportation, New York, Sect. 6, Route 109, to Rodgers & Haggerty, New York, $2,679,408.

Power plant, Dallas, Tex., Dallas Power & Light Co., owner builds, $2,500,000.

Office and garage, Chicago, Ill., A. S. Alschuler Inc., archts., to H. Ericcson Co., and others, for owners, total est. $2,100,000.

Apartment, Chicago, Ill., L. S. Drive Corp., to Turner Constr. Co., est. $1,500,000.

Power plant, Bingham, Me., Central Maine Power Co., Augusta, to M. C. Tuttle Co., Boston, Mass., est. $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Mass., Wareham — Town, waterworks, Main St. $15,000 or more.

Mich., Pontiac—Extending 24,855 ft. 6- to 12-in. c.i. mains, one hundred sixty-five 6- to 16-in. A. W. W. A. gate valves, in Perry Park and Perry Park 1 Subdivision. Owner furnishes pipe. J. R. Pollock, City Hall, engr.

Ark., Star City—Soon takes bids 21,000 ft. 2- to 6-in. c.i. or concrete lined pipe, 20 fire hydrants, 50,000 gal. tank on 100 ft. tower, valves, gate valves. $30,000. R. P. Parker, P. O. Box 126, Star City, engr. Noted Oct. 25.

Tex., Archer City — City revised plans 22,000 lin.ft. 6- to 8-in. c.i. pipe, elevated tank, fire hydrants, concrete reservoir. $40,000. Former bids rejected. Montgomery & Ward, Wichita Falls, engrs. Noted Oct. 4.

Bids Desired

N. J., Red Bank — See "Contracts Awarded."

O., Cleveland—Nov. 14, by Comrs. Cuyahoga Co., mains in Burns Ave. and Dewey Rd. To exceed $15,000. F. Williams, Court House, engr.

Mich., Allen Park — Nov. 13, by L. Quandt, village clk., Ecorse and Allen Rds., 39,050 ft. 6 and 8 in. c.i. pipe, 57 hydrants, seventy-three 6 and 8 in. valves, Hamilton Blvd. Subdivision; 3,888 ft. 6 and 8 in. c.i. pipe, 12 hydrants, seven 8 in. valves in Lincoln Park Manor, Special Assessment Dist. 14; 28,700 ft. 6 and 8 in. pipe, 49 hydrants, fifty-one 6 and 8 in. valves, in Allen Grove Subdivision, Special Assessment Dist. 18. G. H. Ruhling & Co., 900 Lawyers Bldg., Detroit, engrs.

Ill., Chicago—Nov. 13, by City, at office Bd. Local Impvts., City Hall, water service pipes in 29 streets and avenues. M. J. Faherty, pres.

Mo., St. Louis—Dec. 4, by Bd. P. Serv., City Hall, new channel in Mississippi River near Homers Dike at Chain of Rocks Water Works Station. $70,000. L. Day, City Hall, water comr.

Calif., Los Angeles—Nov. 19, by M. B. Beatty, clk. Los Angeles Co., deep well turbine pump for Tract 4.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenues R, T and Z, Lancaster, Sheridan and 16th Aves., to Riverdale Water Works, Inc., 1 Riverdale Ave., New York, $10,700. Noted Oct. 18.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., replacing broken low pressure hydrants, to J. D. Nugent, 1617 73rd St., Brooklyn, $4,348. Noted Oct. 11.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. J., Red Bank — Monmouth Consolidated Water Co., 3rd Ave., Long Branch, 250 x 350 ft., rein.-con. settling basin enclosed with woven wire fence, grading, separate contracts. $20,000. C. E. Slocum, 3rd Ave., Tinton Falls, engr.

Miss., Starkville—A. & M. College, deep well, reservoir, to Layne-Central Co., Chelsea St., Memphis, Tenn., $19,050, pump house, to A. C. Jones, Starkville, $8,378.

La., Sulphur—Mayor and Bd. Aldermen, mains, valves, boxes, pumps, to S. B. Stewart, Baton Rouge. Total est. $55,000. Noted Oct. 4.

Mich., Oak Park (Sta. Flint)—For 21,095 ft. 12- to 27-in. concrete and vitr. sewers in Special Assessment Dists. 1 to 3 (inclusive), to B. Conini, Columbus, O. Est. $35,000.

Kan., Gypsum — City, waterworks, distribution system, to Mellert Constr. Co., Brown Bldg., Wichita. Noted Oct. 11.

Kan., Paola—Waterworks improvements, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $16,702. Noted June 21.

Sewers

Proposed Work

Mass., Wareham — Town, sewerage system, Main St. $100,000.

N. J., Fanwood—Bd. Boro Council, Boro Hall, preliminary plans sewerage system. $100,000. F. A. Dunham, 109 Park Ave., Plainfield, boro engr.

N. J., Westfield — Town Council, Town Hall, preliminary plans sewers in Forest, Glen and Edgewood Aves. $25,000. J. Hopkins, town engr.

Mo., St. Charles—Soon takes bids 50,000 ft. sanitary sewers. $50,000. H. D. Smelser, City Hall, city engr. Burns & McDonnell, Interstate Bldg., Kansas City, consult. engrs. Noted Nov. 1.

Tex., Archer City — City, revised plans 18,000 lin.ft. 6- to 12-in. Class A c.i. and vitr. tile pipe, sewage treatment plant, manholes, cleanouts. $35,000. Former bids rejected. Montgomery & Ward, Wichita Falls, engrs. Noted Oct. 4.

Que., Preston—Town Council expending $41,027, sewers, roads.

Ont., Hamilton—Council, overflow sewers in Wood, McAuley, Catharine and Ferguson Sts. $75,000. W. L. McFaul, City Hall, engr.

Bids Desired

N. J., Newark — Nov. 9, by Bd. City Comrs., City Hall, 15- to 21-in. rein.-con. storm water sewer in Stuyvesant Ave. and Schofield St. $25,000. J. M. Costello, city engr.

Md., Baltimore—Nov. 14, by Bd. Awards, sanitary sewers in Sewer Dist. P-4 and H-9, Sanitary Contr. 255. M. J. Ruark, sewerage engr.

Ala., Birmingham—Dec. 5, by City Comn., sewerage system in 4 blocks 72nd St. N. near 5th Ave. $30,600. A. J. Hawkins, city engr.

O., Akron—Nov. 19, by F. E. Swineford, dir. P. Serv., 6,900 ft. 24- to 66-in. vitr. clay sewers, drains in airport in connection

See proposal advertising on page 130

Constr. News page 247

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations ~ ~ ~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

with agreement with Goodyear-Zeppelin Corp. Noted Apr. 19 under "Unclassified."

Mich., Allen Park — Nov. 13, by L. Quandt, village clk., Allen and Ecorse Rds., 7,204 ft. 12- to 36-in. concrete or vitr. sewer in Lincoln Park Manor Subdivision 3; 2,475 ft. 12 in. sewer in Dist. 15. G. H. Ruhling & Co., 900 Lawyers Bldg., Detroit, engrs.

Mich., Plymouth—Nov. 12, by G. Dingman, drain comr., Wayne Co., 1004 Lawyers Bldg., Detroit, 5,745 ft. 12- to 24-in. vitr. clay pipe for Robinson Subdivision Tile Drain.

Ill., Chicago—Nov. 13, by City, at office Bd. Local Impvts., City Hall, sewer drains in 32 streets and avenues. M. J. Faherty, pres.

Wis., Greenwood — Nov. 16, by W. J. Schwarzel, city clk., sanitary sewerage system, 2 disposal plants. $70,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs. Noted Aug. 16.

Tex., Houston—Nov. 14, at office City Secretary, sewers in Beverly, 12½ and Live Oak Sts., McGowan and Euclid Aves., and alley between Lillian and Rose Sts. O. F. Holcombe, mayor.

Okla., Garber—Nov. 23, by C. N. Birdsall, city clk., 3,500 ft. 15 in. vitr. clay outfall sewer, disposal plant, Imhoff tank. $28,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 13.

Calif., Los Angeles—Supervs. Los Angeles Co., bids about Dec. 24, 5.25 mi. cement sewers in Impvt. 686-Forrest Lawn St. $68,083. W. F. Foster, Klinker Bldg., engr. Noted Nov. 1.

Contracts Awarded

N. J., East Orange — Bd. City Council, City Hall, storm water drain in Lloyd Brook Valley, to Spiniello Constr. Co., 493 Monroe St., Orange, $110,000. Noted Nov. 1.

Ind., Anderson—Bd. Wks., North Anderson Sewer, to Sorensen & Zohner, Grand Rapids, Mich., $240,000. Noted Sept. 27.

Mich., Detroit—Dpt. P. Wks., City Hall, to R. D. Baker, 1631 Elmhurst Ave., sewers in Regular Ave. $56,364, Christiancy Ave. $12,974, Michigan Ave. $61,638; to Blanck & Gargoro, 40 Seven Mile Rd. E. Tireman Ave. $162,135, West Chicago Ave. $145,432; to Lennane & McIlvenna, 7777 West Chicago Blvd., Warren Ave. $291,415; to R. Serra, 9738 Martindale Ave., Moffat Ave. $54,206; to G. R. Cooke Co., 1216 Penobscot Bldg., Rivard Sewer, Sect. 1, in Marseilles, Mack and Cadieux Aves. $296,172; to A. Rossi, 5307 Pennsylvania Ave., Mack Ave. $91,906. Grand total $1,172,242.

Mich., Oak Park (Sta. Flint)—For 40,000 ft. 6 and 8 in. c.i. pipe in Dist. 1, to J. H. Lovett, 208 Lincoln Bldg., Detroit; 49,180 ft. 6-8 in. c.i. pipe, Dist. 2, to T. C. Brooks, 1217 Longfellow Ave., Detroit.

Kan., Meade—City, 33,323 ft. 8 and 10 in. vitr. clay sewers, to W. B. Carter, 7 North Rockford St., Tulsa.

Tex., San Antonio—City 1,500 lin.ft. 36 in. outfall sewers in Old Concepcion Rd., to Chicago Bridge & Iron Wks., Dallas Natl. Bank Bldg., Dallas, $26,000.

Okla., Ada—Extending sewers in Dists. 16 to 20 (inclusive), to Asplund Constr. Co., Masonic Bldg., Enid, $46,000. Noted Oct. 4.

Calif., Los Angeles—Supervs. Los Angeles Co., cement sewers, concrete cradle manholes in Belvedere Gardens Unit 1, Impvt. 577, to O. K. Hearte, 1530 Paloma St., Pasadena, $115,442, est. $140,761. D. and W. S. vitr. sewers, manholes, resurfacing Impvt. 687, Burkhart Home Tract—Graham Unit 1, to O. G. Gadza, 1539 North Ave. 55, $46,003 est. $58,940. Noted Nov. 1.

Waste Disposal

Bids Desired

N. Y., Brooklyn—Nov. 14, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, removing sludge from sewers in 60th St. between 18th Ave. and Long Island R.R. west of 16th Ave., 14th and Wortman Aves., Hendrix and Milford Sts.

Contracts Awarded

N. Y., Brooklyn—Brooklyn Ash Removal Co., at office Street Cleaning Dpt., Municipal Bldg., New York, incinerators at (1) Gowanus Canal (2) Newton Creek (3) Avenue J, furnace equipment, to Hiler Eng. & Contg. Co., 122 Livingston St. (1) $380,000 (2) $380,000 (3) $364,000; chimneys, to M. W. Kellogg, 71 Dey St., New York (1) $31,000 (2) $32,800 (3) $32,000. Grand total $1,218,800. Noted Nov. 1.

Bridges

Proposed Work

New York — Dpt. Plant & Structures, Municipal Bldg., New York, revising plans 3 additional traffic lanes on upper level Queensboro Bridge, widening approaches. $6,000,000. A. Goldman, comr. Noted June 23, 1927.

N. J., Newark — State Hy. Comn., State House, Trenton, bridge over Passaic River, on Route 1 extension. Waddell & Hardesty, 150 Bway., New York, engrs. $1,500,000.

Oklahoma — State Hy. Dpt., Oklahoma City, preliminary plans 4 span 125 ft. rein.-con. bridge on U. S. Hy. 81, Kingfisher Co. To exceed $25,000. C. R. Mandigo, hy. engr.

Que., Quebec—City Council steel bridge over St. Charles River. $400,000.

Bids Desired

New York and New Jersey — Nov. 19 (extended date), by Port of New York Authority, 75 West St., New York, steel work Kill von Kull Bridge between Bayonne, N. J. and Port Richmond, N. Y.; adv. E. N.-R. Nov. 8. Noted Oct. 4.

N. J., Hawthorne—Nov. 14, by Bd. Freeholders Passaic Co., Court House Paterson, constructing Warburton Ave. Bridge. G. Ferguson, Paterson, co. engr.

Florida—Nov. 27, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee, 4,256 ft. concrete bridge on Rd. 5, Project 772, Charlotte Co.—5 rein.-con. culverts, 6 rein.-con. bridges, Rd. 24, F. A. Project 62-B, Osceola Co.—Middle River and Hillsboro River Bridges Rd. 4, Project 653-B, also Tarpon River and Himmarshee Canal Bridges, Rd. 4, Project 654-B, Broward Co.—Palm Beach Canal Bridge, Rd. 4, Project 683-B, Palm Beach Co. J. L. Cresap, state hy. engr.

Alabama—Dec. 5, by State Hy. Comn., Montgomery, rein.-con. bridges in Pickens, Monroe and Wilcox, Green, Coosa and Chilton, Bibb, Dallas, and Jackson Counties; grading 500 ft. approaches to bridge, Morgan Co. W. Finnell, hy. dir.

Ill., Chicago—Nov. 22, by M. J. O'Brien, clk. Sanitary Dist. of Chicago, substructure South Harlem Avenue bascule bridge, Contr. 1. T. J. Crowe, pres.; adv. E. N.-R. Nov. 8.

Minnesota—Nov. 20, by State Hy. Comn., St. Paul (**S. P. means State Project, and Br. Bridge**), Br. 4753 over Shell Rock River, S. P. 9-45-1, Albert Lea—Br. 4390 over Mississippi River on S. P. 25-23, Monticello—Brs. 4800 and 4825, over Minnesota River, on S. P. 70-21, south of Fairfax.

Kan., Ft. Scott—Nov. 15, by W. I. West, clk. Bourbon Co., 120 ft. concrete arch span bridge, 20 ft., on Kansas Project 712-B. $25,000. H. C. McCurley, Ft. Scott, co. engr.

Kan., Marion—See "Streets and Roads."

Texas—Nov. 19, by G. Gilchrist, state hy. engr., Austin, concrete timber pile bridge, Leon Co., $45,600; bridges on Hy. 9, Sterling Co., $46,800.

Tex., Anderson—Nov. 19, by State Hy. Comn., R. S. Sterling, chn. Austin, bridge and approaches on 0.468 mi. Hy. 105 from Sta. 791 to Montgomery Co., 8 x 5 x 10 concrete box culvert, 105 ft. creosoted timber pile trestle bridge with five 20-ft. clear spans, Grimes Co. O. A. Seward, co. engr. Noted Sept. 6.

Arizona—See "Streets and Roads."

Washington — Nov. 20, by State Hy. Comn., Olympia, reconstructing Castle Rock Bridge on State Rd. 1, Cowlitz Co.—widening shoulder on 0.6 mi. State Rd. 3, King Co.—constructing 110 ft. concrete T-beam bridge and approaches over Curley Creek, on State Rd. 14, Kitsap Co. S. J. Humes, state hy. engr.

Bids Received

Missouri — State Hy. Comn., Jefferson City, Oct. 25 (**R. means Route**), from Richmond Constr. Co., Advance, four 3 ft. and two 12 ft. rein.-con. slab spans over creek, on R. 21, Ripley Co. $4,041—from Millers, George & Constr. Co., Poplar Bluff, two 10 ft. rein.-con. slab spans on R. 53, Sect. 3-A, Butler Co. $964—from C. A. Mustion, Mountain Grove, two 5 ft. rein.-con. slab spans on same road, $1,104—from F. Kersting, Jefferson City, two 5 ft. rein.-con. slab spans over creek, R. 22, Boone Co. $750—from R. H. Sharp, Reeds Spring, two 10 ft. rein.-con. slab spans over dry branch, R. 38, Lawrence Co. $1,918—from J. M. Roark, Anderson, two 10 ft. rein.-con. slab spans over side ditch, R. 12, Barton Co. $1,313; three 10 ft. rein.-con. slab spans over branch $5,091; five 50 ft. rein.-con. deck girder spans over Muddy Fork Spring River, R. 12, Barton Co. $24,738—from Kelly & Underwood, Granby, two 6 ft., four 10 ft. rein.-con. slab spans over branch, $6,109; one 50 ft. rein.-con. deck girder span over Snag Creek, $6,315, all on R. 13, Cedar Co.—from J. H. Miller & Son, Leon, Ia., three 35 ft. rein.-con. deck girder and one 80 ft. steel truss spans over Tabo Creek, R. 24, Lafayette Co. $16,153; five 32 ft. I-beam spans on concrete piles over Kings Branch, Atchinson Co. $11,406—from Ozark Eng. Co., Joplin, three 50 and four 35 ft., rein.-con. deck girder spans over Spring River, R. 38, Lawrence Co. $21,692; three 50 ft., five 35 ft. rein.-con. deck girder spans over Honey Creek, Lawrence Co. $22,898—from McGlone & Walesby, Glasgow, 200 ft. steel truss span over North Fabins River, Marion Co. $24,865—from E. E. Hudson, Sikeston, three 45 ft. rein.-con. deck girder spans over south fork Little Black River, Ripley Co. $11,793—from M. E. Gillioz, Monett, two 40 ft., one 50 ft., rein.-con. deck girder, one 16 ft. rein.-con. slab spans over Big Weaubleau, R. 64, Hickory Co. $9,822. Noted Sept. 20.

Contracts Awarded

Vt., Bethel—State Hy. Comn., Montpelier, concrete bridge approaches, to Cenedella & Co., Milford, Mass., $74,916. Noted Oct. 18.

N. Y., Johnstown—A. Wanda, city clk., City Hall, reconstructing bridge over Cayadutta Creek, on West Main St., to Morrel Vrooman, Inc., Gloversville. Noted Sept. 27.

New Jersey—State Hy. Comn., Trenton, bridge on Route 29, Weequahic Park, Newark, to O'Gara Constr. Co., 242 Market St., $58,759. Noted Aug. 30.

N. J., Belvidere — Warren Co., Court House, rein.-con., steel bridge over Bulgings Brook, to S. S. Thompson & Co., 170 Monmouth Ave., Red Bank, $55,167.

Ohio — H. J. Kirk, dir. Hys., Columbus, steel truss bridge, Licking Co., and concrete slab bridge, Holmes Co., to McDonald Constr. Co., Newark, $18,997 and $9,369 respectively—new slab top culvert, grading, paving Lake Co., to C. D. Stevenson, Painesville, $6,074—steel bridge with abutments, approaches, bituminous macadam paving Williams Co., to M. Rabbitt & Sons, 1026 Water St., Toledo, $51,688—twin-span concrete beam bridge, Montgomery Co., to Price Bros., Dayton, $26,774 — concrete bridge Columbia Co., to C. Agresta, Cleveland, $4,556—skew slab bridge, Coshocton Co., to W. M. Brode Co., Newcomerstown, $3,601—4 concrete slab bridges, Marion Co., to H. B. Waters, Columbus, $15,165. Grand total $136,494. Noted Oct. 4.

Kan., Kingman—Kingman Co., Spivey Bridge, bridge over Smoots Creek, 3 bridges over Smoot Creek, to Von Stewart Constr. Co., Dodge City, $87,469. Noted Oct. 4.

Kan., Wellington — Sumner Co., bridge over Arkansas River, on Rd. K-12, to Yancey Constr. Co., Abilene, $55,112; bridge over Fall Creek, to Wells & Sons, Enid, $16,719. Noted Oct. 11.

Nebraska—See "Streets and Roads."

Montana—See "Streets and Roads."

Mo., Springfield—City Water Co., 1,200 ft. rein.-con., steel bridge over lake northwest of here, to Burnip Constr. Co., 568 East Broad St., Columbus, O. Est. $50,000.

California—State Hy. Dpt., Sacramento, Oct. 17, 2 timber trestles on pile bents over Berenda Slough and Ash Creek, Madera Co., to A. W. Kitchen & Co., 110 Market St., San Francisco, $50,193. Noted Nov. 1.

Dams

Proposed Work

Colo., Canon City—City, R. H. Kellogg, city clk., rebuilding dam at Mount Pisgah, 30 miles north of here.

Contracts Awarded

N. J., Oakhurst—Ocean Twp., Mechanics Hall, constructing, widening 2 culverts and dam, Wickopecko Dr., to S. S. Thompson Co., Inc., Red Bank. Noted Aug. 23.

Railways

Proposed Work

Tennessee and Georgia—Tennga R.R. Co., Conasauga, Tenn., G. H. Gearhart, pres., acquiring and operating logging line of railroad now owned by Conasauga River Lumber Co., from Conasauga, Tenn. to Taylors, Tenn., and constructing 1.5 mi. extension from Taylor, Tenn., to Chables Mills, Ga.

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READY for the Sewer Contractor Ahead-of-Time!

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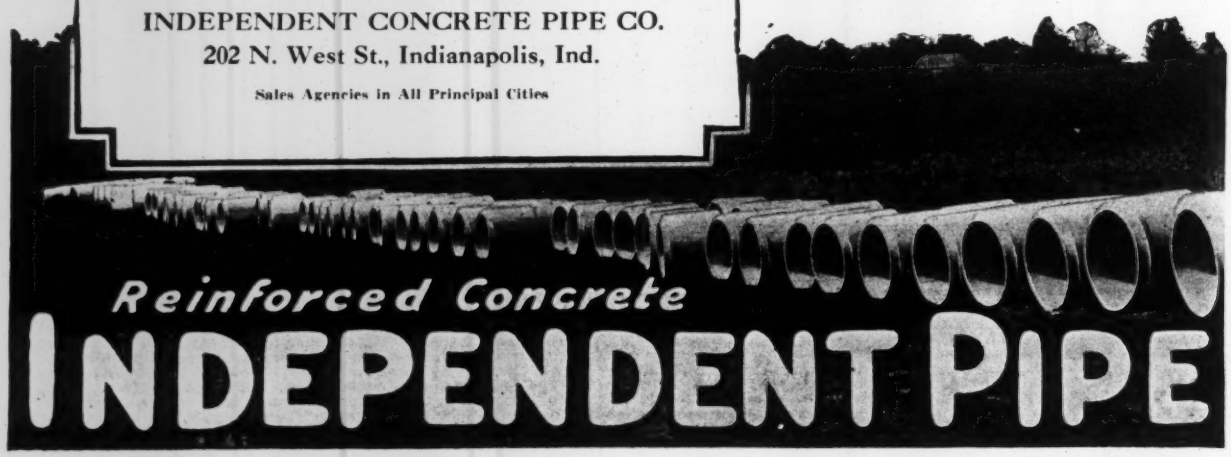
INDEPENDENT 48-in. Concrete Pipe placed along line of a trunk sewer at South Bend, Ind.



Railways (Continued)

Bids Desired

Texas—See "Contracts Awarded."

Contracts Awarded

New York, New Jersey, Pennsylvania and Delaware — Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad St. Sta., Phila., taking bids electrification lines between Phila. and Trenton. This is 1st section electrifying 325 mi. lines from Hell Gate Bridge, N. Y., to Wilmington, Del., and west to Phila. to Atglen, Pa. 250 to 300 locomotives will be required. $100,000,000.

Texas—Missouri-Pacific Ry. Co., E. A. Hadley, St. Louis, Mo., chn. engr., 2½ mi. spur track on Republic Portland Cement plant (now under construction), 12 miles north of San Antonio, to Bartholoore, Inc., c/o Frost Bldg., San Antonio, $70,000; 1¼ mi. spur track from main line to above cement company's plant, day labor, $35,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Lake Hopatcong—Bd. Conservation & Development, State House, Trenton, dredging, improving Lake Hopatcong. $50,000.

N. J., Ocean City—City Comn. rejected bids Oct. 22, filling in low lands from 21st to 28th Sts. $120,000 appropriated.

O., Cleveland — See "Buildings Commercial."

Bids Desired

N. Y., Brooklyn—Nov. 14, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, dredging Newtown Creek Canal and in Gowanus and Wallabout Canals.

Mo., St. Louis—See "Waterworks."

Tex., Harlingen—Arroyo Colorado Navigation Dist., c/o J. B. Chambers, mgr., taking bids dredging along Arroyo Colorado through Padre Island to Gulf. A. Tamm, Harlingen, engr. L. H. Beach, Los Angeles, Calif., consult. engr.

Bids Received

Mass., Lynn—Comn. on Ways & Drainage, City Hall, bulkhead, dredging flats from Rendle Corp., 271 Marginal St., Chelsea, $221,150. Est. $250,000. Noted Oct. 18.

Contracts Awarded

D. C., Wash. — Pub. Buildings & Pub. Parks, excavating, removing, disposing 14,000 cu.yd. earth from Meridian Hill Park, to W. Meyer, Philadelphia Ave. and 5th St., Baltimore, Md., at $1.39 per cu.yd. Noted Oct. 25.

Streets and Roads

Proposed Work

New York—See "Bridges."

N. Y., Buffalo—G. Fisk, comr. Pub. Wks., Municipal Bldg., rejected bids Oct. 11, paving Springer, Delaware and Highland Aves., Breckenridge and Dundee Sts. Noted Oct. 4.

N. J., Union City—Bd. City Council, City Hall, sheet asphalt on concrete paving Summit Ave., 31st and Sip Sts. $25,000. J. C. Maulbeck, city engr.

N. J., Union City—Bd. City Council, City Hall, grading, paving approach to 14th St. viaduct. $50,000. J. E. Maulbeck, city engr.

O., Lisbon—Comrs. Columbiana Co. bids in spring improving 1.51 mi Canton-Salem Rd., $50,000—grading, concrete surfacing 2 mi. North Georgetown-Homeworth Rd., $50,000—$55,000—6 mi. Summitville-Kensington Rd., $150,000. L. C. Kirk, Lisbon, engr.

Mich., Flint—Genesee Co., grading, one course concrete paving 17¼ mi. 5 roads. J. H. Dennis, Court House, engr.

Ill., East St. Louis—Soon takes bids 4 ft. widening on each side, asphalt or asphaltic concrete resurfacing 28 blocks State St. $123,600. W. McK. Brown, City Hall, engr.

Kan., Jetmore — Hodgeman Co. grading, culverts, 13.169 mi. U. S. Hy. 50-N, Federal Aid Project 359-B, 30 ft. L. A. Hunter, Jetmore, co. engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans grading, concrete paving Hampton Ave. $256,438 — asphalt, warrenite or concrete paving 7,000 ft. Eichelberger St., 60 ft.—4,250 ft. Donovan Ave., 40 ft. A. Brooks, City Hall, dir. Streets and Sewers.

Ark., Mena—Preliminary plans paving 10 blocks 4th, 8th, Mena and Port Arthur Sts., 30 and 56 ft. To exceed $25,000. K. D. Ford, mayor. Engineer not selected.

Texas—State Hy. Dpt., Austin, grading, bridging 9.233 mi. Hy. 17, Scurry Co. from Nolan Co. line to Hermleigh. $45,000. S. C. Dougherty, Snyder, resident engr.

Tex., El Paso—El Paso Co. paving 2 mi. Hy. 1, east of here, 20 ft. $60,000. F. E. Wilson, El Paso, co. engr.

Tex., Houston—Harris Co. grading, concrete paving 19.904 mi. Hy. 6, Federal Aid Project 535-B, 18 ft. $400,000. A. J. Wise, Houston, co. engr.

Oklahoma — State Hy. Dpt., Oklahoma City, grading 12 mi. Hy. 4, 30 ft., Caddo Co.—7.5 mi. U. S. Hy. 75, 30 ft., Hughes Co.—graveling 7.5 mi. Hy. 18, 18 ft., Murray Co.—8 mi. Hy. 18, 30 ft., Osage Co. $25,000 each. C. R. Mandigo, hy. engr.

Okla., Maud — Grading, concrete paving 14,000 sq.yd. Monroe, Madison, Allen Sts. $25,000 or more. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Oklahoma City — Grading, sheet asphalt paving 15,000 sq.yd. 18th, 19th, 20th and 21st Sts., $25,000 or more; grading, concrete paving 12,000 sq.yd. Virginia, Byers and 32nd Sts., $25,000 or more, both 30 ft. wide. W. W. Small, City Hall, engr.

Okla., Tulsa—Preliminary plans grading, concrete paving 8,000 sq.yd. Jasper St. To exceed $25,000. B. M. Hart, City Hall, engr.

Wash., Seattle — King Co. appropriated $1,666,000, constructing, maintaining roads. D. Evans, Court House, co. engr.

Calif., Alameda — Asphaltic concrete paving Buena Vista and Santa Clara Aves. $150,000. B. Hamilton, city engr.

Calif., Los Angeles — Los Angeles Co., grading, guttering, curbing, 8-6-6-8 in. concrete paving 86,330 sq.ft. Gerhardt St. To exceed $25,000.

Que., Greenfield Park—Town Council expending $25,000, constructing roads, sidewalks.

Bids Desired

Massachusetts—Nov. 13, by Dpt. P. Wks., State House, Boston, bituminous macadam paving 21,943 ft. hy. in Sandisfield and Tolland — 16,830 ft. Winchendon — gravel and bituminous macadam paving 4,270 ft. Palmer—bitulithic concrete paving 9,253 ft. Falmouth. W. F. Williams, comr.

N. Y., Brooklyn—Nov. 14, by J. J. Byrne, Pres. Brooklyn Boro, Boro Hall, grading, flagging West 6th St. and Avenue Z—granite on sand paving Meserole St.—bituminous macadam paving West 2nd St.—sheet asphalt on concrete paving Ryder Ave., East 39th, East 40th, Lorimer, 64th and 73rd Sts.

N. Y., Long Island City — Nov. 15, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sheet asphalt on concrete paving Queens Blvd., 69th St. (Fisk Ave.) Fisk and Woodside Aves.

N. Y., New York—Nov. 15, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing, flagging, sheet asphalt on concrete paving, 59th (Grand Army Plaza) and West 165th Sts., Audubon and St. Nicholas Aves.

N. J., North Bergen (Ind. br. West New York)—Nov. 22, by Twp. Comn., Town Hall, curbing, sidewalks, sheet asphalt or reclipped block on concrete paving Delaware Ave. from State St. northerly. $25,000. R. Glenn, town engr.

Pennsylvania — Nov. 23, by State Hy. Comn., Harrisburg, grading, rein.-con. paving and 1 bridge on 28 mi. 8 projects in Berks, Cambria, Indiana, Lawrence, Lehigh, Venango, Warren and Erie Counties. J. L. Stuart, secy. hys.; adv. E. N.-R. Nov. 8.

Md., Baltimore—Nov. 14, by Bd. Awards, sheet asphalt paving 12,700 sq.yd. Contr. 492. N. L. Smith, hys. engr.

Florida—Nov. 27, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee, plain concrete and asphalt on 8 in. compacted Florida lime rock paving 10 mi. Rd. 1, F. A. Project 52, Escambia Co.—surface treating on 8 in. compacted Florida lime rock paving 5.45 mi. Rd. 1, F. A. Project 6, Madison Co.—12.23 mi. Rd. 50, Project 763, and 7 mi. Rd. 50, Project 765, Suwannee Co.—clearing 34.8 mi. Rd. 25, Project 806-A, 806-C and 806-D, Hendry Co.—hydraulic embankment for approaches to Turkey Creek Bridge, Rd. 4, F. A. Project 40-B, Broward Co. J. L. Cresap, state hy. engr.

Fla., Dade City—Nov. 14, by Bd. City Comrs., rock paving 28½ mi. roads, Dist. 1.

Alabama—Dec. 3, by State Hy. Comn., Montgomery, grading 12 mi. hy. between Glencoe and Gadsden, Etowah Co. W. Finnell, hy. dir.

Alabama—See "Bridges."

Ala., Birmingham — Dec. 5, by City Comn., 2 in. asphalt on 6 in. concrete paving 2 blocks Buffalo St., Ensley, $7,750—2 blocks Ave. Z, Ensley, $11,200—4 blocks 17th St., $21,000—6 blocks 12th St. S., $27,000. A. J. Hawkins, city engr.

Ala., Montgomery—Nov. 13, by City Comn., paving 15 blocks Winona, Gilmer, and Felder Aves., Carter Hill and Norman Ridge Rds. $50,000. J. M. Garrett, city engr.

Miss., Holly Springs—Nov. 19, by C. N. Dean, mayor, grading, concrete paving 10,400 sq.yd. R. L. Totten, Inc., B. M. Bldg., Birmingham, Ala., consult. engrs.

Louisiana—Nov. 22, by State Hy. Comn., Baton Rouge, grading, graveling Bossier City-Minden Hy., Bossier and Webster Parishes. J. M. Fourmy, Baton Rouge, hy. engr.

La., New Orleans—Dec. 4, by City grading, sidewalks, concrete paving Daniel St. from Phillips to Harmony Sts., Daniel St. from Peniston to Octavia Sts., Hamilton St. from Forshey to Palmetto Sts., Hamilton St. from Palmetto to Last Sts.; Forshey, Dryades, Canal Sts. $785,000. Noted July 12.

Tenn., Springfield — Nov. 12, by J. R. Adams, city clk., grading, sheet asphalt paving 14,000 sq.yd. 5th, Hill, Garner and Cemetery Sts. $25,000. Long & Co., Bennie-Dillon Bldg., Nashville, engrs.

O., Columbus—Nov. 13, by W. H. Duffy, dir. Serv., grading, necessary sewer and water connections, paving 13,765 sq.yd. Rosethorne St., Morning, Doton, Elmwood and Webster Park Aves., brick $101,798, asphalt $87,963 — 54,160 sq.yd. Ashland Ave., brick $28,788, concrete $25,910—17,800 sq.yd. Summit St., brick $146,256, asphalt $131,395, asphalt with brick gutter $135,517.

O., Garfield Heights (br. Cleveland) — Nov. 19, by Village, vitr. brick and bituminous concrete paving Havana Rd., Wallingford Ave. and East 114th St. To exceed $25,000. R. Munz, Town Hall, engr.

Kan., Abilene—Nov. 14, by C. A. Moore, clk. Dickinson Co., sand graveling 4.9 mi. Project 704; 7.4 mi. Project 705, both 28 ft. C. L. Nicholay, Court House, engr.

Kan., Marion—Nov. 16, by Clerk Marion Co., grading 12.369 mi., nine 8 ft. multiple box, three 35 ft. deck girder spans or one 60 ft. arch span, also two 35 ft. deck girder spans or one 70 ft. arch span bridges, Project 50-N-22, F. A. 317-B. C. M. Hartsock, Court House, engr. Noted July 19.

Mo., Plattsburg — Nov. 13, by T. F. Downey, clk., grading, curbing, 7 in. rein.-con. paving 11,335 sq.yd. Bway. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Texas—Nov. 19, by G. Gilchrist, state hy. engr., Austin, grading 12.291 mi. Hy. 9, Sterling Co., $46,800—4.557 mi. Hy. 123, Hays Co., $30,600—12.12 mi. Hy. 32, Leon Co., $50,400—17.193 mi. Hy. 23, Shackelford Co., $99,000.

Okla., Muskogee — Nov. 12, by R. P. Chandler, city clk., grading, concrete paving 20,000 sq.yd. Broadway, 6th, Callahan, C, and Houston Sts. To exceed $25,000. H. Dixon, Muskogee, engr.

Okla., Oklahoma City—Nov. 12, by J. W. Berry, clk. Oklahoma Co., grading 17 mi. roads. $41,000. R. S. James, Court House, engr.

Arizona—Nov. 13, by State Hy. Comn., Phoenix, improving 14 mi. Casa Grande-Gila Bend Hy., Sect. B—2 bridges, culverts on Superior-Miami Hy. A.F.E. 666 and 655. W. C. Lefebvre, state hy. engr.

Washington—See "Bridges."

California—Nov. 21, by State Hy. Comn., Sacramento, grading, oil treated crushed gravel or stone surfacing 10.3 mi. road between Cottonwood Creek and Diaz, Inyo Co.—10.6 mi. road between Lucerne and Clear Lake Oaks, Lake Co.—grading 6 mi. road at Hilton Creek, Mono Co. C. H. Purcell, Sacramento, engr.

Contracts Awarded

Vermont — State Hy. Dpt., Montpelier, rein.-con. paving 4.4 mi. hy. in Bethel, Barre and Montpelier, to L. C. Longhi & Son, 169 Hoffman St, Torrington, Conn., $89,895. Noted Oct. 18.

Mass., Boston—Dpt. P. Wks., bitulithic paving Howland St., Ward 13, to J. C. Coleman & Sons Co., 1620 Tremont St., $32,048. Noted Oct. 4.

Mass., Boston—Dpt. P. Wks., bitulithic paving Greaton Rd., Ward 20, to J. McCourt Co., 910 Huntington Ave., $24,551.

Mass., Boston—Dpt. P. Wks., bituminous macadam paving Ashley St., Ward 1, to A. DeStefano, 288 Summer St. Est. $25,000.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tre-

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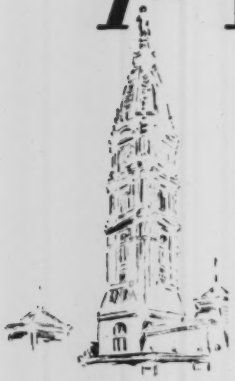
In PHILADELPHIA



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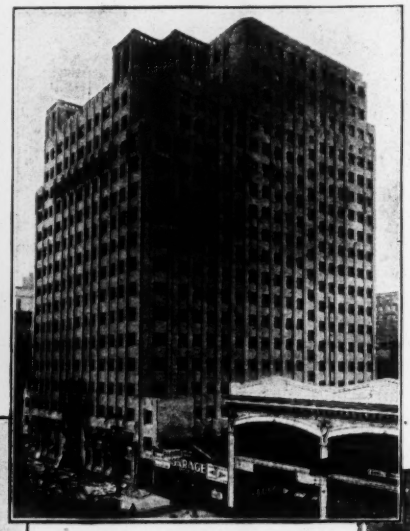
Mastbaum Theatre

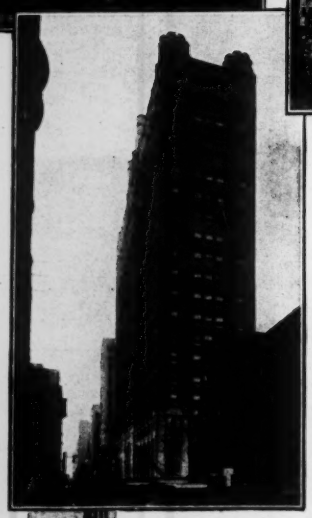
Office Building in West Washington Square



Above:
Insurance Company of North America Building

Right:
Mitten Building and Fox Locust Theatre

Below:
Liberty Title and Trust Company Building



Above:
Hahnemann Hospital Annex

Right:
Packard Building

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BETHLEHEM
Wide-Flange
STRUCTURAL SHAPES

Streets and Roads (Continued)

mont Aves., to Casper Helbeck, Inc., 633 Wales Ave., asphalt block paving Andrews Ave., $18,464—to Bronx Asphalt Corp., sheet asphalt on concrete paving LaCombe Ave., $5,061; Arnow Ave. $34,820; Burr Ave. $12,288—to Asphalt Constr. Co., 2197 Madison Ave., Hall Pl., $3,480; River Ave. $21,915—to C. D. Beckwith, Seneca Ave. and Edgewater Rd., Harrison Ave., $6,034—to M. C. Seelig, 44 Court St., Brooklyn, grading, curbing, sidewalks on Fenton Ave., $4,062—to F. Gabrielle, 2750 Creston Ave., grading Wilcox Ave. $10,331—Mace Ave. $4,124—to I. F. Cavaluzzo, 1300 Cromwell Ave., 231st St., $8,550—to P. J. Kearns, 2306 Creston Ave., Allerton Ave., $14,631—to Anita Constr. Co., 440 East 200th St., sewer in Nereid Ave., $31,860. Grand total $175,620. Noted Oct. 11.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving 10th Ave., to Asphalt Constr. Co., 2197 Madison Ave., $161,780; 11th St., to E. T. Barry, 126-06 139th St., Laurelton, $22,725; 40th St., to St. George Paving Co., 415 Lexington Ave., $34,400; 12th Ave., to Sicilian Asphalt Paving Corp., 41 Park Row, $133,280; Canal St., to Casper Helbock Co., 633 Wales Ave., $96,215. Grand total $448,400. Noted Oct. 18.

N. Y., New York — H. Bruckner, pres. Bronx Boro, granite block paving East 133rd St., to Meehan Paving Co., 90 West St., New York, $43,901; Exterior St., to St. George Paving Co., 90 West St., $38,-525. Noted Oct. 18.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening, granite block repaving 62nd St. and asphalt repaving Cherry St., to Regan Towers Co., 124 West 124th St., $31,572 and $8,979 respectively — sheet asphalt repaving 6th Ave., to Meehan Paving & Constr. Co., 90 West St., $35,698—Thayer St., to Merrit Griffin & Co., $2,691—granite block repaving 12th Ave., to W. J. Fitzgerald, Grand Central Terminal, $22,564. Grand total $299,504. Noted Oct. 4.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving Bway., and concrete paving Carteret St., to J. E. Donovan Paving Co., Inc., 2205 Richmond Terrace, Port Richmond, $11,708 and $29,495 respectively. Noted Oct. 18.

New Jersey—State Hy. Comn., Trenton, paving 3 mi. Route 29, Union Co., to William Eisenberg & Sons, Inc., Smith-Austermuhl Bldg., Camden, $275,106. Noted Sept. 13.

New Jersey—State Hy. Comn., Trenton, grading, paving Brunswick Pike-New Brunswick Rd., to Bergoff-Clemente, 473 Bway., Bayonne, $130,652; South Amboy-Cheesequake Rd., to C. Sebolt, 16 Richmond St., New Brunswick, $270,243. Noted Oct. 18.

N. J., Englewood — Bd. Freeholders Bergen Co., Court House, Hackensack, paving Lafayette Ave., to G. M. Brewster & Son, Fort Lee Rd., Bogota, $70,510.

N. J., Jersey City—Bd. Blvd. Comrs., Court House, sheet asphalt on concrete paving Hudson Blvd. E. from 7th St., Weehawken, to 35th St., North Bergen, to Clinton Asphalt Co., 308 16th St., Union City, $52,747. Noted Oct. 11.

N. J., Woodbridge—Bd. Freeholders Middlesex Co., Court House, New Brunswick, improving Woodbridge Ave., Raritan Twp., to Utility Constr. Co., 5 Spring St., New Brunswick, $64,317. Noted Sept. 27.

Pa., Phila. — Dpt. P. Wks., Bureau of Hys., to W. J. Harper, 430 East Moyer St., grading Berbeck and Chandler Sts. $3,525; 71st St. $3,686—to Root Bros., Ridge Ave. and Righter St., Chandler, Napfle, Hartel and Large Sts. $20,493—to J. Ciccone, 5732 Westminster St., Palmetto St. $10,112—to R. B. Wenner, 2819 West Gordon St., Paschall St. $923—to J. F. Malloy, 15 East Mermaid Lane, Walker St. $466—to Eastern Ashphalt Co., Penn Bldg., asphalt paving (assessment work), Comly St. $8,823; asphalt repaving Huntingdon St. $8,196; Lyceum St. $14,815; Moyamensing St. $24,933—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work), Sheffield St. $28,361—to Barber Asphalt Co., Hunting Park Ave. at E St., asphalt repaving Green St. $12,910; York St. $44,973; 35th St. $10,-574. Grand total $192,790. Noted Oct. 18.

Pa., Pittsburgh—Grading, curbing, paving Sebring Ave., to Dunn & Ryan Contg. Co., Swineburne Ave. $37,797. Est. $45,000.

South Carolina—State Hy. Comn., Columbia, concrete paving 12.1 mi. hy. in Aiken and Saluda Counties, to R. G. Lassiter & Co., Raleigh, N. C., $284,714—13.5 mi. Anderson, Oconee and Pickens Counties, to Langston Constr. Co., Orlando, Fla., $252,446—9.5 mi. Dorchester Co., to F. J. McGuire, Durham, N. C., $200,636—topsoiling 4.9 mi. Cherokee Co., to Mabry & Deneen, Union, $16,900—8.6 mi. Chesterfield Co., to J. L. Carroll, Columbia, $39,551—9 mi. Greenwood Co., to Langford & Milford, Greenwood, $38,022—4.4 mi. Laurens Co., to Langford & Milford, Newberry, $36,-477—17 mi. Spartanburg Co., to Smith & Bradfield, Macon, Ga., $96,891—8.4 mi. Union Co., to W. C. McCoy, Lafayette, Ala., $48,877—treated timber, structural steel bridge, Chester Co., to D. M. Rickenbaker, Union, $24,434—timber bridge and concrete pier, to Palmer Constr. Co., $11,506, and furnishing, erecting three 87 ft. steel pony spans over Keowee River, to Austin Bros. Bridge Co., 1195 Mickleberry St. S. W., Atlanta, Ga., $7,765, both Oconee and Pickens Counties. Grand total $1,058,219. Noted Oct. 18.

Ala., Birmingham—City Comn., 2 in. asphalt on 6 in. concrete paving 4 blocks 26th St., to Morgan-Hill Constr. Co., Woodward Bldg., $15,349—3 blocks 10th Ave. N., to Newell Constr. Co., Martin Bldg., $16,416—1 block 9th Court, to Walter H. Bryson Constr. Co., American-Traders Bldg., $1,195. Grand total $32,960. Noted Sept. 6.

Ala., Montgomery — City, asphalt, bitulithic concrete or asphaltic concrete paving 14,000 sq.yd. Fairview Ave., to McCalla & Keenan, Montgomery, $37,266.

Ky., Louisville—Asphalt paving Bardstown Rd., to Henry Bickel Co., 443 Grand St., $36,000—concrete paving streets, to G. M. Eady Co., Brook and Lee Sts., $6,000—repaving 43rd St., to Andrews Asphalt Paving Co., Inter-Southern Bldg., $11,000. Grand total $53,000.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete paving 1 mi. Sect. O-1, Mercer Co., to Hinton & Smaley, Celina, $32,667—grading 4.959 mi. Sect. F-3, Youngstown-Libson Rd., Columbiana Co., to C. Agresta, Cleveland, $25,595. Noted Oct. 4.

Mich., Saginaw West Side—Saginaw Co., grading, rein.-con. paving Kraft Rd., Frankenmuth Twp., to Midland Contg. Co., Porter and Washington Sts., Saginaw, $32,000.

Ill., Chicago—Cook Co. Comn., County Bldg., paving 1 mi. Taft Rd., to Broadway Constr. Co., 205 West Wacker Dr., $32,642—2.2 mi. 26th St., to A. Ward & Son, Oak Glen, $153,450—4.1 mi. Des Plaines Rd., to Jaicks Bros., 77 West Washington St., $245,655—grading, paving approaches to Sag Channel Bridge, Harlem Ave. to Allied Constr. Co., 80 East Jackson Blvd., $60,-988. Grand total $492,735. Noted Oct. 11.

Minnesota—State Hy. Comn., St. Paul, graveling 24,000 cu.yd. State Project 20-34, to Duncan Bros., Cannon Falls, $33,849. Est. $25,000. Noted Oct. 18.

Nebraska—State Dpt. P. Wks., Lincoln, to Abel Constr. Co., 308 Terminal Bldg., Lincoln, grading 4.2 mi. Adams Co. $9,561; 2.8 mi. Clay Co., $7,757—to J. E. Tift, Omaha, 7.9 mi. Greeley Co. $32,840; graveling 9 mi. Project 606-B $14,760—to Central Bridge & Constr. Co., Wahoo, 6.2 mi. Gage Co. $7,600; 0.7 mi. Saunders Co. $4,382—to Norfolk Bridge & Constr. Co., Norfolk, 5.5 mi. Nance Co. $15,935; 11.5 mi. Project 295-K $15,478—to Koehler Constr. Co., Sterling, 2.5 mi. Gage Co., $3,838; 4 mi. Project 175-K $6,128; 2.7 mi. Johnson Co. $4,184; 2 mi. Project 218-A $3,992—to A. C. Lund, Kearney, Project 66-B, $7,980; 12 mi. Project 606-A, $13,238—to Metz Constr. Co., Springfield, culverts on Project 611-A $2,286; Project 660-B $4,597—to Yant Constr. Co., 813 Omaha Natl. Bank Bldg., Omaha, Project 65-A $12,330—to Keim Constr. Co., Tecumseh, Project 606-B $993—to Fremont Constr. Co., Fremont, 2 bridges on Project 611-A $3,280; 1 bridge Project 611-B $1,760—to Diamond Eng. Co., Grand Island, 2 bridges Project 65-A $2,784—to Dan Quinton, Kearney, cattle pass $690. Grand total $178,393.

Montana — State Hy. Comn., Helena, grading 6.06 mi. Lewis and Clark Co., to T. Staunton, Great Falls, $17,520—12.329 mi. Hill Co., to Lyon & Price, 503 West 14th Ave., Spokane, Wash., $60,746—6.965 mi. Lewis and Clark and Jefferson Counties, to Collison & Dolven, Billings, $16,-937—5.969 mi. Roosevelt and McCone Counties, to Lalonde Constr. Co., Bainville, $57,812—Paradise Bridge, Sanders Co., to R. E. Mieth, Portland, Ore., $196,229—redecking Huntley Bridge, Yellowstone Co., to Threet Bros. Constr. Co., P. O. Box 821, Sheridan, Wyo., $11,400. Grand total $360,644.

Oklahoma—State Hy. Dept., Oklahoma City, sheet asphalt surfacing 64,100 sq.yd. Choctaw Co., to T. E. Ward, 4401 Classen Bldg., Oklahoma City, $90,284, est. $100,-000; 132,250 sq.yd. Okfuskee Co., to C. S. Beekman, 1201 West 19th St., Oklahoma City, $186,613, est. $200,000. Noted Oct. 18.

Okla., Oklahoma City—Grading, sheet asphalt paving 15,000 sq.yd. Noble St., to Western Paving Co., Petroleum Bldg., $73,-270. Est. $78,000.

California—State Hy. Comn., Sacramento, grading, paving 1.3 mi. Contra Costa Co., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $49,544; 5 mi. Solano Co., to Mankel & Staring, 2924 35th St., Sacramento, $35,178. Noted Oct. 4.

Calif., Los Angeles—Grading, 8 in. concrete paving 281,784 sq.ft. Devonshire and Payton Impvt. Dist., to G. W. Ellis, 1005 Kenneth Rd., Glendale, $78,645.

Calif., Oakland—For 8 in. concrete paving 136,000 sq.ft. quay area at airport, to J. H. Fitzmaurice, 354 Hobart St., $49,916. Noted Oct. 25.

Quebec—Roads Dpt., Parliament Bldgs., Quebec, J. L. Boulanger, deputy minister, paving Montreal-Malone Rd. at St. Martin, to Macurban Asphalt, Ltd., 702 Sherbrooke St. W., Montreal, $290,309—Hull-Maniwaki Rd. at Wakefield, and graveling Hull-Maniwaki-Mont Laurier Rd. at Low, to La Societe Generale de Ponts & Chaussees, Ltd., 10 Cathcart St., Montreal, $85,139 and $30,775 respectively — Levis-Jackman Rd. and Georges-Lac Frontiere Rd., to Poulin & Boily, St. Georges East, $38,010 and $3,828 respectively. Grand total $448,061.

Manitoba—Dpt. Hys., Parliament Bldgs., Winnipeg, grading 26 mi. in South Cypress and Oakland, to Stevens Bros. Ltd., Winnipeg, $76,891.

Saskatchewan — Dpt. Hys., Parliament Bldg., Regina, H. S. Carpenter, deputy minister, graveling 6 mi. Insenger South, to A. Mamozas, Prince Albert, $16,000—9 mi. Chamberlain to Aylesbury, to Roosa & Milkstrand, Lloydminster, $24,000.

B. C., Point Grey — Concrete, asphaltic concrete paving, to General Constr. Co., 736 Granville St., $20,616—to Dawson Wade & Co., 500 Beatty St., $15,525—to G. W. Lidingham, Oak and Goodmurphy Sts. $6,176—to Harrison & Lamond, 615 Hastings St. W., $5,686, all in Vancouver. Grand total $48,003.

Public Bond Elections

Coming Bond Elections

Sewers — Pauls Valley, Okla., Nov. 20, $30,000.

Sewers—Monterey, Calif., Peninsular Sanitary Dist., $25,000.

Sewers and Waterworks — Capreol, Ont., December, $150,000.

Irrigation — Dos Palos, Calif., Drainage Dist., $97,000.

Roads — Collingsworth, Tex., Nov. 24, $400,000.

Bonds Voted

Filtration Plant—Lafayette, La., $125,000.

Waterworks — Ozark, Mo., $30,000. A. C. Adams, Engr.

Waterworks—Alpine, Tex., $75,000.

Waterworks—Jacksonville, Tex., $75,000.

Waterworks—Gould, Okla., $59,000.

Sewerage System — Many, La., $50,000. Swanson & McGraw, New Orleans, Engrs.

Sewerage System—Alpine, Tex., $50,000.

Irrigation — Cameron County, Tex., Water Impvt. Dist. 10, $680,000. W. O. Washington, Brownsville, Engr.

Paving—Shelbyville, Tenn., $50,000. W. A. Fuller Co., Nashville, Engr.

Road—Caldwell County, Tex., $150,000.

Paving—Jacksonville, Tex., $100,000.

Bonds Defeated

Waterworks—Soldier, Kan., $30,000.

Irrigation—San Diego, Calif., $170,000.

Natural Gas System — Muskogee, Okla., $1,250,000.

Buildings—Industrial

Proposed Work

Mass., Cambridge (br. Boston) — MACHINE SHOP—Blanchard Machine Co., 64 State St., sketches 1 story, 90 x 100 ft., brick, steel addition, wood pile found., Osborn and Smart Sts. C. T. Main, 201 Devonshire St., Boston, engr.

Mass., Cambridge (br. Boston)—MANUFACTURING—Cambridge Rubber Co., 748 Main St., 5 story, 80 x 180 ft., brick, rein.-con., plain found., 750 Main St. $100,000. Engineer and architect not selected.

Mass., Malden (br. Boston) — PLANT — Swift & Co., 60 North Market St., Boston, soon lets contract 2 story, basement, 75 x 80 ft. meat distributing plant, brick, steel, Charles and Middlesex Sts. $85,000. Private plans.

Conn., Bridgeport—ICE CREAM PLANT—Mitchell Dairy Co., 745 North Ave., brick, North Ave. $40,000. Engineer and architect not selected.

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Buildings—Industrial (Continued)

N. Y., Brooklyn—SERVICE GARAGE—Chipkin Bros., 804 Park Ave., plans by W. F. Doyle, 11 Johns St., New York, 2 story, 100 x 125 ft., brick, concrete, Park and Throop Aves. $40,000.

N. Y., New York—SERVICE GARAGE—Tadpole Building Co., W. Steinman, pres., 101 Park Ave., plans by M. J. Ort, 424 East 149th St., 6 story, 80 x 102 ft., brick, concrete, 234 East 85th St. $100,000.

N. Y., St. George—SERVICE GARAGE—F. Cooley, 107 Central Ave., 75 x 100 ft., brick, concrete, Montgomery Ave. and Fort Pl. $150,000.

N. Y., St. George—SERVICE GARAGE—St. George Gardens, Inc., 26 Court St., Brooklyn, plans by S. Gardens, Inc., 44 Court St., Brooklyn, brick, concrete, Henry and Cleveland Sts. $40,000.

N. J., Elizabeth—FACTORY—Amer. Gas Accumulator Co., Newark Ave., soon lets contract altering and constructing 1 story, 60 x 140 ft. brick, steel addition, plain found., Newark Ave. $40,000. W. L. Finne, 91 Broad St., archt.

N. J., Jersey City — REPAIR SHOP — Liberty Auto Radiator Co., 3218 Hudson Blvd., plans by Flagg & Stades, 665 Newark Ave., 2 story, basement, brick, steel, plain found., 3218 Hudson Blvd. $40,000. Noted Nov. 1.

N. J., Orange—DRESS FACTORY—Owner, c/o C. H. Baldwin, archt., 350 Main St., 2 story, basement, 50 x 100 ft., brick, steel, plain found., 26 Canfield St. $40,000.

Pa., Scranton — MANUFACTURING — L. V. Lacy, archt., 45 Owen St., Forty Fort, soon lets contract 2 story, basement, 62 x 274 ft., brick, steel, plain found., South Washington Ave., for B. Edward David, Inc., 325 Alder St. Noted Oct. 25.

Md., Baltimore—ICE CREAM PLANT—Maryland Creamery Co., 1726 East Pratt St., revised plans by McCromick & Co., 121 South Nagley St., Pittsburgh, Pa., brick plant addition, 127 Register St. $200,000.

D. C., Wash.—BAKERY—General Baking Co., 420 Lexington Ave., New York, sketches by C. B. Comstock, 110 West 40th St., New York, bakery, Georgia Ave. and W St. N. W. $200,000.

N. C., Charlotte — PLANT — McClaren Rubber Co., c/o Ajax Rubber Co., Richmond, Va., preparing plans plant addition and tire building machinery. To exceed $40,000.

Tenn., Cleveland — PLANT — Tennessee Enamel Mfg. Co., sketches plant, incl. machine shop unit, on 8 acre site. $250,000. W. B. Evans, Sterling Court, Nashville, secy.

Ky., Frankfort — PLANT — Kentucky Cement Corp. cement plant. $2,500,000. Hunt Eng. Co., 701 New York Life Bldg., Kansas City, Mo., engrs.

O., Canton — FACTORY — Canton Drop Forge Mfg. Co. soon takes bids 1 story, 70 x 320 ft., concrete, steel, Harrison Ave. S. W. $100,000.

O., Canton—FACTORY—Hercules Motor Corp., H. H. Timken, chn. bd., soon takes bids 1 story, 80 x 180 ft., concrete, brick, steel factory. $55,000.

O., Canton—FACTORY—Timken Roller Bearing Co., soon takes bids 1 story, brick, steel, stone, 40,000 sq.ft. floor space, Park Ave. S. W. and Lawn Ave. S. W. $100,000.

Ind., Anderson—SUB-STATION—Indiana General Serv. Co., Muncie, electrical substation east of here, near State Rd. 67, to furnish reserve power for Anderson and 50% of power for Delco-Renny Corps. 7 plants, new steel towers from here to Muncie. $600,000.

Mich., Detroit—CAR STORAGE—Packard Motor Car Co., 1580 East Grand Blvd., plans by A. Kahn, 1000 Marquette Bldg., 2 story, 130 x 380 ft., rein.-con., brick top addition. $150,000.

Mich., Detroit—FACTORY—Ajax Bolt & Screw Co., 6623 Gratiot Ave., rebuilding 2 story, brick, steel, plain found., Gratiot Ave., recently destroyed by fire. $50,000. Private plans.

Ill., Chicago — FACTORY — Pyroylin Products, Inc., 1800 West 74th Pl., plans by A. Epstein, 2001 West Pershing Rd., 1 and 2 story, 40 x 115 ft., brick, 4851 South St. Louis Ave. $40,000.

S. D., Sioux Falls—REPAIR and SERVICE GARAGE—M. Gerin soon takes bids 1 story, 88 x 140 ft. repair and service garage, 11th Ave. and Main St. S., for Chevrolet Sales & Service Garage. $50,000. Hughill & Blatherwick, 367 Boyce-Greeley Bldg., archts.

Mo., Kansas City — MANUFACTURING —Siedlitz Paint & Varnish Co., 19th and Garfield Sts., fireproof, 18th and Euclid Sts. To exceed $150,000. Private plans.

Okla., Oklahoma City—FACTORY—Independent Concrete Pipe Co., 201 North West St., Indianapolis, Ind., sketches factory, 12th and Pennsylvania Sts. $50,000. Private plans.

Colo., Vineland (mail R. R. 2, Pueblo)—GRINDING MILL—Avondale Alfalfa Mill & Elevator Co., 1st Natl. Bank Bldg., Pueblo, rebuilding alfalfa grinding mill, recently destroyed by fire. $50,000.

Ont., Hamilton—PLANT—Canadian Cottons Ltd. plant. $200,000.

Ont., Hamilton—MILLS—Mercury Mills Ltd. plant addition. $150,000.

Ont., Hamilton—PLANT—I. B. Moody Co. plant addition. To exceed $100,000.

Ont., Hamilton—FACTORY—Zimmerknit Mills Ltd. plant addition. $75,000.

Ont., Mount Forest—WOOLEN MILL—Guelph Felt Co., R. Dodds, rebuilding woolen mill, Saugeen St, recently destroyed by fire $40,000 loss.

Ont., Windsor — FACTORY — Chrysler Corp. of Canada, J. D. Mansfield, mgr., 300 Tecumseh Rd., plans by Hutton & Souter, 6 James St. S., Hamilton, and takes bids about Nov. 14, 5 story, 280 x 1,000 ft. main factory, 280 x 1,000 ft. monitor plant, 60 x 450 ft. loading dock and storage, power house, all brick, steel, Tecumseh Rd. $1,500,000. Noted Oct. 18.

Bids Desired

Mass., Boston—PLANT—See "Contracts Awarded."

Mass., Cambridge (br. Boston) — FACTORY—See "Contracts Awarded."

Mass., Cambridge (br. Boston)—MANUFACTURING—See "Contracts Awarded."

Mass., Malden (br. Boston)—ICE MANUFACTURING PLANT—Boston Ice Co., 110 State St., Boston, (subsidiary Knickerbocker Ice Co., 41 East 42nd St., New York), taking bids 1 story, brick, plain found., Phillips Court. C. L. Weir, 41 East 42nd St., New York, archt.

Mass., Roxbury (sta. Boston)—SERVICE and REPAIR GARAGE and OFFICE—J. F. Morse & Co., 66 Norfolk St., taking bids 2 story, brick, steel, plain found., Norfolk St. $50,000. W. W. Drummey, Inc., 80 Boylston St., Boston, archt.

R. I., Providence—FOUNDRY—Brown & Sharp Mfg. Co., Promenade St., taking bids altering and constructing 1 story, irregular sized, brick addition, plain found., $40,000 or more. Jenks & Ballou, Grosvenor Bldg., engrs.

R. I., Providence — SERVICE and REPAIR GARAGE — Colt, Birmingham & Brady, Inc., 1 Reservoir Ave., taking bids 1 story, basement, 70 x 150 ft., brick, steel addition, plain found. $50,000. W. G. Richards, 72 Weybosset St., archts.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., North Pelham (mail New York)—PRINTING PLANT—Sanborn Map Co., 11 Bway., New York, bids about Dec. 1, on revised plans 2 story, brick, addition. $40,000. O. Cadmus, 157 East 44th St., New York, archt. Noted July 19.

O., Cleveland—INDUSTRIAL—Nov. 22, by State, c/o J. E. Harper, dir. P. Welfare, Columbus, 1 story, 125 x 125 ft., brick, steel, at State Farm. $110,000. H. B. Briggs, Hartman Hotel Bldg., Columbus, archt.

O., Wooster — FACTORY — McIntosh Hemphill Co., Oliver Bldg., Pittsburgh, Pa., taking bids 1 story, 100 x 328 ft., brick, steel addition. $150,000. Private plans. Noted Oct. 18.

Minn., Minneapolis—REPAIR and SERVICE GARAGE—Northwest Terminal Co., W. L. Badger, pres., East Hennepin Ave. and Stinson Blvd., taking bids 1 story, 65 x 144 ft., Roosevelt and Kennedy Sts. N.E. $40,000. Ekman, Holm & Co., 601 Phoenix Bldg., archts.

Mont., Great Falls—PLANT—International Harvester Co., W. D. Price, supt. construction, 606 South Michigan Ave., Chicago, Ill., taking bids 3 story, 127 x 335 ft. plant. $150,000.

Calif., Los Angeles—LAUNDRY, etc.—Owner, c/o W. J. Saunders, archt., 787 East Pico St., taking bids 5 story, 65 x 128 ft., steel, stone, rein.-con. laundry, 2 story, 40 x 50 ft. Class "A" office 1 story, 30 x 40 ft. Class "A" boiler room, 1621 South San Pedro St. $100,000.

Contracts Awarded

Me., Bingham—POWER PLANT—Central Main Power Co., Augusta, W. Wyman, pres., power development plant, incl. dam, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass. Est. $1,000,000.

Mass., Ashland — FACTORY — Warren Telechron Co., Ashland, altering and constructing 1 story, 75 x 180 ft., rein.-con., steel addition, plain found., to H. L. Hauser Building Co., 263 Summer St., Boston. Est. $40,000 or more.

Mass., Boston—PLANT—H. P. Hood & Sons, 494 Rutherford Ave., Charlestown, 1 story, 75 x 140 ft., brick, stone, plain found., Etna and North Beacon Sts., Brighton, separate contracts. $40,000 or more. Noted Sept. 6.

Mass., Cambridge (br. Boston) — FACTORY—W. Crane, 1 Hayward St., five 1 story, 60 x 100 ft., brick units, plain founds., Bent St., separate contracts. $75,000. Private plans.

Mass., Cambridge (br. Boston)—MANUFACTURING—Central Sq. Realty Trust, 161 Devonshire St., Boston, 3 story, light manufacturing building, brick, plain found., 12-18A Devonshire St., separate contracts. $40,000. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Chicopee Falls—FACTORY—Fisk Rubber Co., brick addition, Oak St., to Fred T. Ley & Co., Inc., 20 Providence St., Boston. Est. exceeds $40,000.

Mass., Fitchburg—MILLS, etc.—Crocker, Burbank & Co., Inc., 545 Westminster St., altering Mills 7 and 8, constructing storehouse and railroad trestle, Westminster St., to Wiley & Foss, Central St. Est. $40,000 or more.

Conn., New Haven — PLANT — Koppers Co., Waterfront St., 2 and 4 story, 42 x 85 ft., and 37 x 44 ft., coke screening plant and oven bin, 2 chimneys, 20 ft. diam., 250 ft. high, Alabama Ave., to Koppers Constr. Co., Alabama Ave., $153,500.

Conn., Stamford—WATER-GAS PLANT—Stamford Gas & Electric Co., 11-17 Bank St., 1 story, 50 x 104 ft., brick, steel, South St., to Semet-Solvay Eng. Co., 40 Rector St., New York. Est. $250,000.

N. Y., Auburn — SHOP — Commissioner Dpt. Correction, Albany, general contract shop building at Auburn Prison, to Wright & Kramers, Pine Ave. and Main St., Niagara Falls, $232,500. Noted Aug. 23. Sanitary work, to Barr & Creelman, 74 Exchange St., Buffalo, $22,500; electrical work, to Vanderlinde Wirley Co., Rochester, $11,361; heating, to W. W. Wetmore, Buffalo, $21,388.

N. Y., New York—SERVICE GARAGE—Koenig Leiser Realty Co., 391 East 149th St., service garage, Mayflower and Wilkinson Aves., separate contracts. $90,000. Cohn & Siegel, 45 West 57th St., archts. Noted Oct. 18.

Pa., Marcus Hook — PLANT — General Chemical Co., 1 story, acid plant, filter house, oil storage building, brick, steel, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O. Est. $100,000.

Pa., Phila.—RADIO FACTORY—Ballinger Co., archts., 12th and Chestnut Sts., 1 story, 515 x 911 ft., rein.-con., brick, steel addition, plain found., to W. Steele Sons Co., 15th and Race Sts. Est. $1,000,000. Noted Oct. 25.

Tenn., Kingsport — SILK MILL — Lockwood Greene Engineers, Inc., 100 East 42nd St., New York, 1 story silk mill, brick timber, known as Kingsport Silk Mills, to Pyle Bros., Kingsport, for D. Shapiro & Son, 65 West Madison Ave., New York. Est. $45,000.

O., Alliance — FACTORY—Alliance Aircraft Corp., 1 story, 60 x 300 ft., brick, steel, to A. J. Spies, Alliance, $40,000; steel, to Alliance Structural Steel Co., Alliance. Noted Oct. 18.

O., Akron — FACTORY — Genl. Tire & Rubber Co., C. J. Jahant, vice-pres., 1709 East Market St., remodeling and constructing 2 and 4 story, brick, steel addition, to C. W. & P. Constr. Co., 2nd Natl. Bank Bldg. Est. $200,000. Noted Oct. 25.

O., Cincinnati — FACTORY — Cincinnati Grinders, Inc., South Oakley St., 1 story, concrete, brick, steel, plain found., Forrer St., to Austin Co., 613 Dixie Terminal. $45,000.

O., Cleveland—FACTORY—Taylor-Lockwood Co., G. E. Collings, pres., 2224 Clarkwood Rd., 3 story, basement, 48 x 64 ft., brick, steel, 2224 Clarkwood Rd., to deHamel Constr. Co., Plymouth Bldg. Est. $40,000.

Mich., Detroit—CAR STORAGE—Packard Motor Car Co., 1580 East Grand Blvd., 2 story, 130 x 383 ft., rein.-con. addition, to Everett Winters Co., 1651 East Grand Blvd. Est. $150,000.

Mich., Hamtramck (br. Detroit) — BLACKSMITH SHOP — Dodge Bros. Div. of Chrysler Corp., 341 Massachusetts Ave., Highland Park, 1 story, concrete, brick steel, plain found., Conant Rd., to Gallagher-Fleming Co., 6500 Epworth Blvd., Detroit. Est. $50,000.

Mich., Jackson—MOTOR SHAFT FACTORY—Jackson Motor Shaft Co., Tyson St. and Michigan Central R.R., 1 story, 50 x 270 ft., brick, timber, Tyson St., to J. F. Braun, 414 South Gorham St. Est. $45,000.

Ill., Chicago — POWER STATION — Illinois Steel Co., South Chicago, 1 story, 92 x 202 ft., 8665 Burley St. Owner builds. $175,000.

Ia., Cedar Rapids—BAKERY—Colonial Baking Co., c/o J. A. Walsh, 1500 5th Ave. E., 1 story, basement, 120 x 150 ft., rein.-con., brick, 800 5th Ave. E., to Foge

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Buildings—Industrial (Continued)

Constr. Co., 619 Reliance Bldg., Kansas City, Mo Est. $55,000. Will install equipment costing $100,000.

Tex., **Dallas**—POWER PLANT—Dallas Power & Light Co., Interurban Bldg., improving plant. $2,500,000. Owner builds. Private plans.

Buildings—Commercial

Proposed Work

Me., Portland—STORE and OFFICE—Lerner Stores Corp., 354 4th Ave., New York, revised plans by C. M. Winston & Bros., 22 Columbus Circle, New York, 2 story store and office building, 551 Congress St. Est. $150,000.

Mass., Boston — HOSPITAL—Massachusetts General Hospital, Fruit St., revised plans by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., 11 story, basement, 45 x 190 ft., rein.-con., steel hospital for people of moderate means, plain found., Fruit St. $1,500,000. Former bids rejected.

Mass., Cambridge (br. Boston)—WAREHOUSE—Beacon Warehousing Trust, 79 Milk St., Boston, plans by W. Dykeman, 10 Devonshire St., Boston, 3 story, irregular sized, brick, steel, rein.-con., plain found., Commercial St. $150,000.

Mass., Chelsea (br. Boston)—TEMPLE—Temple Beth El, R. Miller, in charge, c/o Y.M.H.A., Washington St., Salem, plans by Eisenberg & Feer, 46 Cornhill, Boston, temple. Est. $150,000 or more.

Mass., Fall River — BUSINESS—Owner, c/o D. Shapiro, archt., 8 South Main St., sketches 3 story, brick, limestone office and store building. $200,000.

Mass., Malden (br. Boston)—HOME—City, Overseers of the Poor, sketches by C. F. Springall, 50 Park St., city home, Forest and Sylvan Sts. $500,000.

Mass., Malden (br. Boston)—HOSPITAL—Malden Hospital, c/o Kendall, Taylor & Co., archts., 142 Berkley St., sketches 5 story, basement, brick, Hospital Rd. $1,200,000.

Mass., South Boston (sta. Boston) — FIRE STATION — City of Boston, Fire Dpt., 60 Bristol St., fire station, City Point Dist. $150,000. Engineer and architect not selected.

R. I., Providence—BANK—Providence Institute of Savings, 86 South Main St., soon lets contract 3 story, mezzanine, brick, steel, limestone, Aborn and Empire Sts. To exceed $150,000. Howe & Church, 1208 Turks Head Bldg., archts.

N. Y., Buffalo—EXCHANGE—New York Telephone Co., 158 State St., Albany, soon lets general contract addition, Swan and Franklin Sts. $350,000. Voorhees, Gmelin & Walker, 101 Park Ave., New York, archts. Foundation for above, to J. W. Cooper, Fidelity Bldg.

N. Y., Buffalo — HOSPITAL — Memorial Hospital Assn. plans by F. J. and W. A. Kidd, 524 Franklin St., addition to memorial hospital, 742 Jefferson Ave. $750,000.

N. Y., Elmhurst (Ind. sta. Flushing)—APARTMENTS — M. Ginsberg, 247 Park Ave., New York, apartments, Queens and Yellowstone Blvds. $500,000. Engineer and architect not selected.

N. Y., Jamaica—STORE and OFFICE—Loshen Bros., 163-18 Jamaica Ave., 6 story, 112 x 120 ft., brick, steel, plain found., Jamaica Ave. $600,000. Engineer and architect not selected.

N. Y., New York—APARTMENT—Corporation, c/o Rhodes-Kennedy Co., 342 Madison Ave., apartment on 139 x 200 ft. side, East River, 71st and 72nd Sts. $7,000,000. Engineer and architect not selected.

N. Y., New York—APARTMENTS—Bing & Bing, 119 West 40th St., two 10 story apartments, East 73rd St. between 2nd and 3rd Aves. To exceed $1,000,000.

N. Y., New York—GARAGE—Dwight P. Robinson, 125 East 46th St., 9 story, 125 x 200 ft. garage, 205 East 64th St. $500,000. Private plans.

N. Y., New York — GARAGE — Kent Garage Investing Corp., 350 Madison Ave., 25 story, 100 x 140 ft. automatic mechanical operating garage, Columbus Ave. and 61st St. $1,400,000.

N. Y., New York — LOFT — Bernard Kempner, 531 5th Ave., brick, steel, on 40 x 80 ft. site, 584 9th Ave. To exceed $250,000. Engineer and architect not selected.

N. Y., New York — LOFT — C. Kibel, 1 West 30th St., plans by Shampan & Shampan, 188 Montague St., Brooklyn, 14 story loft, 329 West 39th St. $800,000.

N. Y., New York—OFFICE—New York County Lawyers Assn., 165 Bway., plans by Cass Gilbert, 244 Madison Ave., 4 story office, Bway. near St. Pauls Church. $1,000,000.

N. Y., New York — OFFICE — G. L. Ohrstrom Co., 44 Wall St., plans by C. H. Severance, 36 West 44th St., 40 story, brick, steel, 34-38 Wall St.

N. Y., New York—STORAGE, STORE and OFFICE—T. Bernstein, 1440 Bway., plans by H. I. Oser, 1440 Bway., 16 story, 100 x 125 ft., brick, steel, 305 East 45th St. $750,000.

N. Y., Port Jefferson—HOSPITAL—John T. Mather Memorial Hospital, c/o F. Raynor, hospital. $150,000. Engineer and architect not selected.

N. Y., Stapleton—COURT—J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids Oct. 17, courts building. Noted Oct. 11.

N. J., Asbury Park—APARTMENT—A. Ramano, 214 Howard St., New Brunswick, 8 story, basement, brick, steel, plain found., Grand and 8th Aves. $500,000.

N. J., Bayonne — APARTMENT — J. Golush, 154 Avenue B, plans by C. I. Goldberg, 437 Bway., 4 story, basement, brick, steel, plain found., 92-4 West 34th St. $150,000.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten Ave., Passaic, revised plans by J. DeRose, 119 Ellison St., Paterson, 4 story, basement, 90 x 100 ft., brick, steel, plain found., Putnam Pl. and Union Ave. $150,000. Noted Oct. 4.

N. J., Cliffside—THEATRE—Syndicate, F. Meyers, chn., c/o H. B. Crosby, archt., 125 Ellison St., Paterson, revised sketches 2 story, basement, brick, steel, plain found., Gorge Rd. and Anderson Ave. Former bids rejected. $150,000. Noted Aug. 30.

N. J., Deal — APARTMENT — Casa Blanca Del Mar Beach Club, 433 Cookman Ave., Asbury Park, sketches by W. F. B. Koelle, 433 Cookman Ave., Asbury Park, 12 story, basement, brick, steel, plain found. $200,000.

N. J., East Orange—APARTMENT—Max-Sam Investment Co., M. Weinberg, 109 Hillside Ave., Newark, sketches by S. Cohen, 130 Branford Pl., Newark, 4 story, basement, 70 x 200 ft., brick, steel, plain found., 174 North Grove St. $175,000.

N. J., East Orange—APARTMENT—H. Thomas, 101 North Grove St., plans by Warren & Warren, 31 Clinton St., Newark, 4 story, basement, 120 x 175 ft., brick, steel, plain found., 194 Park Ave. $220,000. Noted Nov. 1.

N. J., Fairview — APARTMENTS — M. Enowth, c/o H. Adelman, archt., 494 Bway., Bayonne, sketches two 3 story, basement, 50 x 100 ft., brick, steel, plain found. $150,000.

N. J., Jersey City—GARAGE—Burstyn & Heftler Corp., 404 38th St., Union City, sketches by C. Shilowitz, 26 Journal Sq., 15 story, basement, brick, steel, plain found., Academy St. and Bergen Ave. $1,000,000. Former bids rejected. Noted Sept. 13.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT—D. I. M. Constr. Co., R. D. Consoli, secy., 59 Bergenline Ave, Guttenberg, sketches by A. DePaola, 106 18th St., West New York, 4 story, basement, brick, steel, plain found., Christie and East Grand Aves. $150,000.

N. J., Newark—OFFICE and STORE—See "Contracts Awarded."

N. J., Paterson — APARTMENT and STORE—M. Kinner, c/o H. Fritz, archt., 629 Main Ave., Passaic, sketches 4 story, basement, brick, steel, plain found. $150,000.

N. J., Paterson—BUSINESS—Owner, c/o J. C. Van Vlandren, archt., 140 Market St., 3 story, basement, brick, steel business building. $150,000. Noted Nov. 1.

Pa., Phila. — COMMERCIAL — Reading Co., C. Dillenbeck, ch. engr. Reading Terminal Bldg., rejected bids Sept. 24, 10 story, 225 x 500 ft., rein.-con., brick, steel, plain found., Noble, 13th, Callowhill and Broad Sts. Will readvertise. Terminal Warehouse Co., Delaware Ave. and Front St., lessee. Noted Sept. 6.

Pa., Upper Darby (Phila. P. O.) — OFFICE — Knatz-Cooke Co., 6924 Market St., Phila., plans by Ritter & Shay, Packard Bldg., Phila., 2 story, basement, 120 x 135 ft., rein.-con., brick, steel, plain found., 69th St. and Ashby Rd. $250,000.

D. C., Wash.—APARTMENT—El & Kay, 474 Penn. Ave. N. W., plans by L. T. Rouleau, Inc., Investment Bldg., apartment, Conn. Ave. and Devonshire St. N. W. $1,250,000.

Fla., Miami—COMMERCIAL—Firestone Tire & Rubber Co., South Main St., Akron, O., c/o W. C. Harris, Jacksonville, plans by Dealers Development Dpt., Firestone Tire & Rubber Co., South Main St., Akron, O., commercial building, West Flagler St. and 12th Ave. $250,000.

D. C., Wash. — APARTMENT — C. A. Treadway, 1627 16th St. N. W., revised plans by L. T. Rouleau, 1420 K St. N. W., apartment, Conn. Ave. and Legation St. $700,000.

D. C., Wash.—STORE and BUSINESS—Dewey & Co., South Bldg., store and business building, 14th and L Sts. N. W. $900,000. W. Douden, Hill Bldg., archt.

Miss., Ellisville — INFIRMARY — Mississippi State Building Comn., Jackson, W. C. Trotter, secy., postponed taking bids rein.-con., brick, stone infirmary. $500,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt. Noted Sept. 20.

O., Cleveland — TERMINAL WAREHOUSE — Nicholson Universal Steamship Co., c/o M. L. DeVenne, mgr., foot East 40th St., sketches by A. P. Emmons, engr. and archt., c/o owner, 2 story, basement, 100 x 550 ft., rein.-con., brick, incl. 45,000 cu.yd. excavation, 500,000 1,500 ft. concrete piling and dredging work, East 54th St. $1,000,000.

Ind., Evansville—APARTMENT and GARAGE—Coronado Holding Co., c/o A. Phelps, 306 North 4th St., plans by Bowling & Shank, 1198 Arcade Bldg., St. Louis, Mo., 10 story, basement, rein.-con., brick, Riverside Dr., $750,000. W. J. Knight & Co., 902 Wainwright Bldg., St. Louis, Mo., engrs.

Mich., Mt. Clemens—COURT HOUSE and CITY HALL—City, A. DeVantier, city clk., and Macomb Co., W. J. Steffins, clk., plans by G. J. Haas, 2231 Park Ave., Detroit, 10 story, basement, rein.-con., brick, steel, plain found., Gratiot Ave. $700,000.

Mich., Muskegon—BANK and OFFICE—Peoples State Bank for Savings, 8 or 10 story basement, 70 x 80 ft., rein.-con., brick, 1st St. and Clay Ave. $250,000-$350,000. Engineer and architect not selected.

Mich., Pontiac — HOSPITAL and NURSES HOME—Oakland Co., W. M. Brewer, secy. Bd. Auditors, plans by F. D. Madison, 212 1st State Bank Bldg., Royal Oak, 2 story, basement, irregular shaped, rein.-con., brick, stone, plain found., Elizabeth Lake Rd. $150,000.

Ill., Chicago — APARTMENT — I. D. Randall, 1607 Howard St., plans by W. S. Hoffman, 718 West 63rd St., 12 story, basement, 50 x 165 ft., 6319 Kenwood Ave.

Ill., Chicago—HOTEL—H. Jansen, 307 North Michigan Ave., sketches by W. Bernhard & Co., 820 Tower Court, 20 story, basement, 100 x 150 ft., Illinois and Rush Sts. $1,750,000.

Ill., Western Springs—HOSPITAL—Community Hospital, c/o C. E. Patterson, chn. Building Comn., 920 South Michigan Ave., Chicago, sketches by Pond, Pond, Martin & Lloyd, 180 South Michigan Ave., Chicago, 6 story, on 10 acre site, 47th St. near Wolf Road. $600,000.

Kan., Wichita—HOTEL and STORE—R. Ostat, et al., Blackwell, Okla., plans by H. H. Mahler Co., Lunch Bldg., Tulsa, Okla., 19 story, basement 125 x 140 ft., concrete, brick, steel, Lawrence and Williams Sts.

Kan., Wichita—OFFICE and STORE—R. Ostat, et al., Blackwell, Okla., plans by H. H. Mahler Co., Lynch Bldg., Tulsa, Okla., 16 story, basement, 140 x 150 ft., concrete, brick, granite, steel, Lawrence and Williams Sts.

Mo., Independence — BANK — First National Bank plans by Modori & Bihr, 1116 Continental Bldg., Kansas City, 5 story, basement, rein-con., brick bank. $150,000.

Tex., Baird — COURTHOUSE—Callahan Co., c/o C. White, judge, brick, stone on Square. $150,000. Voelcker & Dixon, Perkins Snider Bldg., Wichita Falls, archts. Noted Oct. 25.

Okla., Duncan — OFFICE — Oklahoma Natl. Bank plans by Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, 6 story, 60 x 150 ft., rein.-con., brick, plain found., Main St. $175,000.

Okla., Lawton — COURT HOUSE — Comanche Co. sketches rein.-con., brick, plain found., D St. $150,000 or more. F. P. Aycock, co. clk. Engineer and architect not selected.

Calif., Palo Alto — HOSPITAL — Palo Alto Community Hospital Corp., (backed by Palo Alto Chamber of Commerce), Class "A" hospital, Old Quarry Rd. $350,000. Engineer and architect not selected.

Calif., San Bernardino — MEDICAL ARTS and APARTMENT — E. C. Dingwell, 1114 Quimby Bldg., Los Angeles, plans by R. Falkenrath, 611 Chamber Commerce Bldg., Los Angeles, 3 story, basement, 110 x 120 ft., tile, rein.-con., E and Church Sts. $200,000.

Calif., San Francisco—APARTMENTS—F. Anderson, 1320 22nd Ave., plans by Irvine & Ebbets, Call Bldg., two 3 story, frame, stucco, Euclid and Parker Aves. $75,000 each.

Calif., San Francisco — APARTMENT — O. E. Anderson, 483 15th St., sketches by Irvine & Ebbets, Call Bldg., 6 story, basement, steel, concrete, Clay and Presidio Aves. $150,000.

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Buildings—Commercial (Continued)

Ont., Kingston—HOTEL—Thomson & Johnson, archts., 224 Front St., Belleville, soon lets contract 5 story, basement, 67 x 134 ft., rein.-con., brick, steel, plain found., Queen St., for H. Johnson, c/o architect. $300,000.

Ont., Toronto — OFFICE — Abitibe Power & Paper Co., Iroquois Falls, plans by Marani, Lawson & Paisley, 219 Bay St., 4 story, basement, rein.-con., brick, steel, stone, plain found., University Ave. $200,000.

Ont., Toronto—POLICE ADMINISTRATION—City plans by J. J. Woolnough, City Hall, rein.-con., brick, steel, plain found. $500,000.

B. C., Vancouver — HOTEL — Grouse Mountain Highways & Scenic Resorts Ltd., Vancouver, hotel at Grouse Mountain. $200,000.

Bids Desired

Me., Belgrade—HOTEL—Belgrade Hotel, C. A. Hill taking bids altering and constructing 4 story, basement, brick addition, plain found. $150,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt.

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Jamaica Plain (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Medford (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Palmer—HOSPITAL—Nov. 14, by Commonwealth of Massachusetts Dpt. Mental Diseases, 3 story, basement, childrens building, brick, plain found., at Monson State Hospital. To exceed $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archt.

Mass., Salem — POST OFFICE — See "Contracts Awarded."

Conn., Hartford — WAREHOUSE — S. Shulansky, 101 Windsor Ave., taking bids 4 story, 85 x 150 ft., brick, rein.-con., Chestnut and Walnut Sts. $150,000. Golden Storrs & Co., 983 Main St., archts.

N. Y., New York—APARTMENTS—See "Contracts Awarded."

R. I., Providence — OFFICE — Rhode Island Insurance Co., Guarantee Fire Insurance Co. and Merchants Insurance Co., 177 Custom House St., taking bids 8 story, basement, 50 x 100 ft., brick, limestone, plain found., 31-37 Canal St. To exceed $150,000. Howe & Church, Turks Head Bldg., archts. Noted July 19.

N. J., Asbury Park—APARTMENT—C. E. Van Wickle, 501 Grand Ave., bids about Nov. 15, 11 story, basement, 100 x 100 ft., brick, steel, plain found., 4th and Grand Aves. $500,000. E. H. Schneider, 3rd Ave., Spring Lake, archt. Noted Oct. 18.

N. J., Atlantic City—APARTMENT—E. Steade, c/o J. Decker, archt., 14 Northfield Ave., West Orange, bids about Nov. 15, 10 story, basement, 58 x 114 ft., brick, steel, plain found., Atlantic Ave. and Chelsea St. $300,000. Noted Nov. 1.

N. J., Bayonne—CITY HALL—Bd. City Comrs., City Hall, bids about Nov. 15, on revised plans general contract 4 story, basement, brick, steel, plain found., Avenue C between 27th and 28th Sts. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Sept. 20.

N. J., Belleville (br. Newark)—HOSPITAL and NURSES HOME — Bd. Freeholders Essex Co., Market St. and Springfield Ave., Newark, bids about Nov. 15, 8 story, basement hospital, 5 story, basement nurses home, 2 story, basement service building, all brick, steel, County Isolation Grounds, $1,000,000. Sutton, Sutton & Calkins, 402 Broad St., Newark, archts. Noted Nov. 1.

N. J., Hackensack—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—LABORATORY—Nov. 19, by Port of New York Authority, 70 West St., New York, 4 story, basement, 50 x 100 ft., brick, steel, plain found., Fox Pl. and West Side Ave. $250,000. Private plans. W. H. Burr, 120 Bway., New York, consult. engr. Noted Nov. 1.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Orange — BANK and STORE — Orange Natl. Bank, 282 Main St., bids about Nov. 15, general contract 2 story, basement, brick, steel, plain found., Center St. and Central Ave. $150,000. E. H. Fougner, 197 Market St., Newark, archt. Noted Nov. 1.

N. J., Red Bank—APARTMENT—See "Contracts Awarded."

N. J., Roselle (Ind. br. Elizabeth) — APARTMENT—See "Contracts Awarded."

N. J., Secaucus (Ind. br. West New York) —HOSPITAL—Bd. Freeholders Hudson Co., Court House, Jersey City, bids about Dec. 1, 4 story, basement, rein.-con., brick, steel, plain found., County Ave. $500,000. J. T. Rowland, 30 Journal Sq., Jersey City, archt. Noted June 28.

N. J., Union City—BANK and OFFICE —W. Neuman, 40 Journal Sq., Jersey City, and F. Henzel, 254 Summit Ave., assoc. archts., taking bids (from selected list of bidders), 2 story, basement, 50 x 100 ft., brick, steel plain found. 15th St. and Summit Ave., for North Hudson Natl. Bank, c/o architect. Noted Nov. 11.

N. J., West New York—COMMERCIAL—See "Contracts Awarded."

N. J., West New York—OFFICE—Eagle Development Co. taking bids general contract 2 story, basement, 118 x 119 ft., brick, steel, plain found., Bergenline Ave. and 6th Sts. $150,000. Warren & Warren, 31 Clinton St., Newark, archts.

Pa., Butler—OFFICE—Nov. 13, by Jensen & Cocken, archts., Century Bldg., Pittsburgh, 3 story, basement, 78 x 120 ft., and 25 x 78 ft., brick, steel, for American Rolling Mills Co. $250,000. Noted Oct. 25.

Pa., Phila. — APARTMENT — See "Contracts Awarded."

D. C., Wash. — APARTMENT — S. M. Biron, 1219 9th St. N. W., taking bids on sub-contracts apartment, Chapin St. N. W. between 15th and 15th Sts. $200,000. G. T. Santmyer, 917 15th St. N. W., archt.

D. C., Wash. — APARTMENT — A. J. Howard, 1412 Eye St. N. W., taking bids on sub-contracts apartment, 19th St. N. W. $500,000. D. L. Stern, 1412 Eye St N. W., archt

D. C., Wash. — APARTMENT and GARAGE—C. D. Sager, 924 14th St. N. W., taking sub-bids apartment and garage, 120 C St. N. E. G. T. Santmyer, 917 14th St. N. W., archt.

D. C., Wash.—STORE—Potomac Freight Terminal Co, 4½ and D Sts. S. W., taking bids excavation for stores, Water St. from 12th to 14th Sts. S. W., $300,000. W. H. Cookhan, Pennsylvania R.R. Co., Broad St. Sta., Phila. Pa., archt. A. P. Clark, Jr., 816 14th St. N. W., consult. archt. Noted Aug. 2.

Mass., Chicopee Falls — THEATRE, STORE and OFFICE — L. Taloumis, 88 Main St., Chicopee, taking bids 2 story, 60 x 190 ft., brick, steel, Main St. $160,000. G. Dion, 10 Center St., Chicopee, archt. Noted Oct. 18 under "Chicopee."

Miss., Hattiesburg — HOTEL — Nov. 15 (extended date), by Forest Hotel Co., c/o Chamber of Commerce, 8 story, mezzanine, basement, 46 x 160 ft., rein.-con., brick, stone, terra cotta, Forest and West Pine Sts. $500,000. G. D. Barnett, 913 Syndicate Trust Bldg., St. Louis, Mo., archt. E. C. Hearon & Son, 201½ West Pine St., assoc. archts. Noted Nov. 1.

Ill., Chicago — HOSPITAL — Coolidge & Hogdon, archts 134 South La Salle St., bids about Dec. 1, Bobs Roberts Memorial Hospital for children, 6 story, 100 x 150 ft., rein.-con., brick, stone, 57th St. and Drexel Ave. for University of Chicago, 189 West Madison St. $500,000. Foundations now in.

Wis., Burlington—MASONIC TEMPLE—A. D. Koch, archt., 120 East Wisconsin Ave., Milwaukee, bids about Nov. 12, 2 and 3 story, part basement, 67 x 102 ft., brick, plain found., for Masonic Lodge, W. Newbury, secy.

Wis., Milwaukee — APARTMENT — George Zagel & Bro. Co., archts., 144 East Wells St., taking bids 6 story, basement, 60 x 105 ft., rein.-con., brick, plain found., Jackson Ave.

Wis., Milwaukee—OFFICE—Nov. 20, by Holabird & Root, archts., 333 North Michigan Ave., Chicago, Ill., altering and constructing 4 story, basement, rein.-con., brick, Bedford stone addition, 168 East Wisconsin Ave., for Northwestern National Insurance Co. $500,000. Noted Aug. 16.

Mo., Carthage—HOSPITAL—Nov. 14, by McKune-Brooks Memorial Hospital Assn., c/o S. McReynolds, pres., 3 story, basement, 45 x 150 ft., rein.-con., brick, stone hospital. $150,000. Hoener, Baum & Froese, 3605 Laclede Ave., St. Louis, archts. Noted Aug. 30.

Mo., St. Louis — APARTMENTS — Paramount Constr. Co., J. A. Pastel, pres., 904 Chestnut St., sub-bids about Nov. 15, two 13 story, basement, 69 x 160 ft., rein.-con., brick, terra cotta apartments, incl. 10-car garage in basement, 4436 and 4440 Lindell Blvd. $2,000,000. McDonald & Condie, 502 North Taylor Ave., archts.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles — STORE and OFFICE—Sun Realty Co., 727 West 7th St., bids about Nov. 15, 12 story, basement, 57 x 160 ft., stone, steel, stucco, 8th and Hill Sts. $800,000. C. Beelman, 1019 Union Bank Bldg., archt.

Ont., Windsor—TERMINAL—Nov. 12, by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, Mich., 4 and 6 story, basement, irregular sized, rein.-con., brick, steel, plain found., for International Bridge Co., 21st St., Detroit, Mich. $150,000.

Calif., Monterey—STORE and OFFICE—H. J. Knauer, archt., 1124 South Western Ave., taking bids 5 story, basement, Class "A," Spanish gothic type, Main and Franklin Sts., for Spazier Development Co., 240 Franklin St. Noted Aug. 23.

Contracts Awarded

Me., Old Orchard—HOTEL—Owner, c/o Pulsifer & Eye, Inc., archts., 163 Main St., Lewiston, 3 story, basement, irregular sized brick, plain found., to D. Lemieux, 15 Russell St., Lewiston. Est. $150,000. Noted Oct. 4.

Me., Rockland—HOME—Knox Co. General Hospital, 3 story, basement, brick, plain found., to O. Nelson Co., 194 Exchange St., Bangor. Est. $150,000-$160,000. Noted Oct. 25.

Mass., Boston — POST OFFICE — New England Telegraph & Telephone Co., Oliver St., altering 11 story, basement, 130 x 160 ft., rein.-con. building for temporary post office, 245 State St., to R. A. Nordblom Co., Inc., 80 Broad St. U. S. Government, lessee.

Mass., Brighton (sta. Boston)—APARTMENT—Rosen Realty Corp., 11 Beacon St., Boston, 3 story, basement, irregular sized, brick, plain found., 81-89 Strathmore Rd., separate contracts. $250,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Mass., Brighton (sta. Boston)—APARTMENT—M. Sbrowsky, 516 Blue Hill Ave., Dorchester, 3 story, basement, irregular sized, brick, stone, plain found., Strathmore Rd., separate contracts. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Conn., Hartford—INSURANCE—Scottish Union Insurance Co., J. H. Vreeland, 75 Elm St., 6 story, 70 x 70 ft., brick, steel, limestone, Elm St., to Marc Eidlitz & Son., Inc., 750 Main St. Est. $300,000.

Mass., Jamaica Plain (sta. Boston) — APARTMENT — W. T. Murray & J. H. Kurhan, 47 Almont St., Dorchester, 2 unit, 4 story, basement, 15,000 sq.ft. floor space each, brick, stone, plain founds., Centre St. and Beafort Rd., separate contracts. $300,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Medford (br. Boston) — APARTMENT—P. A. Rice, 67 Playstead Rd., 3 story, basement, 65 x 185 ft., brick, stone, plain found., 142-148 High St., separate contracts. $200,000. E. B. Stratton, 25 Arch St., Boston, archt.

Mass., Quincy (Ind. br. Boston) — APARTMENT — Quincy Sunnylea Trust, 73 Tremont St., Boston, 4 and 6 story, basement, 70 x 145 ft., brick, stone, plain found., Upland Rd. and Presidents Lane, to E. S. Butterfield Co., 88 Broad St., Boston. Est. exceeds $150,000.

Mass., Salem — POST OFFICE — O. W. Farley, 214 Riverway St., Boston, 2 story, basement, 90 x 105 ft., brick, stone, plain found., separate contracts. $150,000. Eisenberg & Feer, 46 Cornhill, Boston, archts. Noted Oct. 11.

Conn., Bridgeport—EXCHANGE—Southern New England Telephone Co., 157 Church St., New Haven, foundation 10 story, 92 x 146 ft., brick, steel, Courtland St., to E. & F. Constr. Co., 94 Wells St. Total est. $3,000,000. Noted Oct. 25.

N. Y., New York—APARTMENT—Alliance Realty Corp., C. J. Daily, pres., 115 Bway., 16 story, 60 x 100 ft., brick, steel, plain found., 240 East 79th St., to R. H. Howes Constr. Co., 103 Park Ave. Est. $800,000.

N. Y., New York — APARTMENT — Arthur Grist, Inc., c/o G. B. Post, archt., 101 Park Ave., 14 story, 84 x 102 ft., brick, steel, 6028 East 84th St., to James Stewart & Co., 17 East 42nd St., New York. Est. $600,000.

N. Y., New York — APARTMENTS — Three Hundred Thirty-Two East 149th Street Corp., J. Perlbinder, pres., 332 East 149th St., 202 x 244 ft., 117 x 150 ft. and 82 x 161 ft. apartments, 196th St. and Grand Concourse, separate contracts. $1,500,000. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts.

N. Y., New York — ARMORY — Armory Bd., J. B. Trainer, secy., Municipal Bldg., general contract altering and constructing additions to 2nd Battalion 105th Field Artillery Armory, to W. W. Constr. Co., 15 East 40th St., $208,500; heating, to Empire Heating Co., 415 Lexington Ave., $46,200. Noted Oct. 18. Plumbing, to E. V. McGovern, 251 East 66th St., $10,453.

N. Y., New York — HOSPITAL — B. S. Coler, comr. Pub. Welfare, Municipal Bldg., general contract altering south wing main building Metropolitan Hospital, Welfare Island, to Lustig & Weil, 145 East 32nd St., New York, $188,000; plumbing, to T. O. OBrien, Inc., 6311 5th Ave., Brooklyn, $37,758; heating, to H. Sand & Co.,

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Buildings—Commercial (Continued)

1384 West Bway., $32,175. Grand total $27,933. Noted Sept. 13.

N. J., Asbury Park — APARTMENT — Emery Court, Inc., S. Traub, pres., 1301 E St., Belmar, general contract 5 story, basement, 65 x 145 ft., brick, steel, plain found., Emery St .and 8th Ave., to Asbury Constr. Co., 1301 E St., Belmer. Est. $160,000. Sub-bids rejected. Noted Sept. 27.

N. J., Hackensack — APARTMENT — J. Natale, 725 Adams St., 4 story, basement, 90 x 105 ft., brick, steel, plain found., Beech St., separate contracts. $225,000. G. Willaredt, 411 23rd St., West New York, archt. Noted Nov. 1.

N. J., Jersey City—APARTMENT—Gray Street Apartments, Inc., 494 Bway., Bayonne, 4 story, basement, brick, steel, plain found., 36-38 Gray St., separate contracts. $150,000. H. Adelman, 494 Bway., Bayonne, archt. Noted Nov. 1.

N. J., Jersey City — APARTMENT and STORE—Greater New York Housing Corp., J. Reichnitz, treas., 1123 Bway., New York, general contract fifteen 3 story, basement, 20 x 75 ft., brick, steel, to Raffael Contg. Co., 1123 Bway., New York. Est. $250,000. Noted Nov. 1.

N. J., Newark—APARTMENT—Sanford Holding Co., Inc., 207 Market St., 4 story, basement, 100 x 116 ft., brick, steel, plain found., 720 Sanford Ave., separate contracts. $200,000. Former bids rejected. E. A. Wurth, Jr., 207 Market St., archt. Noted June 21.

N. J., Newark—GARAGE—New Jersey Bell Telephone Co., 1060 Broad St., garage, to Turner Constr. Co., Graybar Bldg., New York. Est. $150,000. Noted Oct. 25.

N. J., Newark—OFFICE and STORE—K. Mayzil, 24 East Park St., 3 story, basement, 100 x 115 ft., brick, rein.-con., plain found., 269-77 Plane St., separate contracts. $150,000. Private plans. Noted Nov. 8.

N. J., New Brunswick — SALES STATION—Standard Oil Development Co., Brunswick Ave., Linden, general contract 1 story, 50 x 104 ft. office and garage, 1 story, 60 x 80 ft. warehouse, to Highland Park Building Co., 238 Cleveland Ave., Highland Park. Est. $150,000. Noted Oct. 18.

N. J., Red Bank—APARTMENT—H. Whitfield, 3 story, basement, 75 x 100 ft., brick, steel, plain found., separate contracts. $150,000. Private plans. Noted Oct. 25.

N. J., Roselle (Ind. br. Elizabeth)—APARTMENT—K. E. F. Constr. Co., 91 Broad St., Elizabeth, 3 story, basement, 70 x 100 ft., brick, steel, plain found., Vine and Watson Sts., separate contracts. $150,000. W. L. Finne, 91 Broad St., Elizabeth, archt. Noted Nov. 1.

N. J., West New Jersey—COMMERCIAL—Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, 2 story, basement, brick, steel, plain, found., 5th St. and Murphy Pl., separate contracts. $150,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archts.

Pa., Bryn Mawr—APARTMENT—H. E. Benner, c/o H. L. Remhold, Jr., archt., 1632 Walnut St., Phila., 3 story, basement, 40 x 178 ft., brick, steel, plain found., Lancaster and Merion Aves., to A. Joll, 10 South 18th St. Est. $160,000. Noted July 19.

Pa., Phila. — APARTMENT — Zarch & Fisher, Real Estate Trust Bldg., 4 story, basement, 86 x 152 ft., brick, steel, plain found., 60th and Baltimore Sts., separate contracts. $150,000. J. E. Fieldstein, 112 South 16th St., archt.

Pa., Phila. — THEATRE and STORE — W. H. Lee, archt., Schaff Bldg., 2 story, basement, 107 x 195 ft., rein.-con., brick, steel, plain found., 8400 Frankford Ave., to T. Gagleardi, 8119 Frankford Ave., for Holmes Realty Co., c/o architect. Est. $275,000. Noted Oct. 4.

La., Shreveport — HOSPITAL — Charity Hospital, c/o Secretary of Bd. general contract remodeling and constructing 1 story brick, concrete addition, to H. & B. Constr. Co., Ricon-Brewster Bldg., $119,474. Noted Sept. 27.

O., Cincinnati — COMMERCIAL — Schwartz Realty Co., 301 Provident Bank Bldg., 4 story, basement, 63 x 137 ft., rein.-con., brick, plain found., Reading Rd., to Parkway Constr. Co., 330 Provident Bank, $125,000.

O., Cleveland—BANK—Cleveland Union Terminal Co., Terminal Tower Bldg., and Cleveland Terminal Building Co., c/o C. L. Bradley, pres., 1 story, concrete, brick, steel, to Aronberg-Fried Co., Terminal Tower Bldg. Est. $200,000.

O., Cleveland—GARAGE—Hanna Garage Co., A. A. Kerr, pres., 1741 East 12th St., 3 story, 130 x 132 ft., rein.-con., brick top addition, 1741 East 12th St., to Crowell & Little Constr. Co., Hanna Bldg. Est. **$200,000.**

Ind., Hammond—APARTMENT—Whiting & Hammond Corp., c/o L. H. Warriner, archt., Gary, general contract 3 story, basement, 125 x 135 ft., rein.-con., brick, to W. B. Mitchell Co., 2838 East 91st St., Chicago, Ill. Est. $300,000. Noted Oct. 25.

Ill., Chicago—APARTMENT—L. S. Drive Corp., c/o R. S. De Goyler, archt., 307 North Michigan Ave., general contract 27 story, basement, 61 x 90 ft., 1242-44 Lake Shore Dr., to Turner Constr. Co., 228 North La Salle St. Est. $1,500,000. Noted Aug. 23.

Ill., Chicago — APARTMENTS — Julius Rosenwald, 4901 Ellis Ave., general contract group 5 story, basement, covering entire block, to B-W Constr. Co., 720 Cass St. Est. $2,700,000. Noted July 19.

Ill., Chicago — APARTMENT — Betts & Holcomb, archts., 32 West Randolph St., masonry contract 7 story, basement, 32 x 146 ft., to E. Edlund, 1833 Greenleaf Ave., for E. H. Oldenburger, 7337 Phillips St. Est. $250,000. Noted Sept. 27.

Ill., Chicago—OFFICE and GARAGE—A. S. Alschuler, Inc., archts., 28 East Jackson Blvd., general contract 19 story, basement, 120 x 173 ft., for H. W. Rubloff, 10 South La Salle St., to H. Erickson Co., 228 North La Salle St.; pile foundations, to Paschen Bros., 111 West Washington St. Est. $2,100,000. Noted Oct. 4.

Wis., Milwaukee—APARTMENT HOTEL—Knickerbocker Hotel Co., c/o Rosman & Wierdsman, archts., 490 Bway., masonry and concrete contract 8 story, basement, 146 x 185 ft., rein.-con., brick, Juneau Ave., to R. L. Reisinger & Co., 466 Oakland Ave. Noted Feb. 23.

Ia., Keokuk — HOSPITAL — M. J. Geise, archt., State Central Bank Bldg., general contract 2 story, basement, 41 x 70 ft., and 41 x 130 ft., brick, steel, stone, to Vahle Bros., Quincy, for Graham Protestant Hospital Assn., B. B. Hobbs, chn. $69,022. Noted Aug. 23.

Mo., Kansas City—APARTMENT—Eberhardt Constr. Co., Dwight Bldg., 10 story, basement, rein.-con., brick apartment. Est. exceeds $150,000. Owner builds. A. H. Gentry, March Bldg., archt.

Tex., Big Springs—OFFICE—G. T. Hall & Associates, Big Springs, 6 story, part basement, 60 x 90 ft., brick, stone, concrete, to A. Randall, Amarillo, $150,000. Noted Sept. 13.

Tex., San Antonio—BANK and OFFICE—Alamo Natl. Bank, c/o E. L. Brown, pres., 128 West Commerce St., general contract 20 story basement, rein.-con., brick, stone, steel, to McKenzie Constr. Co., c/o Travis Bldg., A. J. McKenzie, pres. $600,000. Noted Nov. 1.

Tex., San Antonio—MARKET CENTER—American Building Co., c/o A. H. Cadwallader, c/o Real Estate Bldg., 1 and 2 story, concrete, brick, stone, tile, stucco market center to be known as French Market, Fredericksburg Rd. and Donaldson Ave. $500,000. Owner builds. Private plans.

Okla., Tulsa—SALES and SERVICE—Greenlease-Moore Cadillac Co., 1201 South Main St., 4 story, basement, 100 x 140 ft., rein.-con., brick, hollow tile, to R. M. Gillian, 1418 East 6th St. Est. $150,000.

Wash., Olympia—HOTEL—Puget Sound Hotels, 70-room addition to Hotel Mitchell, to H. L. Stevens, Olympia, $150,000. Noted Sept. 13.

Calif., Los Angeles—APARTMENT—C. Lentz, c/o P. Stockigt, archt., 3140 Sunset Blvd., 5 story, basement, 98 x 103 ft., brick, rein.-con., South Detroit St., to J. A. Carter, 2835 Buckingham Rd., $150,000.

Calif, Los Angeles—STORE and APARTMENT—W. B. Hess & Co., 426 Merchants Natl. Bank Bldg., 3 story, basement, 60 x 325 ft., stucco, tile, Pasadena Ave. $200,000. Owner builds. L. Selden, 508 Byrne Bldg., archt. Noted Oct. 4.

Ont., Port Arthur—HOSPITAL—W. H. Russell, chn. Hospital Bd., Ruttan Bldg., general contract 6 story, basement, 60 x 155 ft., brick, stone, to M. H. Braden, High and Van Norman Sts., $320,000. Noted Sept. 20.

Buildings—Educational, Religious

Proposed Work

Vt., Winooski—SCHOOL—Town, L. P. Allard, clk. School Bd., grade school. $150,000 or more. Engineer and architect not selected.

Mass., Boston—COLLEGE—Boston University, D. L. Marsh, pres., 688 Boylston St., sketches by Cram & Ferguson, 248 Boylston St., and Coolidge, Shepley, Bulfinch & Abbott, assoc. archts., Ames Bldg., group buildings, incl. liberal arts, business administration, theology, religious education, practical arts and music, chapel and power plant, Commonwealth Ave., Granby St. and Charles River Rd. To exceed $150,000.

Mass., Mattapan (sta. Boston)—NURSES HOME—City of Boston, Hospital Dpt., soon takes bids 3 story, basement, irregular sized, brick, plain found., River St. $195,000. J. H. Ritchie Associates, 250 Stuart St., Boston, archts.

Conn., Newington—DORMITORY—Newington Home for Crippled Children, J. L. Goodwin, chn., plans by Ebbets & Frid, 15 Lewis St., Hartford, 2 story, basement, 85 x 124 ft., brick, rein.-con. dormitory. $150,000.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by M. C. Martin, Flatbush Ave. extension and Concord St., Brooklyn, 4 story, 179 x 183 ft., brick, Avenue B and East 93rd St. $735,000.

N. J., Jersey City—SCHOOL—Bd. Educ., Harrison Ave., 3 story, basement, brick, steel, plain found., Sherman Ave. between Franklin and Hutton Sts. $500,000. Engineer and architect not selected.

N. J., Lyndhurst (br. Rutherford) — TEMPLE—Adoniram Lodge F. & A. M. 237, 16 Riverside Ave., plans by A. L. Vigliante, 42 Passaic Ave., Garfield, 2 story, basement, brick, steel, plain found. $150,000. Noted Nov. 1.

Del., Milford — HIGH SCHOOL — Bd. Educ., Delaware School Foundation, A. J. Taylor, vice-pres., Du Pont Bldg., Wilmington, plans by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., Junior and Senior High School, 2 story, basement, brick, steel, plain found. $150,000. Noted Oct. 18.

O., Ashland — CHURCH — Methodist Episcopal Congregation, H. R. Whiting, pastor, sketches by Vernon Redding & Associates, Walpark Bldg., Mansfield, 1 story, brick, steel, stone. $300,000.

O., Brecksville — SCHOOL — School Bd. soon takes bids 2 story, basement addition, incl. library, auditorium, gymnasium, lunch room, class rooms. $150,000-$175,000.

Mich., Ypsilanti—HIGH SCHOOL—Bd. Educ. plans by R. S. Gerganoff, 206 North Washington St., 2 story, basement, brick, steel, concrete, stone, plain found., West Cross St. $750,000.

Ia., Des Moines — MEDICAL ARTS — Syndicate, c/o E. B. Winnett, 2930 Cottage Grove Ave., plans by Normile & Emery, 604 Hubbell Bldg., 12 story, basement, rein.-con., brick, stone. $1,500,000.

Calif., Claremont — DORMITORY — Scripps College for Women plans by G. B. Kaufmann, Union Bank Bldg., Los Angeles, rein.-con., hollow tile dormitory. $200,000.

Ont., Oshawa—TECHNICAL SCHOOL—Bd. Educ. plans by S. B. Coon & Son, 4 St. Thomas St., Toronto, 2 story, basement, rein.-con., brick, steel, stone, plain found. $200,000.

Bids Desired

Mass., Lynn—HIGH SCHOOL—City, H. S. Bauer, mayor, City Hall, taking bids 2 story, basement, brick, stone addition to Eastern Junior High School, plain found., Porter St., incl. gymnasium, auditorium. $200,000. C. L. Betton, 31 Exchange St., archts. Noted Nov. 1.

Conn., Waterbury—SYNAGOGUE—Temple Beth El bids about Nov. 15, 2 story, basement, brick, steel, plain found. $200,000. Myers, Bigelow & Shanley, 24 Walnut St., Newark, N. J., archts. Noted Sept. 27.

N. J., Passaic—COMMUNITY CENTER—Ahravas Israel, M. Bing, 171 Howard St., bids about Nov. 15, 5 story, basement, 100 x 150 ft., brick, steel, plain found., 187 Van Houten Ave. $150,000. Preiskel & Skvarla, 2 Lexington Ave., archt. Noted Aug. 16.

N. J., Plainfield — COMMUNITY CENTER — Nov. 21, by Bloch & Hesse, archts., 18 East 41st St., New York, general contract 2 and 3 story, basement, 120 x 125 ft., brick, steel, plain found., West 7th St. and Central Ave., for Jewish Community Center of Plainfield, 185 North Ave. $150,000. Noted Sept. 6.

N. J., Paterson—SYNAGOGUE—Nov. 14, by F. W. Wentworth, archt., 110 Market St., 2 story, basement, brick, steel, plain found., Bway. and 33rd Ave., for Temple Emanuel. $150,000. Noted Sept. 20.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, bids about Dec. 1, 2 story, basement, brick, steel, plain found. $325,000. A. E. Dore, 173 Main St., Hackensack, archt. Noted Oct. 11.

Pa., Harrisburg—CHURCH—St. Marys Catholic Church taking bids general contract, 65 x 112 ft., Indiana limestone, granite church, 116 ft. high, plain concrete found., 3rd and Woodbine Sts. $300,000. Link, Weber & Bowers, 407 North Craig St., Pittsburgh, archts. B. E. Starr, 7-A South 2nd Sts., assoc. archt.

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Buildings—Educational, Religious (Cont.)

Pa., Pittsburgh—CHURCH and SUNDAY SCHOOL—Ingham & Boyd, archts., Empire Bldg., taking bids and open same about Nov. 5, 1 and 2 story, basement, brick, stone, Forbes St. and Braddock Ave., for Waverly Presbyterian Church, Braddock Ave. $250,000.

D. C., Wash.—SCHOOL—Nov. 20, by District Comrs., District Bldg., addition to S. J. Bowen School.

D. C., Wash.—SEMINARY—St. Joseph's Seminary, c/o Maginnis & Walsh, archts., 20 Providence St., Boston, Mass., bids about Jan. 1, seminary, Webster, Varnum, 13th and 14th Sts. $350,000.

Fla., Tallahassee — DORMITORY — Nov. 12, by Florida State Bd. Control, P. K. Yonge, chn., Carling Hotel, Jacksonville, (selected list bidders) boys dormitory.

Miss., Hattiesburg—COLLEGE—Nov. 22, by State Teachers College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., administration, dormitory, dining hall and power plant, all rein.-con., brick, stone. $470,000. V. B. Smith, Jr., Real Estate Bldg., Gulfport, archt. Noted June 28.

Miss., Millsaps (Jackson P. O.) — SCIENCE HALL — Nov. 14, by Millsaps College, c/o D. M. Key, pres., 3 story, rein.-con., brick, stone. $1500,00. H. N. Austin, 301 Daniel Bldg., Jackson, archt. Noted June 7.

La., Algiers (sta. New Orleans) — CHURCH—Holy Name of Mary Parish, c/o pastor, bids about Nov. 17, 1 and 2 story, 65 x 177 ft., rein.-con., brick, stone, terra cotta, Verett and Alix Sts. $200,000. A. W. Norman, Cotton Exch. Bldg., New Orleans, archt. Noted Oct. 25.

La., New Orleans—CHURCH—Nov. 15, by A. W. Norman, archt., Maritime Bldg., 70 x 177 ft., rein.-con., brick, 70 ft. high, wood pile found., Verrett St., for Church of Holy Name of Mary, Verrett and Alix Sts. $200,000. Noted Oct. 25.

Mich., Detroit—SCHOOL—Nov. 12, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway., 2 story, basement, 24 room irregular shaped, rein.-con., brick, steel, plain found., State Fair Ave. $400,000. McGrath & Dohmen, 2231 Park Ave., archts. Noted Sept. 20.

Mich., Detroit—SCHOOL—Nov. 12, by C. A. Gadd, bus. mgr., Bd. Educ., 1354 Bway. Ave., 2 story, basement, 110 x 134 ft., rein.-con., brick, steel, plain found., Lappin Ave. $185,000. G. D. Mason, 800 Standard Savings & Loan Bldg., archts.

Ia., Cedar Rapids—SCHOOL—Nov. 16, by St. Patricks Parish, c/o D. J. Lenihan, 501 1st Ave. W., 3 story, 130 x 195 ft., rein.-con., brick school. $175,000. C. B. Zalesky, Security Bldg., archts. Noted Sept. 6.

Ark., North Little Rock—HIGH SCHOOL—School Bd., W. E. Phipps, secy., 4th and Willow Sts., new bids about Nov. 15, 3 story, 2 story tower, basement, 52 room, rein.-con., brick, stone, 22nd and Maple Sts. $350,000. G. R. Mann, Wagner & King, New Donaghey Bldg., Little Rock, archts. Noted Oct. 4.

Tex., Houston — HIGH SCHOOL — Nov. 14, by Bd. Educ., Houston Independent School Dist., at office H. L. Mills, bus. mgr., 1600 Washington Ave., general contract altering and constructing addition to Jefferson Davis Senior High School. Hedrick & Gottlieb, Post-Dispatch Bldg., archts.

Calif., San Francisco—HIGH SCHOOL—Nov. 28, by Bd. P. Wks., steel, concrete, brick addition to Polytechnic High School, Frederick St., for City and San Francisco Co. $142,000. G. A. Lansburgh, 130 Montgomery St., archts.

Contracts Awarded

Mass., Brookline (br. Boston)—SCHOOL—Dexter School, F. J. Bradlee, Jr., treas., 35 Congress St., Boston, 2 story, basement, 45 x 165 ft., brick, stone, plain found., to Leighton-Mitchell Co., 99 Chauncy St., Boston. Est. $150,000. Noted Oct. 18.

Mass., Nantucket — HIGH SCHOOL — Little & Russell, archts., 20 Newbury St., Boston, 2 story, basement, rein.-con., stone, plain found., to J. M. Hartwell, 46 Cornhill, Boston, for Town. Est. $180,000. Noted Oct. 25.

Mass., Turners Falls — CHURCH — Our Lady of Czesochowa, T. M. O'Leary, pastor, 1 story, basement, stone, steel, plain found., to J. J. Roberts, 4 Wall St., Worcester. Est. $150,000.

Mass., Worcester—HOME—St. Francis Air Society, J. H. Fontaine, 4 story, 80 x 125 ft., brick, steel, to L. Rocheford & Son, 44 Front St. Est. $200,000. Noted Oct. 18.

N. Y., Delmar—CHURCH and SCHOOL—Woodbury & Stuart, archts., 581 Boylston St., Boston, Mass., 1 story, basement, stone, to C. V. Soule, Main St., for Delmar Methodist Church. Est. $150,000. Noted Aug. 2.

N. Y., Farmingdale—NURSES' HOME—Nassau Co. Sanitarium, c/o A. Davis, 55 North Milton Ave., Garden City, 2 story nurses' home, to A. Wischert, 8 Essex St., Brooklyn. Est. $160,000.

N. Y., Lackawanna—SCHOOL—Village, general contract school, Spruce and Pine Sts., to A. Utecht, Gould Ave., Depew, $125,000.

N. J., Elizabeth — CHURCH — Sacred Heart Roman Catholic Church, 403 Spring St., 1 story, basement, brick, steel addition, plain found., to Thomas Reynolds & Sons, 26 Sanford Terrace, Irvington. Est. $150,000. Noted Oct. 25.

N. J., Morristown — SYNAGOGUE and COMMUNITY CENTER — Jewish Community Center of Morristown, Inc., M. Epstein, chn., 32 Park Pl., general contract 2 story, basement, 115 x 130 ft., brick, steel, plain found., to Bontempo & D'Annunzio, Inc., 8 Flagler St. Est. $150,000. Noted June 7.

Pa., Lewistown — HIGH SCHOOL — School Dist. of Lewistown, general contract 3 story, basement, brick, steel, to Yenter Bros., Tyrone. Est. $150,000.

Pa., New Castle — CHURCH — First United Presbyterian Congregation, general contract 1 and 2 story, basement, to J. Clyde Gilfillan, 901 Wilmington Ave. Est. $200,000.

Pa., Phila.—DORMITORY—R. L. Gill, archt., 5600 Germantown Ave., 3 story, basement, 40 x 110 ft., brick, steel, plain found., Front and Lehigh Sts., to Barclay White Co., 1713 Sansom St., for Episcopal Hospital. Noted Oct. 11.

Miss., Cleveland—SCHOOL—Delta State Teachers College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., general contract 2 and 3 story, 36 x 174 ft. dormitory, 1 story, 120 x 122 ft. dining hall, 55 x 183 ft. auditorium, to Currie & Corley, Raleigh, $235,000. Noted Oct. 4. Heating and plumbing, to S. S. Richard, Franklin, La., $27,206.

O., Cincinnati—SCHOOL—Bd. Educ., 216 East 9th St., 3 story, basement, 151 x 303 ft., rein.-con., brick, plain found., Freeman St., to Penker Constr. Co., 123 Valencia St., $669,799. Noted Nov. 1.

Ill., Elmhurst — HIGH SCHOOL — Bd. Educ., masonry and carpentry contract addition to school, to J. C. Coberg, 262 West Fremont St.; cut stone, to E. H. Heldmaier, 2428 Throop St., Chicago; heating, to W. J. Gemeny Co., 2528 West Madison St., Chicago; plumbing, to T. E. Whitchurch 5143 West 22nd St., Cicero; electric wiring, to Dean Electric Constr. Co., 1132 Williams St., Oak Park; oil burners to W. S. Ray Co., 720 Cass St., Chicago; structural steel, to Midland Structural Steel Co., 1310 South 54th St., Cicero. Est. $350,000. Noted Oct. 4.

Ill., Oak Park—SCHOOLS—Bd. Educ., general contract 2 story addition to Hawthorne School, to A. Caron & Son, 1121 Williams St., Chicago; 2 story addition to Lincoln School, to E. L. Archibald Co., 111 West Washington St., Chicago, plumbing and heating for both, to W. A. Pope, 26 North Jefferson St., Chicago. Est. $200,000 each. Noted Sept. 20.

Federal Government Work

Proposed Work

N. Y., Brooklyn—DREDGING—U. S. Engineer Office, Army Bldg., New York, 77,800 cu.yd. material in channel Newtown Creek.

Pa., Pittsburgh — FEDERAL — Treas. Dpt., Wash., D. C., plans by Trowbridge & Livingston, 527 5th Ave., New York, and bids about Jan. 1, 10 story federal building.

Va., Newport News—DREDGING—U. S. Engineer Office, 2,000,000 cu.yd. in Newport News Channel.

Calif., San Diego—ELECTRICAL WORK—Spec. 5659—Bureau Yards & Docks, Navy Dpt., Wash., D. C., electrical work, incl. lighting systems, wires, cables, conduits, transformers, manholes, etc. for Naval Operating Base (Air Station).

Bids Desired

N. Y., Brooklyn—ROOFING—Spec. 5733—Nov. 14, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing roofs, gutters, leaders, skylights, incl. incidental repairs at Naval Hospital.

N. Y., Elmira—POST OFFICE—Nov. 27, by Treas. Dpt., at office Supervising Archt., Wash., D. C., extending U. S. Post Office.

N. Y., Fort Wadsworth (mail Staten Island) — WATERMAIN — Nov. 15, by Quartermaster Dpt., installing 6 and 8 in. watermain with accessories.

D. C., Wash.—JACKING and ROLLING SYSTEM—Nov. 19, by A. L. Flint, genl. purch. agt. Panama Canal, material and equipment for Jacking and rolling system for repairing miter gate bearings of canal locks, incl. jacks, power pumping system, yokes, links, pins, need beams, roller nests, track beam groups, bearing slabs and jacking fluid.

Va., Fort Monroe — DREDGING — Nov. 13, at office Constructing Quartermaster, in area adjacent to quartermaster and marine boat houses.

Ky., Nicholasville—ADDITION—Nov. 15, by Quartermaster Dpt., Jeffersonville, Ind., addition and installing hot water heating system in superintendent's lodge, Camp Nelson Natl. Cemetery.

Idaho—CONCRETE LINING—Nov. 12, by Bureau Reclamation, Denver, Colo., 1,000 lin.ft. concrete lining with 1 outlet drain in main south side canal, Minidoka Project, Idaho.

Bids Received

N. Y., Dunkirk—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Post Office, from W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $92,095.

Pa., Olyphant — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 2, U. S. Post Office, from A. C. Samford, Shepherd Bldg., Montgomery, Ala., $46,960. Noted Oct. 11.

D. C., Wash. — NURSES QUARTERS — Constructing Quartermaster, Nov. 2, nurses quarters at Walter Reed Hospital, from Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis, Mo., $299,000 (230 days). Noted Oct. 25.

Va., Yorktown — FIRE ALARM CIRCUITS — Spec. 5379 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., fire alarm circuits, from Perry Electric Co., 29th St. and Washington Ave., Newport News, Va., $20,500. Noted Sept. 20.

Mississippi — LEVEES — U. S. Engineer Office, Memphis, Tenn., 430,000 cu.yd. levee extension in Upper Yazoo Levee Dist. near Lakeview, Piece 35, from Carral Constr. Co., 501 McCall Bldg., Memphis, Tenn., $104,705; Piece 36, from McWilliams & Co., Exchange Bldg., Memphis, Tenn., $63,495; Pieces 37 and 38, from Lowrance Bros. & Co., 623 Front St., Memphis, Tenn., $74,530 each.

Tenn., Memphis—RECREATION—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., recreation building at U. S. Veterans' Hospital, from Palmer Co., Atlanta, Ga., $64,850 (180 days). Noted Oct. 4.

Calif., San Diego—BOILER—Spec. 5483—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Oct. 31, boiler and accessories at Naval Operating Base, from R. G. Neyler Corp., 940 Maple Ave., Los Angeles, $5,874. Noted Oct. 1.

Contracts Awarded

Md., Perry Point—DREDGING—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., dredging waterworks, intake channel, to Delaware Dredging Co., 139 South 3rd St., Phila., Pa., $6,770.

D. C., Wash.—VENTILATING—D. Lynn, archt. of Capitol, ventilating and air conditioning of Senate Chamber, to Carrier Eng. Co., 750 Frelinghuysen Ave., Newark, N. J., $120,500. Noted Oct. 25.

La., New Orleans—EARTHWORK—U. S. Engineer's Office, Burdette St. and Riverfront, in Margaret Levee, to Lew-Chambers Constr. Co., New Orleans, $127,020.

Tennessee—DRILLING—U. S. Engineer Office, Chattanooga, diamond core drilling in Tennessee River, to Pennsylvania Drilling Co., 1812 West Carson St., Pittsburgh, Pa., $3,575.

Colorado—ROADS—Bureau Pub. Rds., Denver, improving Eagle-Thomasville Project, Sect. B, to C. A. Switzer, Arvada, $54,942.

Colo., Denver—CEMENT— Bureau Reclamation, 10,000 bbl. cement for Owyhee Project, to Oregon Portland Cement Co., Lime, Ore., $34,010.

N. M., Fort Stanton — RESERVOIR — Treas. Dpt., at office Supervising Archt., Wash., D. C., partition wall in reservoir, at U. S. Marine Hospital, to R. Gilchrist, 610 Mills St., El Paso, Tex., $4,650 (40 days). Noted Oct. 25.

Wash., Walla Walla — INFIRMARY — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., infirmary, to N. P. Severin Co., 222 North Adams St., Chicago, Ill., $229,000. Noted Sept. 13.

Washington—ROAD—U. S. Bureau Pub. Rds., Portland, Ore., grading 1.35 mi. White River Rd., Rainier Natl. Park, to A. C. Goeric, Pantages Bldg., Seattle, $60,555.

Calif., San Diego — POWER HOUSE — Spec. 5697—Bureau Yards & Docks, Navy Dpt., Wash., D. C., addition at Naval

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Federal Government Works (Continued)

Radio Station, Chalias Heights, Naval Operating Base, to Wurster Constr. Co., 231 Spreckles Theatre Bldg., $5,390 (60 days).

Unclassified

Proposed Work

TUNNEL — **Newburyport, Mass.** — Kendall, Taylor & Co., archts., 142 Berkley St., Boston, revising plans concrete connecting tunnel between buildings for Anna Jaques Hospital. $25,000-$30,000. Former bids rejected.

TANKS—**Bayonne, N. J.**—Tidewater Oil Co., Constable Hook, plans 19 steel tanks, pipe stills, sheds, Constable Hook. $150,000. Private plans. Noted Nov. 1.

ELEVATORS, etc.—**Brooklyn, N. Y.**—New York Dock Co., 44 Whitehall St., New York, plans by Otis Elevator Co., 130 Clinton St., altering elevator shafts in six 12 story, warehouses and lofts, Furman and Joralemon Sts. $200,000.

ROLLER SKATING RINK and STANDS —**Brooklyn, N. Y.**—Cypress Hills Swimming Pool Co., plans by A. L. Beasley, 119 190th St., St. Albans, 65 x 120 ft. roller skating rink and stands, Jamaica Ave. and Crescent St. $25,000.

GRADE CROSSING ELIMINATION — **Middleport, N. Y.**—New York Central R.R. Co., F. B. Freeman, ch. engr., Grand Central Terminal, New York, eliminating Main St. Grade Crossing by depressing grade of street and carrying it under tracks. $178,000.

OIL TANKS and LOADING EQUIPMENT — **Fort Lauderdale, Fla.** — Florida Power & Light Co., Fort Everglades (Bay Mabel), two 80,000 bbl. tanks and equipment.

COALING STATION — **Detroit, Mich.** — Detroit Edison Co., 2000 2nd Blvd., coaling station, incl. hoppers, coal handling equipment, rein.-con., steel, Deguindre St. $450,000. Private plans.

AIRPORT—**Flint, Mich.**—Bishop Airport Corp., c/o E. T. Strong Buick Motor Co., airport. To exceed $50,000. American Air Ports Corp., 527 5th Ave., New York, engrs.

RETAINING WALL—**Cedar Rapids, Ia.** —City takes bids in Spring removing lower part retaining wall around Municipal Island between 2nd and 3rd Aves., replacing with 410 ft. rein.-con. wall. $60,000. F. E. Young, city engr.

CULVERTS — **Jetmore, Kan.** — See "Streets and Roads."

AIRPLANE FIELD—**Jacksonville, Tex.** —Chamber of Commerce, Jacksonville airplane field. Private plans.

STEEL TANKS — **McCamey, Tex.** — Roxana Petroleum Co., City Natl. Bank Bldg., San Antonio, twelve 80,000 bbl. steel tanks on farm near here. $350,000. Private plans.

GAS PIPE LINE — **New Mexico and Texas** — El Paso Gas Utilities Corp., c/o 1st Natl. Bank Bldg., El Paso, Tex., granted franchise gas pipe line from New Mexico City, N. M. (Lea Co.) to El Paso, Tex. $200,000. Private plans.

AIR PORT—**Cushing, Okla.**—City preliminary plans airport. $50,000. L. A. Crenshaw, mayor.

ORNAMENTAL LIGHTING SYSTEM—**Berkeley, Calif.**—Ornamental lighting system on Adeline St. from Ward St. south to city limits. To exceed $25,000.

LIGHTING SYSTEM—**Oakland, Calif.**—Ornamental lighting system on Telegraph Ave. between 20th and 40th Sts. $25,000 or more. G. Randle, city engr.

ORNAMENTAL LIGHTING SYSTEM—**Richmond, Calif.**—Ornamental lighting system on 10th St. between Locas Ave. and Cutting Blvd. To exceed $25,000. E. A. Hoffman, city engr.

GRAIN ELEVATOR — **Sarnia, Ont.**— Sarnia Elevator Co., J. Playfair, 2,000,000 bu. grain elevator addition, on Riverfront. $650,000. Private plans.

COKING PLANT—**Port Stanley, Ont.**— Dominion Gas Co., S. B. Severson, mgr., St. Thomas, coking plant. $2,000,000.

POWER DEVELOPMENT—**Port Alice, B. C.**—British Columbia Pulp & Paper Co. Ltd. constructing power development. $500,000.

Bids Desired

TREATED TIES, etc.—**New York, N. Y.** —Nov. 13, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., treated and untreated ties, contact rail, protection boards, (Order 10), for use in constructing Rapid Transit R.R.

DUCT LINE—**New York, N. Y.**—Nov. 16, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., duct line in Isham St. between Bway and Substation 1, on 10th Ave. near Isham St.

PIER—**New York, N. Y.**—Nov. 21, by A. Goldman, comr. Plant & Structures, Municipal Bldg., constructing piers for Ludlow Avenue Bridge, over Bronx River.

TANKS, etc.—**Bayonne, N. J.**—See "Contracts Awarded."

FIELD HOUSES—**Kearny** (sta. Arlington), **N. J.**—Nov. 9, by Bd. Educ., Kearny High School, Devon St., 2 field houses at Kearny High School, between Garfield Ave. and King St. Guilbert & Betelle, Chamber of Commerce Bldg., Newark, archts.

HANGAR — **Miami, Fla.** — Nov. 13, by City, hangar at air field. Noted Oct. 25.

AIRPORT — **St. Petersburg, Fla.** — See "Contracts Awarded."

AIRPORT—**Akron, O.**—Nov. 20, by F. E. Swineford, dir. P. Serv., grading Akron Municipal Airport west of Massillon Rd. and between Triplett and Emmitt Rds. E. A. Kemmler, Municipal Bldg., engr. Noted Apr. 19.

GAS PIPE LINE—**Texas**—See "Contracts Awarded."

HYDRO-ELECTRIC DEVELOPMENT—**Tacoma, Wash.**—City Council, I. S. Davison, comr., bids about Dec. 1, 2nd unit Cushman Project, incl. dam across canyon north fork Skagit River, 1.5 mi. below Cushman Dam, tunnel to divert water from point near rim of basin to point 2.5 mi. below, from where water will be conducted by steel penstocks to power house on Hood Canal, power house, generating machinery. Noted Sept. 20.

OVERHEAD CROSSING — **California** — Nov. 21, by State Hy. Comn., Sacramento, rein.-con. and concrete encased structural steel girder overhead crossing, incl. six 40 ft. and eleven 30 ft. spans on rein.-con. steel bents over Southern Pacific R.R., near Benham; 100 ft. rein.-con. arch culvert at Rincon, both Santa Barbara Co. C. H. Purcell, P. Wks. Bldg., Sacramento, state engr.

Bids Received

TRAINING CAMP — **San Luis Obispo, Calif.**—U. S. Disbursing Officer, 1021 Forum Bldg., Sacramento, Oct. 26, general contract 15 kitchen and mess halls, 1 truck garage, extending water, sewer and electric lines at National Guard Training Camp, for State and Federal Government, from R. E. Bergund, Beverly Hills, $35,940; plumbing, from J. A. Freitas, 2811 East 10th St., Oakland, $8,874; electrical work, from Kline Electric Shop, Los Angeles, $3,932. Noted Oct. 18.

Contracts Awarded

RIVER WALL—**Brighton** (sta. Boston), **Mass.** — Commonwealth of Massachusetts, Metropolitan Dist. Comn., Boston, river wall, Cambridge St., to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $44,300.

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Route 109, Sect. 6, to Rodgers & Haggerty, Grand Central Terminal, New York, $2,679,408. Noted Nov. 1.

FOUNDATION — **Buffalo, N. Y.**—See "Buildings—Commercial under Proposed Work."

HEATING, VENTILATING and PLUMBING—**Elmsford, N. Y.**—Bd. Educ., Dist. 9, Town of Greenburgh, heating, ventilating and plumbing in school, to Houckwell & Smith, Portchester, $40,625; electrical work, to G. A. Barker, Bronxville, $7,842.

STATION FINISH—**New York, N. Y.**— Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 50th, 59th-Columbus Circle, and 72nd St. subway stations of Rapid Transit R.R., to Charles Meade & Co., 217 West 14th St., $44,060. Noted Oct. 11.

SUBWAY—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Sect. 4, Route 106, Rapid Transit R.R., to Slattery-Daine Contg. Co., Bway. and 176th St., $5,232,390. Noted Oct. 25.

TANKS, etc.—**Bayonne, N. J.**—Petroleum Terminal Corp., West 1st St., large metal tank and pipe still buildings, Avenue A and West 1st St., separate contracts. $150,000. Private plans. Noted Nov. 1.

COMFORT STATION—**Harrisburg, Pa.**— City, general contract artificial granite comfort station, Continental Sq., to L. D. Menough, York, $37,487.

DOG TRACK, GRAND STAND, etc. — **Miami Beach, Fla.**—G. L. Rickard, 8th Ave. and 50th St., New York, general contract dog track, kennels, 90 x 115 ft. steel grand stand, 2½ story, rein.-con. clubhouse, 1 story, keeper's cottage, to Harrison Constr. Co., Deering Est., Miami. Est. $150,000.

AIRPORT — **St. Petersburg, Fla.** — City, A. F. Thomasson, chn. Airport Com., Albert Whitted Airport, incl. grading, grassing, changing location power lines, telephones, underground cables, lighting and beacons, hangars, fencing, and service roads, day labor. First appropriation $27,500, final appropriation $105,000. J. Luchini, engr.

SHIPPING DOCK — **Saginaw, Mich.** — Chevrolet Motor Car Co., 3044 West Grand Blvd., Detroit, rein.-con. loading dock with craneway, gantry, Saginaw River, to Everett Winters, 1651 East Grand Blvd., Detroit; dredging, earth embankment, to W. J. Meagher, Fay Blk., Bay City. Total est. $500,000. Noted Oct. 18.

STOCK YARDS and CHUTES—**Carroll, Ia.**—Armour & Co., 208 South La Salle St., Chicago, Ill., stock yards, 40 pens, loading and unloading chutes, to C. Johnson, Carroll, $43,900.

NATATORIUM—**Manitou, Colo.**—Manitou Plunge, Inc., c/o J. B. Rush, Atlers Hotel, Colorado Springs, 3 story, 110 x 188 ft., concrete, stucco natatorium, to Advance Constr. Co., 1601 East 25th St., Denver, $80,000.

GAS MAIN, etc.—**Pueblo, Colo.**—Pueblo Gas & Fuel Co., A. M. Talbott, mgr., 122 West 5th St., 10 in. iron, high pressure gas feeder main, welded joints, automatic regulation station. Owner builds. L. F. Babcock, engr.

LIGHTING SYSTEM — **Los Angeles, Calif.**—Ornamental lighting system on Redondo Blvd., Highland Ave., to G. W. Kemper, 3701 Overland Ave., $40,515. Noted Sept. 20.

STAGE — **Los Angeles, Calif.** — Warner Bros. Pictures, Inc., 5842 Sunset Blvd., 1 story, 203 x 1,330 ft., rein.-con., steel, stage, 5843 Sunset Blvd. $40,000. Owner builds. Architectural Dpt., c/o owners, L. Geib, in charge, archts.

Materials

Bids Desired

LUMBER—**New York, N. Y.**—Nov. 13, by P. J. Dooling, comr. Purchase, Municipal Bldg., lumber and piles to Dpt. Plant & Structures.

BRIDGE LUMBER, etc.—**Indianola, Ia.** —Nov. 15, at office Auditor Warren Co., 208,000 ft. standard sawed fir bridge lumber, 20,000 ft. dimension lumber, 5,000 lin. ft. creosoted yellow pine piling, 2,600 lin.ft. corrugated culvert pipe. D. L. Thomas, Indianola, co. engr.

BRIDGE LUMBER — **Knoxville, Ia.** — Nov. 14, at office Auditor Marion Co., 5 cars rough standard sawed fir plank, 1 car creosoted 3/12 yellow pine plank, alternate bids on creosoted yellow pine or Tennessee red cedar piling. T. Johnson, Knoxville, engr.

GRAVEL—**Fresno, Calif.**—Nov. 16, by D. M. Barnwell, clk. Fresno Co., 2,000 tons gravel for road improvements.

GENERATOR SET—**Los Angeles, Calif.** — Nov. 19, by M. B. Beatty, clk. Los Angeles Co., 400 kw. motor generator set for Hall of Records.

Bids Received

CEMENT—**New York, N. Y.**—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Oct. 31, 5,000 bags portland cement, from P. Solomone, 1358 Brook Ave., $3,075; 2,500 cu.yd. concrete and paving sand, from Lanigan Bros., Bronx River and 165th St., $4,875; 40,000 gal. tar for patching hot application, from Barrett Co., 17 Battery Pl., $5,600; spruce lumber, from J. E. and H. H. Pittinger, 2095 Bway., $1,089. Noted Oct. 25.

SEWER MANHOLE HEADS, etc.—**Jersey City, N. J.**—Bd. City Comrs., City Hall, 50 tons sewer manhole heads and covers, to Campbell Fdry. Co., 313 Manor Ave., Newark, at $0.0324 per lb. Noted Oct. 25.

Foreign

China—Nationalist Government plans improving channel, port development and fortifications on Pearl River, below Canton, E. P. Goodrich, 175 5th Ave., New York, engr.; also plans constructing new capitol building, at Nanking, H. Murphy, 1 Pershing Sq., New York, superv. archt.

See proposal advertising on page 130

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UNIT PRICES

Unit Price Lists Published in October, 1928

		Issue of
Bridge	Gulfport, Miss	Oct. 18
Grade elimination	Cleveland, O	Oct. 25
Paving	Woodward, Okla	Oct. 4
Paving	Los Angeles, Calif	Oct. 25
Road	Lyons, Kan	Oct. 25
Sewers	Seattle, Wash	Oct. 4
Sewers	Fayetteville, N. C	Oct. 4
Tunnel	Boston, Mass	Oct. 11
Tunnel	New York, N. Y	Oct. 18
Waterway	Illinois	Oct. 4

Dam—Pittsburgh, Pa.

Bids were opened by U. S. Engineer Office, Pittsburgh, Oct. 8, furnishing all labor and materials and performing all work required for fabrication, delivery and erection of one upper gate of two leaves and one lower gate of two leaves for 56-ft lock, and one upper gate of two leaves and one lower gate of two leaves for 110-ft. lock at Deadman Island Dam, Ohio River. Bidders are: (A) Independent Bridge Co., P. O. Box 1920, (awarded contract); (B) Heyl & Patterson, Inc., 50 Water St.; (C) Dravo Contracting Co., Dravo Bldg.; (D) Nashville Bridge Co., Nashville, Tenn. Unit bids follow:

	A	B	C	D
900,400 lb. structural steel	$0.0855	$0.0829	$0.0833	$0.08116
1,520 lb. nickel steel	63	.4374	.485	.24
38,780 lb. cast steel	.18	.2324	.185	.17
66,491 lb. forged steel	.18	.1857	.18	.22
2,974 lb. bronze	90	.6440	.585	.70
2,103 lb. pipe and fittings	.18	.2112	.215	.30
33,465 bd ft. oak timber	.144	.1744	.164	.185
Totals	$104,765	$104,864	$102,563	$103,566

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Dam—Graham, Tex.

Ten bids opened by City, Aug. 23, earthen dam on Flint Creek, difference between lowest and average, 11 per cent. Dam is 2,000 ft. long and 40 ft. wide. Side spillway built through rather soft sand rock, which probably can be used as rip-rap. Contractor expects to handle rock excavation by shooting and loading with heavy shovel. Earth work will be a wetted and rolled embankment (earth from borrow pits on both sides of dam) with minimum berm of 100 ft. Soil is sandy clay which can be loaded by shovel or elevating grader. Lowest four and highest bidders are: (A) Womack Construction Co., Plainview, (awarded contract); (B) Tibbetts Construction Co.; (C) L. J. Miles; (D) W. E. Callahan Construction Co.; (E) Irick Construction Co. Hawley & Freese, Capps Bldg., Ft. Worth, engineers.

	A	B	C	D	E
250,000 cu.yd. wetted and rolled emb	$0.35	$0.38	$0.35	$0.39	$0.39
22,000 cu.yd. solid rock excav.	.40	.50	1.25	.80	1.50
17,500 sq.yd. 12-in. rip-rap	.85	.80	.70	1.00	1.10
10,080 sq.yd. 18-in. rip-rap	1.25	1.25	1.10	1.25	1.70
17,500 sq.yd. stone blanket	.425	.30	.45	.40	.75
2,500 squares sodding	.23	.40	.75	.75	.30
2,000 sq.ft. steel sheet piling	1.50	1.20	2.40	.50	*.15
100 cu.yd. 1:2:4 conc.	30.00	26.00	22.50	25.00	20.00
8 cu.yd. 1:2½:5 conc	25.00	25.00	15.00	16.00	18.00
20 cu.yd. 1:1:4 conc.	20.00	15.00	7.00	14.00	10.00
10,000 lb. reinf. steel	.06½	.06	.05	.07	.06
110 lin.ft. handrailing	1.50	3.50	2.00	2.00	1.00
3 20-ft. sluice gates	525.00	1,400.00	450.00	240.00	400.00
1 16-in. gate valve	300.00	300.00	275.00	200.00	300.00
200 lin.ft. 16-in. glass "B" c.i. pipe	4.25	4.00	6.00	5.00	6.00
Totals	$141,928	$147,835	$158,943	$160,823	$186,815

*Wood piling

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Sewage Treatment Plant and Relief Trunk Sewer—Red Bank, N. J.

Bids were opened by Borough Council, Sept. 17, constructing sewage treatment plant (separate sludge digestion type) and relief trunk sewer, (100% dry construction; 62½ to 87½% machine; route 5.5% paved). Thirteen bids were received for the plant and twelve for the sewer. Unit prices of lowest eight and highest bidders are given below. Bidders on plant are: (A) H. L. Harrison & Son, Inc., 31 Clinton St., Newark, (awarded contract); (B) Suburban Engineering Co.; (C) Watchung Construction Co., Inc.; (D) Mahlon Averill; (E) W. L. Sowell, Inc.; (F) Forbes-Murphy Construction Co.; (G) S. S. Thompson & Co.; (H) Tuller Construction Co.; (I) Arnoldt-More, Inc. Trunk sewer: (A) H. L. Harrison & Son, Inc., (awarded contract); (B) Watchung Construction Co., Inc.; (C) S. S. Thompson & Co.; (D) J. L. Sigreto & Sons, Inc.; (E) Coast Construction Co.; (F) Tuller Constructon Co.; (G) Kuchar Bros.; (H) Mahlon Averill; (I) W. L. Sowell, Inc. H. Burdett Cleveland, 225 Bway., New York, engineer.

SEWAGE TREATMENT PLANT	A	B	C	D	E	F	G	H	I
2,860 cu.yd. earth excav., 70% exc. for large tanks, 12 ft. deep, wet, 18% misc. small exc., 12% grading	$1.50	$5.40	$4.00	$4.00	$3.00	$4.83	$5.50	$4.00	$6.00
5 cu.yd. rock excav.	5.00	10.00	10.00	10.00	0.01	8.00	5.00	6.00	10.00
6,610 cu.yd. excess fill taken from river, silt cover to be removed first, includes grading and seeding and rolling beneath pipe lines	1.25	0.90	1.20	1.00	1.50	1.25	0.50	1.00	1.10
2,960 lin.ft. piling, 12 in. butts, over 20 ft. long	0.80	0.80	0.90	1.10	1.10	1.00	1.00	0.80	1.00
2,295 lin.ft. piling, 10 in. butts, under 20 ft. long	.75	.80	.90	1.05	.80	1.00	1.00	.75	1.00
1,100 cu.yd. 1:2:4 reinforced conc. (exclusive of sea wall and including reinforcement) 47% sides and bottoms of tanks 12 in.—30 in. 53% misc. small sections 6 in.-10 in.	34.00	26.00	28.00	28.80	31.60	32.10	32.00	33.00	33.00
378 lin.ft. sea wall 11 ft. high, 37 sq.ft. section, 1¾ in. gunite face (includes cofferdam, excavation, concrete, reinforcing and expansion joints, complete)	40.00	49.00	41.50	45.75	53.00	51.80	44.00	58.00	70.00

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(*Concluded on page 256a*)

UNIT PRICES Continued on Page 256a

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, New York, N. Y., Three Hundred Thirty West 42nd St. Corp., takes bids in Spring, $22,500,000.

Sewers, New York, N. Y., Bd. Estimate & Apportionment, City Hall, retained engineers, $18,000,000-$20,000,000.

Factory, Baltimore, Md., Western Electric Co., $15,000,00.

Dam, Egypt, Egyptian Government, $10,000,000.

Hall of records, Camden, N. J., City Comrs., $6,000,000.

Power plant, etc., Abilene, Tex., West Texas Utilities Co., $5,000,000.

Cannery, California, S. J. Lubin, Sacramento, representing owner, $5,000,000.

Power plant, etc., Woodland, Wash., Northwest Electric Co., Portland, Ore., $5,000,000.

Plant, Seattle, Wash., Boeing Airplane Co., $4,000,000.

Hotel, Stamford, Conn., Shippan Point Hotel Corp., sketches, $4,000,000.

Hospital, New York, N. Y., Psychopathic Hospital c/o Bd. Trustees Bellevue & Allied Hospitals, $3,700,000.

Hotel and garage, Long Branch, N. J., W. H. Pawson, New York, sketches, $3,000,000.

Rayon plant, Charlotte, N. C., Rayon Co. of America, Wilmington, Del., $3,000,000.

Excavation, Prescott, Ont., Dpt. P. Wks., Ottawa, soon takes bids, $2,000,000. Total $5,000,000.

Irrigation, Cotulla, Tex., LaSalle Co. Water & Irrigation Dist., election soon, $2,000,000.

Golf club, etc., Marion, Mass., Devonshire Manor Sales Corp., New York, revised plans, $1,500,000.

Biological institution, Cambridge (br. Boston), Mass., Harvard College, sketches, $1,500,000.

Office, Vancouver, B. C., G. A. Stimson & Co., Ltd., $1,500,000.

Club house, Newark, N. J., Knights of Columbus, $1,500,000.

Apartment, Kansas City, Mo., C. O. Jones, $1,500,000.

Gas plants, Regina, Sask., Drake-Jones Co., seeking franchise, $1,500,000.

Apartment, New York, N. Y., Montoya Realty Co., $1,250,000.

Automatic signal installations, Kansas, Illinois and Louisiana, Missouri Pacific R.R., Co., St. Louis, Mo., $1,135,000.

Streets, Boston, Mass., City Council passes loan order, $1,100,000. Total, $1,900,000.

Exhibition, Toronto, Ont., Canadian Natl. Exhibition, competitive plans, $1,000,000.

School, Jersey City, N. J., Bd. Educ., revised sketches, $1,000,000.

Apartment, Mount Vernon, N. Y., R. B. Smith, New York, $1,000,000.

Office and theatre, Newark, N. J., Stanley Fabian Corp., $1,000,000.

Roads, Clarendon, Tex., Donley Co., election Nov. 21, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 261.

Bank and office, Bloomfield, N. J., Bloomfield Trust Co., $1,000,000.

City Hall, St. Catherines, Ont., City, $1,000,000.

Bids Desired

Factory, Chicago, Ill., F. E. Davidson, archt., takes bids about Dec. 5, for owners, $1,000,000.

Contracts Awarded

Hydro-electric development, Springfield, Mo., Empire Electric Co. (subsidiary H. L. Doherty Interests, New York) by own forces, $16,700,000.

Bridge, Longview, Wash., Wesley Vandercook, secy., Columbia River Longview Bridge Co., to Bethlehem Steel Co., Pittsburgh, Pa., est., $5,000,000.

Road, Costa Rica, Government Costa Rica, San Jose to Simmons Constr. Corp., Charlotte, N. C., $3,000,000.

Apartment, Pittsburgh, Pa., Arlington Apartments, Inc. to Sumner-Sollitt Co., Chicago, Ill., est., $$2,000,000.

Hotel, Niagara Falls, Ont., General Brock Hotel Co., Ltd., to Pigott Constr. Co., Ltd., Hamilton, est., $1,000,000.

Docks and terminal, Walkerville, Ont., International Terminals, Ltd., Windsor to Merlo, Merlo & Ray, Ford City, $1,000,000.

College, Detroit, Mich., U. Frundt, chn. Building comn., c/o Duns Scotus College, Cincinnati, O., to W. E. Wood Co., est., $1,000,000.

Apartment, New York, N. Y., Malex Realty Corp., to H. R. H. Constr. Corp., est., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

Mass., Wareham — See "Streets and Roads."

Mich., Ann Arbor—Extending waterworks, incl. c.i. trunk, lateral mains, auxilary pumping equipment. $500,000. G. H. Sandenberg, City Hall, engr.

Illinois—Private Corp., c/o W. A. Fuller Co., engrs., 1912 Railway Exch. Bldg., St. Louis, Mo., soon takes bids impounding reservoir, 1 m.g. filter plant, 100,000 gal. steel tank on tower in each town 107,000 ft. 4- to 10-in. c.i. mains, 100 fire hydrants. $225,000. Noted Sept. 6.

Calif., Laguna Beach — Laguna Beach Co. Water Dist., P. O. 647, purchasing 1,500 ft. 4 in. and 500 ft. 6 in. c.i. Class B sand cast and centrifugal or alternate 1,500 ft. 8 in. and 500 ft. 6 in. c.i. pipe.

Que., Montreal—New pumping station in connection with waterworks. $700,000-$800,000. H. A. Terreault, city engr.

Ont., Belleville — City Council, concrete, brick filtration plant, piping, pumps, filters, valves. $50,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., Capreol—Town Council, pumps and deep wells, 3½ mi. 6 and 8 in. mains, 22 x 90 ft. high standpipe. $90,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Bids Desired

N. Y., Long Island City—Nov. 20, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 52nd Dr., 52nd, 63rd, 78th, Ash and Goethals Aves., Austin, 66th, 83rd, 96th, 164th, 295th, 216th and 243rd Sts.

N. Y., New York—Nov. 20, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bronx and Pelham Parkways, Fordham, Gun Hill and Kingsbridges Rds., Moshoulu and Tibbetts Aves., East 179th, East 233rd, and West 167th Sts., Bronx Boro.

N. J., Newark—Dec. 6, by North Jersey Dist. Water Supply Com. Wanaque Aqueduct, incl. 164,000 ft. 72 in. steel pipe line with appurtenances. Fuller & McClintock, 170 Bway., New York, engrs. Noted July 26.

O., Youngstown—Dec. 5, at office Secretary Bd. Directors Mahoning Valley Sanitary Dist., 901 City Bank Bldg., clearing, grubbing Meander Creek Reservoir. W. H. Dittoe, ch. engr.; adv. E. N.-R. Nov. 15.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ind., Evansville — Nov. 26, by Bd. Trustees Waterworks Dpt., 3rd and Walnut Sts., extensions, additions to waterworks. J. C. Males, secy.

Ont., Blind River — Nov. 21, by M. L. Dyke, town clk., 1200 imp. g.p.m. engine driven, 3 stage centrifugal pump with valves, fittings, venturi meter and accessories. $10,000. F. A. Dallyn, 71 King St. W., Toronto, engr.

Contracts Awarded

Massachusetts—Towns of Harwich, Chatham, Dennis and Yarmouth, new central waterworks, to Chase & Gilbert, engrs., 250 Stuart St., Boston, by separate contracts. Est. exceeds $15,000. Noted Sept. 6.

Mass., Cambridge (br. Boston) — City Water Bd., J. J. Scully, chn., Water Bd., 1 story, brick pumping station, plain found., to J. Slotnick, 199 Washington St., Boston, $41,000. Noted Sept. 20.

Mass., Waltham (Ind. br. Boston)—Dpt. Mental Diseases, Boston, 13,900 lin.ft. 6- to 10-in. c.i. water pipe, backfilling, at Metropolitan State Hospital, to Federico & Susi, 45 Wales Pl., Dorchester, $18,606. Noted Mar. 1.

N. Y., Harrison — Bd. Trustees Joint Water Works 1, 8 Elm St., Mamaroneck, extending mains from Mamaroneck pumping station to North St. and Pleasant Ridge Rd., to Ferrerini Annarrelli & Co., 344 Mamaroneck Rd., Mamaroneck. Noted Oct. 18.

N. Y., Long Island City—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Queens Blvd., 41st, 45th, 48th and 50th Sts., to Grippo Contg. Co., 85 Webster Ave., $10,032.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Peters Pl., Boston Rd., Coddington, Decatur and Fish Aves., to Riverdale Water Works Corp., 1 Riverdale Ave., $7,700. Noted Nov. 1.

Fla., Palmetto—City Comrs., generating unit, incl. 120 hp. oil burning engine, two 500 gal. low lift, one 350 gal. and two 50 gal. high lift centrifugal pumps, to Fairbanks-Morse Co., Beloit, Wis., $17,000; General Electric switchboard and installation, to Palmetto Electric Co., Palmetto; water pipe lines connecting plant with city

See proposal advertising on page 127

Constr. News page 257

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

mains, to H. A. Butler, Sarasota, $9,400. Noted Oct. 4.

Miss., Calhoun—Mayor and Bd. Aldermen, 28,830 ft. 2 and 6 in. c.i. mains, 15 fire plugs, 50,000 gal. tank on tower, to H. A. Forrest, 918 Short St., New Orleans, La. Noted Oct. 4.

Miss., Decatur—Waterworks and sewers, to McCrary Eng. Corp., Bankhead Ave., Atlanta, Ga., $14,710 and $14,426 respectively; deep well, to Layne Central Co., Jackson, $3,927; tank and tower, to Chattanooga Boiler & Tank Co., 1011 East Main St., Chattanooga, Tenn., $4,000; valves and hydrants, to Columbia Iron Wks., 811 Boyce St., Chattanooga, Tenn., $641. Grand total $37,704. Est. $45,000. Noted Oct. 4.

Mich., Detroit — Dpt. Water Supply, Water Board Bldg., 84 and 96 in. venturi meters, to Builders Iron Fdry., 9 Codding St., Providence, R. I., $14,616.

Mich., Detroit—Bd. Water Comrs., motor driven pumping unit for Fenkell Ave. Booster Station, to Worthington Pump & Mchy. Corp., 2 Park Ave., New York, $5,600. Noted Oct. 4.

Ill., Chicago—Bd. Local Impvts., c.i. water supply pipes, specials, castings, fire hydrants, valves, brick valve basins in 1 alley, West 43rd, 45th, 47th, and 51st Sts., Archer, Caldwell, Jean, Wildwood, Tonty, Lehigh, South Cicero, La Crosse, Lamon, La Porte, Lavergne, Lawler, Leclare, Leamington and South Laramie Aves., to S. Ryan, 2927 West Congress St. Noted Oct. 18.

Tex., Archer City—For 21,650 ft. 6 and 8 in. c.i. mains, 100,000 gal. elevated tank, concrete reservoir, to Roebeck-Humphrey Co., Omaha, Neb., $33,000. Noted Nov. 8.

Wash., Bellingham—City Council, 11,000 ft. 48 in. wood intake pipe at Lake Whatcom, to Johnson & Johnson, Bellingham, $15,485.

Calif., Upland—San Antonio Water Co., two 1 m.g. rein.-con. reservoirs, to H. G. Klusman, Cucamonga, $21,550.

Sewers

Proposed Work

Mass., Waltham (Ind. br. Boston)—City Council appropriated $25,000, sewer work.

Mass., Wareham — See "Streets and Roads."

N. Y., New York—Bd. Estimate & Apportionment, City Hall, retained Fuller & McClintock, engrs., 170 Bway., to prepare plans sewage treatment plant, Ward Island. $18,000,000-$20,000,000. Noted Aug. 23.

N. J., Bradley Beach—Bd. Boro Comrs., Boro Hall, 2 septic tanks, one at Ocean Park and Ocean Ave., other at Evergreen and Ocean Aves. $150,000.

N. J., Clifton — Bd. City Council, City Hall, sanitary sewer in Allwood Sect. $50,000. J. L. Fitzgerald, city engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, preliminary plans storm sewerage system in Elizabeth Ave. to Trumbull St., Smith St. to water front, East Jersey and Pine Sts. $500,000. T. Collins, city engr.

N. J., Irvington (br. Newark)—Bd. Town Comrs., Town Hall, constructing, enlarging supplemental joint trunk sewer. $178,000. I. J. Casey, Jr., town engr.

N. J., Oradell—Bd. Boro Council, Boro Hall, sanitary sewerage system in 2nd Hill Dist. $100,000. F. J. Campbell, 167 Main St., Hackensack, boro engr.

Md., Baltimore—Bd. Awards, rejected bids Oct. 10, sanitary sewers in Sewer Dist. G-1, Contr. 254. M. J. Ruark, sewerage engr.

O., East Liverpool — Bd. Control, bids early in 1929, sanitary sewerage system in Maplewood, Park Blvd. and Beechwood. $50,000. F. Clapsaddle, East Liverpool, engr.

Ill., Chicago—Sanitary District of Chicago, 910 South Michigan Ave., preliminary plans intercepter sewer extending drainage and sewage relief to Oak Park, Berwin, Stickney and Forest Park. $7,000,000. T. J. Crowe, pres.

Mo., California—Soon takes bids 28,000 ft. 8 in. vitr. clay sewers. $35,000. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, and 408 McDaniel Bldg., Springfield, engrs.

Mo., St. Louis—Preliminary plans reconstructing sewers in Louisa St. $26,583; dressed granite block repaving Clark Ave. between 12th and 14th Sts., $10,000. W. W. Horner, City Hall, engr.

Tex., Houston—Sewerage system in Memorial Park. $55,000. J. C. McVea, city engr.

Tex., Paris — City, c/o J. M. Crook, mayor, sewerage system, incl. disposal plant. $250,000. Hawley & Frees, 411 Capps Bldg., Ft. Worth, engrs.

Okla., Chickasha—Sewers in Sewer Dist. 66. To exceed $25,000. R. O. Bradley, Chickasha, engr.

Ont., Capreol—For 20,000 lin.ft. 8 in. and up vitr. tile sewerage system. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Nov. 8.

Ont., Sarnia—City Council, 4-5 mi. 8 in. and up vitr. tile sewer in College Ave. $150,000. W. B. Beatty, City Hall, engr.

Ont., Sarnia—Council extending sewers, watermains to Point Edward via College St. $150,000. W. B. Beatty, City Hall, engr.

Ont., Saulte Ste. Marie—For 18, to 36-in. vitr. tile sewers in St. Georges Ave., Queen, John, North and Bloor Sts. $66,200. A. H. Russell, City Hall, engr.

Bids Desired

N. Y., Brooklyn—Nov. 21, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 95th and Newport Sts.

N. J., Union—Nov. 19, by Twp. Comn., Town Hall, 4,780 ft. 8 in. sanitary sewers in Morrison Ave. Former bids rejected. $35,000. H. Kreh, Falls Bldg., twp. engr. Noted Nov. 1.

Pa., Phila.—Nov. 21, by Dpt. P. Wks., Bureau of Engineering & Surveys, Schedule A, branch sewers in 65th and Hasbrook Aves., Coulter, Courtland, Devereaux, 8th, Gerritt, H, Juniper, Knorr, Moore, 20th, Sterling, Renovo and 21st St.; Schedule B, main sewer in Knorr St.; Schedule C, wooden foot bridge over Pennsylvania R.R. tracks on 17th St. line; Schedule D, sewage disposal for Upper Delaware Collecting Sewer.

Ala., Mobile—See "Streets and Roads."

Mich., Detroit—Nov. 21, by Dpt. P. Wks., monolithic concrete sewers in tunnel, 2,740 ft. 7 ft. to 4½ ft. cylinder in Harper Arm, West of Marseilles in Harper Ave.; 1,519 ft. 4 ft. and 3 ft. 9 in. cylinder in Harper Arm, East of Marseilles in Harper Ave.; 1,990 ft. 4½ ft. to 3½ ft. cylinder in Morang Ave. Arm North of Harper in Morang Ave.; 2,537 ft. 5½ ft. to 2 ft. 9 in. cylinder in Paul Ave. Arm, Sect. 2, East of Southfield Ave. in Paul Ave.; 2,720 ft. 7 ft., 6 ft. 9 in. and 4½ ft. cylinder in Paul Ave. Arm, Sect. 1, East of Southfield in Paul Ave.; 4,638 ft. 7 ft. 9 in. to 6 ft. and 2½ ft. cylinder in River Rouge Interceptor E., Sect. 9, in Schoolcraft, Lamphere and Lyndon Aves. P. A. Fellows, City Hall, city engr.

Ill., Chicago—Nov. 22, by M. J. O'Brien, clk. Sanitary District of Chicago, 910 South Michigan Ave., Racine Avenue Sewage Pumping Station, Div. A. T. J. Crowe, pres.

Mo., St. Louis—Dec. 4, by Bd. P. Serv., City Hall, 32 ft. rein.-con. horseshoe sewer in Sect. 1 of River Des Peres Project. $1,050,000. W. W. Horner, City Hall, engr.

Calif., Sacramento—Nov. 22, by H. G. Denton, city clk., 3 mi. 72 in. trunk line sewer with lateral connections in North B St. between 7th and 17th Sts. $300,000. B. C. Clark, city engr. Noted Oct. 25.

Ont., Toronto—Nov. 27, by S. McBride, mayor, Parkdale Relief Sewer in Boulevard Dr., MacDonell Ave., Dufferin and Queen Sts., concrete or concrete and brick. $150,000. R. C. Harris, City Hall, engr.

Contracts Awarded

N. Y., Brooklyn—Brooklyn Ash Removal Co., at office Street Cleaning Dpt., Municipal Bldg., New York, incinerators at (1) Gowanus Canal (2) Newtown Creek (3) Avenue J, to Hiler Eng. & Contg. Co., 122 Livingston St. (1) $380,000 (2) $380,000 (3) $364,000; chimneys to M. W. Kellogg, 71 Dey St., New York (1) $31,000 (2) $32,800 (3) $32,000. Grand total $1,218,800. Noted Nov. 1.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to S. Guerriero Co., 1024 6th St., sewer in Glenwood Rd. $3,278, Midwood St. $3,278, West 8th St. $2,291; to J. Picone Contg. Co., 18th St., Highland Ave., $1,290. Grand total $10,137. Noted Oct. 25.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to P. J. Greenough, 9919 Guilford Ave., Forest Hills, sewer in Bliss St. $1,597, Laurel Hill Blvd. $4,005, Beddard St. $2,227, 106th St. and Sutter Ave. $1,533, 121st St. $1,261; to Lione Constr. Co., La Forge St. $1,975, 6th Ave. $3,667, 77th St. $835; to M. Paino, 32 Court St., Brooklyn, 68th St. $1,956, Van Horn St. $3,456; to J. D. Walsh, 132 4th St., Brooklyn, Crocheron Ave. $921; to Peace Bros., Inc., 57 North Lawrence St., Flushing, 172nd St. $1,979; to J. DeGregory, Brinkerhoff Ave. $63,882, Beach 136th St. $116,837; to Catapano & Ambrosio, 1016 60th St., Brooklyn, 108th St. $6,030; to Angelo Paino Constr. Co., 9215 Union Hill, Jamaica, Tuckerton St. $96,734, Sutphin Blvd. $72,598. Grand total $381,493. Noted Oct. 18.

N. J., Hillside (br. Elizabeth) — Twp. Comn., Municipal Bldg., storm sewer in Sect. 1, to Decker & Canning, Falls Bldg., Union, $457,123. Est. $546,916. Noted Nov. 1.

Miss., Flora—For 35,000 ft. 6- to 10-in. sewers, 1 rein.-con. septic tank, to Dodson Humphries, Lincoln, Neb., $17,984 and $3,560 respectively. Noted Oct. 25.

Ky., Sturgis—Sewers, disposal plant, to Christianson Bros., Urbana, Ill. Est. exceeds $25,000. Noted Oct. 18.

O., Garfield Heights (br. Cleveland) — Concrete sewer in Henry St., to Carroccio, Gaudio & Nero, 14109 Benwood Ave., Cleveland, $41,116.

Ill., Chicago—Sanitary District of Chicago, 910 South Michigan Ave., 21 branch sewers, Salt Creek Intercepting Sewer, Contr. 4, to T. J. Prendergast Co., 192 North Clark St., $170,960. Noted Oct. 18.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Nov. 8, from General Contractors, 4728 Lisbon Ave., sewer in Auer Ave. $6,531, Burrell Ave. $1,505, 37th Ave. $1,775, Dixon St. $1,620, Stevenson St. $313, from Zimmermann & Zimmermann, 2826 State St., 18th St. $8,199, Locust St. $11,899; from Clayton Constr. Co., Port Washington Rd., Main St. $14,980; from H. Hohensee, 1282 10th Ave., 75th St. $14,305, 32nd St. $1,220; from Werner Co., 728 8th Ave., Wauwatosa, 73rd St. $15,068.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., sewers in Main St., to Ribbens Bros., 2415 Richards St., $2,260; Mt. Vernon Ave., to Kehrein Bros., 1096 23rd St., $912; 62nd St., to Wenzel & Henoch, 498 27th St., $8,771; 63rd St., to Wisconsin Sewer Constr. Co., 146 30th St., $11,815; 67th St., to F. A. Goll, 223 18th St., $11,409; 68th St., to Klump & Johnston, St. Francis, $10,636. Grand total $45,803.

Ark., Sheridan—City, c/o W. F. Wafford, mayor, 32,775 ft. 6- to 12-in. concrete sewers, 62 manholes, 8 flushtanks, 1 sludge drying bed, to L. L. McEachin Constr. Co., 714 Home Insurance Bldg., Little Rock $35,098. Est. $38,000. Noted Sept. 6.

Tex., Archer City—For 1,250 ft. 10 and 12 in. c.i. and 16,861 ft. 6- to 12-in. vitr. tile sewers, sewage treatment plant, to Roebeck-Humphrey, Omaha, Neb., $38,080. Noted Nov. 8.

Tex., San Antonio—Sewer mains, laterals in Palm Heights Addition, to Kirkwood, Wharton & Lee, 456 Main St., $41,821. Noted Nov. 1.

Calif., Los Angeles — Los Angeles Co., 6.12 mi. cement sewers, manholes, Impvt. 767, Lennox Unit 1, to J. W. Henderson & B. D. Zaich, 106½ South Glendale Ave., Glendale, $47,866. Noted Nov. 8.

Ont., Toronto — Sewers in Erskine Ave. and Yonge St. Sects. J-K and L-M, to National Contg. Co., 9 Garnock Ave., $17,680; Chatsworth Dr., Brownlaw and Falcon Aves., to J. Formica, 2147 Dufferin St., $5,475; Redpath Ave., to A. Cavotti, 941 College St., $8,000; Roselawn Ave., to Maguire Contg. Co., 172 Eglinton St. W., $6,453; 3 streets, 3 avenues and Jedburgh Rd., to W. E. Taylor, 22 Falcon St., $25,402; Bathurst St. and lane south of Dundas St., to owner, by day labor, $9,229. Grand total $70,139. Est. $65,000.

Ont., Windsor—For 2 mi. 8 in. and up vitr. tile sewer in Memorial Park Subdivision, to Calouttí Bros., 612 Langlois Ave. Est. $48,000.

Waste Disposal

Proposed Work

N. Y., Brooklyn—Brooklyn Ash Removal Co., 26 Court St., plans by T. E. Murray, 55 Duane St., New York, 3 story, 139 x 200 ft., brick, concrete incinerator, East 57th St. and Flatlands Ave. $400,000.

Bids Desired

Tex., San Angelo—City taking bids incinerator. $25,000. Address E. V. Spence, city mgr.

Contracts Awarded

Mass., Worcester—City, Bd. Health Dpt., T. F. Kenney, incinerator plant, Albany St., to Decarie Incinerator Co., 342 Madison Ave., New York, $99,295.

Bridges

Proposed Work

N. Y., Huntington—Bd. Supervs. Suffolk Co., Griffing Ave., Riverhead Bridge, on Mill Dam Rd., near Halesite. $25,000. A. O. Smith, Port Jefferson, co. hy. supt.

Constr. News page 258

Draw Your Own Conclusions

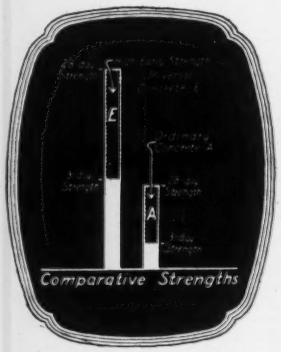
From These Actual Job Tests

Concrete as commonly mixed and placed reaches a compressive strength of about 2000 pounds per square inch in 28 days. The following examples show what you can accomplish with the standard grade of Universal cement in a fraction of this time.

2494 lb. concrete in 3½ days
Heavy-Duty Foundry Floor
Du Bois, Pa.
Alfred Johnson, Du Bois, Pa., *contractor*

2780 lb. concrete in 3 days
Street Pavement
Lake Forest, Ill.
Johnson & Anderson, Chicago, *contractor*

2255 lb. concrete in 65 hours
Bridge Floor
Minot, N. Dak.
P. L. Elliott, Minneapolis, *contractor*



2047 lb. concrete in 20½ hours
Highway Pavement
Amnicon Falls, Wis.
A. N. Nelson, Duluth, *contractor*

2655 lb. concrete in 2½ days
Sewer (*Intercepting Chamber*)
Chicago Sanitary District
E. J. Albrecht, Chicago, *contractor*

2115 lb. concrete in 3 days
Roof Slab (*A Winter Job*)
Morgantown, W. Va.
Consolidated Construction Co., Wheeling, W. Va.

4387 lb. concrete in 3 days
Street Intersection
Downers Grove, Ill.
A. E. Bounsall, Kenosha, Wis., *contractor*

3303 lb. concrete in 7 days
Manholes for Conduit
Chicago (*Commonwealth Edison Co.*)
Bates & Rogers Construction Co.
Chicago—Cleveland

When You Get One, You Get All Three

1. ***Strong concrete in 3 days***

With the usual materials, usual equipment, usual labor and usual Universal cement, you can secure at 3 *days*, concrete that is stronger than ordinary concrete at 28 *days*.

2. ***Permanently stronger concrete***

As shown in the diagram above, *High-Early-Strength* Universal Concrete not only has a high 3-day strength but is *permanently stronger* than concrete as ordinarily mixed and placed.

3. ***Denser and more durable concrete***

In addition, the methods by which *High-Early-Strength* Universal Concrete is obtained produce a denser and more durable concrete.

Description of methods for securing on the job strengths comparable to any of those shown above will be sent on request.

A Brand New Booklet—
Mail the coupon for your copy

Name _____

Address _____

Universal Portland Cement Co.
208 So. La Salle Street, Chicago
Without obligation, please send me your new booklet giving full details for securing strong concrete in 3 days with the usual materials and labor.
E.N.R. 11-15-28

Universal Portland Cement Co.
SUBSIDIARY OF U. S. STEEL CORPORATION
Chicago Pittsburgh Minneapolis Duluth, Cleveland Columbus New York

One Standard Cement for All Concretes and Mortars

Bridges—(Continued)

N. J., Freehold — Bd. Freeholders Monmouth Co., Court House, preliminary plans several rein.-con., steel bridges. $100,000. Allen & Randolph, 60 Broad St., Red Bank, co. engrs.

Fla., Jacksonville—See "Unclassified."

Mich., Port Huron — Grand Trunk Ry., 400 East Jefferson Ave., Detroit, J. A. Heaman, ch. engr., 300 ft. steel truss bridge over Black River, on 15th St.

Tex., Beaumont—Jefferson County, and Kansas City Southern R.R. Co., A. N. Reece, ch. engr., Kansas City, Mo., highway and railroad bridge over intracoastal canal near Gulf Refinery plant, outside city limits. $400,000. Jefferson Co. plans election at once to vote on bonds for its portion of cost.

Tex., Big Springs—City, Howard Co., and Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., Dallas, soon take new bids 250 ft. steel span, timber, concrete viaduct across railroad tracks on Hy. 1. $125,000. Hy. Dept., Austin, granted $25,000 toward cost. Address H. R. Davenport, Big Springs, co. judge. Noted Aug. 9.

Oklahoma—State Hy. Comn., Oklahoma City, preliminary plans 160 ft. rein.-con. bridge over East Beaver Creek, near Walters, Cotton Co., to exceed $25,000; 125 ft. rein.-con. bridge on Hy. 19, near Center, Pontotoc Co., $25,000. C. R. Mandigo, state hy. engr.

Okla., Lawton—F. P. Aycock, clk. Comanche Co., rejected bids Oct. 29, 3 span 76 ft., steel truss and 2 I-beam span bridge. $30,000. S. Joyner, Lawton, engr.

Colo., Buelah—See "Streets and Roads."

Bids Desired

N. Y., New York—Nov. 21, by A. Goldman, comr., Plant & Structures, Municipal Bldg., New York, reinforcement, reconstruction Kisco River Bridge, over Kisco River.

Pa., Phila.—See "Sewers."

Louisiana—Nov. 20, by State Hy. Comn., Baton Rouge, 120 ft. steel truss span and one timber abutment pier additional to bridge (under construction) over Red River, Rapides Parish. J. M. Fourmy, Baton Rouge, ch. engr.

Ky., Louisville—Dec. 12, by Louisville Bridge Comn., City Hall, approaches to bridge over Ohio River. R. Modjeski & F. M. Masters, Keystone Bldg., Harrisburg, Pa., engrs.; adv. E. N.- R. Nov. 15.

Ohio—See "Streets and Roads."

Kan., Wellington — Dec. 3, by J. A. Alexander, clk. Sumner Co., Court House, four 7 ft. multiple box span bridge, 33 ft. wide, three 8 ft. multiple box span bridge, 30 ft. wide, four 45 ft. deck girder span bridge, 20 ft. wide, also 1,700 cu.yd. channel change, Kansas Project 667-B, Road K-49; seven 8 ft. multiple box span bridge, 30 ft. wide, six 40 ft. deck girder span bridge, 24 ft. wide, Kansas Project 727. G. Roseberry, Court House, engr.

Montana—See "Streets and Roads."

Texas—Nov. 20, by G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridges on Hy. 114, Dallas Co., $153,000, C. L. Williford, Dallas, resident engr.; timber pile trestle bridges on Hy. 8, Hardin Co., $86,400, J. Douglas, Houston, div. engr.

Texas—Nov. 20, by G. Gilchrist, state hy. engr., Austin, 6 rein.-con. bridges over 20 ft. span, on Hy. 12, Goliad Co. $39,600. H. C. Porter, Goliad, resident engr.

Colo., Denver—Nov. 20, by Dpt. Impvts. & Parks, rein.-con. bridge over Cherry Creek, on Washington St. A. K. Vickery, City Hall, engr.

Calif., Hamilton City—Nov. 28, by State Hy. Comn., Sacramento, bridge to have one 40 ft. 8½ in. structural steel, timber lift span on concrete pile bent and four 19 ft. timber span on r.w. pile bents over Glenn-Colusa Irrigation Canal, Glenn Co. C. H. Purcell, P. Wks. Bldg., Los Angeles, engr.

Contracts Awarded

N. J., Belvidere—Warren Co., Court House, rein.-con., steel bridge over Bulgings Brook, to S. S. Thompson & Co., 170 Monmouth Ave., Red Bank, $55,167.

Alabama—State Hy. Comn., Montgomery, bridges on S-357 Calhoun and Cleburne Counties, to J. Graham, Montgomery, $8,354—culverts on same project, to W. J. Bryson Paving Co., Jacksonville, Fla., $36,553—bridges S-293-294 Montgomery Co., to E. Pettus, Montgomery, $52,256—culverts on same project, to Winter Constr. Co., Montgomery, $43,028. Grand total $140,191. Noted Oct. 18.

Kentucky — State Hy. Dept., Frankfort, sub-structure bridge over Cumberland River on Blackmont-Cardinal Rd., Bell Co., to F. W. Graham Co., Pineville, $24,022; bridge over Simpson Creek, Nelson Co., to J. V. Schickli, 1837 Greenwood St., Louisville, $15,169. Noted Sept. 13.

Kentucky — State Hy. Dpt., Frankfort, bridges in Lincoln Co., to Phelps Constr. Co., Somerset, $11,548; in Logan Co., to H. V. Hay, Booneville, Ind., $14,668. Noted Oct. 4 under "Streets and Roads."

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridges in Vermilion Co., to W. C. Meneely Co., Monticello, $27,787—Schuyler Co., to Pittsburg Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., $29,727—St. Clair Co., to C. H. Atkinson Paving Co., Watertown, S. D., $48,693. Grand total $106,207. Noted Sept. 20.

Iowa — State Hy. Comn., Ames, to P. Jayne, Cedar Rapids, bridges in Jones Co., $13,998—to Jensen Constr. Co., Kimballton, Keokuk Co., $44,840—to Wilson Concrete Co., Red Oak, Marion Co., $19,500; Mills Co. $2,366; culverts in Wayne Co., $2,761—to E. C. O'Hair, Thompson, Chickasha Co., $7,572—to Snyder & Johnson, Humboldt, Dallas Co., $3,395—to Wickham Bridge & Pipe Co., Council Bluffs, Dickinson Co., $853—to H. T. Stillman, Ames, Marion Co., $6,600. Grand total, $102,085. Noted Oct. 25.

Ia., Rockwell City—Calhoun Co., high truss bridge, approaches, to Lundgren-Reis Co., 125 College St., Des Moines, $32,246.

Kan., Paola—Miami Co., 3 bridges on Project 73-E, 18, Federal Aid Project 213-B and C, to Leavenworth Bridge Co., Leavenworth, $16,254—bridges on Project 7-19, Federal Aid Project 293-D and E, to Western Bridge Co., Harrisonville, Mo., $28,432. Noted Oct. 11.

North Dakota—See "Streets and Roads."

Mo., St. Louis—Bd. P. Serv., City Hall, timber deck and new railroad tracks for southern railroad approach to St. Louis Municipal Bridge, to Frazier-Davis Constr. Co., Arcade Bldg., $202,956.

Wash., Longview — Wesley Vandercook, secy., Columbia River Bridge Co., Longview-Ranier Bridge over Columbia River, 3,642 ft. long, 2,278 ft. approaches, 24 ft., to Bethlehem Steel Co., Oliver Bldg., Pittsburgh, Pa. Steel fabrication for above, to Wallace Steel & Bridge So., Seattle; approaches, to Pacific Bridge Co., East Salmon St., Portland, Ore. Total est. $5,800,000. Noted Feb. 9.

California—C. H. Purcell, state hy. engr., Sacramento, widening rein.-con. bridge over Prima Deschecha Canada, Orange Co., to Oberg Bros., Los Angeles, $32,340. Noted Oct. 18.

Dams

Proposed Work

Wash., Woodland—See "Buildings—Industrial."

Contracts Awarded

N. J., North Caldwell (mail Caldwell)—J. D. Armitage, 105 West 40th St., New York, 344 ft. rein.-con. dam 9 to 12 ft. high, to J. L. Sigretto & Sons, Inc., 1324 North Broad St., Hillside. Est. $25,000.

Va., Snowden — See "Buildings — Industrial."

Railways

Proposed Work

New York and New Jersey—West Shore R.R. Co. (subsidiary New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York), 4 tracking line from Dumont, N. J., to Tappan, N. Y.

Kansas and Colorado — Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., T. W. Cheatum, supt. Colorado Div., Osawatomie, Kan., replacing 120 mi. 90 lb. steel rails between Shields, Kan., and Sugar City, Colo. Contract for 15,000 tons rails, to Colorado Fuel & Iron Co., Pueblo, Colo.

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, 10 mi. railroad in Scott and Cape Girardeau Counties.

Arkansas — See "Buildings Industrial" under Rogers, Ark.

Texas—W. T. Eldridge, Sugarland, purchased Uvalde & Northern R.R. Co., with 37 mi. railroad line from Uvalde to Camp Wood, plans extending 65 mi. standard gauge line from Camp Wood to Menard. $200,000. Private plans.

Washington—Sound Timber Co., Everett, 7 mi. logging railroad along Sauk River.

California—Southern Pacific Co., G. M. Boschke, ch. engr., 65 Market St., San Francisco, 6.06 mi. railroad from Kerman to Viola, Fresno Co. $252,379.

Contracts Awarded

Kansas and Colorado — See "Proposed Work."

Missouri—See "Bridges under St. Louis."

Airports

Proposed Work

AIRPLANE HANGAR—**Cleveland, O.**—U. S. Air Line Corp., c/o H. Pennington, Union Mortgage Bldg., plans by Hadlow, Hughes, Hick & Conrad, Union Mortgage Bldg., 1 story, 100 x 120 ft., brick, steel, airport grounds. $100,000. Noted Oct. 25.

AIRPORT—**Los Angeles, Calif.**—Fokker Aircraft Corp., 110 East 42nd St., New York, aircraft plant. $750,000.

Bids Desired

HANGAR — **Miami, Fla.** — Nov. 19, by City, c/o Aviation Dpt., hangar at municipal air field. Noted Nov. 8.

Contracts Awarded

AIRPLANE HANGAR, SCHOOL, etc.—**Anglum, Mo.** — Robertson Aircraft Corp., F. H. Robertson pres., 100 x 120 ft., brick walls, steel truss airplane hangar, 30 x 70 x 120 ft. flying school, incl. office, Lambert, St. Louis Flying Field, to J. S. Alberici, 1119 Boatmans Bank Bldg., St. Louis.

HANGAR and MACHINE SHOP — **Detroit, Mich.**—Dpt. P. Wks., City Hall, 1 story, brick, steel, plain found., Lynch Rd., to Pine Munnecke Co., 510 Murphy Bldg., $52,025. Noted Sept. 13.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., Donna — J. C. Engleman, Donna, irrigating 8,000 acre site, incl. constructing canals, 2 pumping plants, 2 reservoirs. $80,000. Private plans.

Calif., Ventura—Ventura Co., rock faced levees on Santa Paula Creek, incl. 22,000 cu.yd. embankment, 35,000 sq.ft. rock facing below 8 ft. datum, 51,000 sq.ft. rock facing above 8 ft. datum, 13,000 cu.yd. spoil bank dredging. C. W. Petit, Ventura, co. surv.

Ont., Prescott—Dpt. P. Wks., Parliament Bldgs., Ottawa, K. M. Cameron, ch. engr., soon takes bids harbor development, incl. concrete wharfs, $2,000,000. Plans later grain elevators, railroad sidings. Total $5,000,000.

Bids Desired

Kan., Wellington—See "Bridges."

Tex., Brownsville — Dixie Development Co., c/o A. R. Jones, 900 Land Bank Bldg., Kansas City, Mo., taking bids irrigating 20,000 acres, constructing pumping plant on Rio Grande River, also canal, distribution system in Laguna Vista Dist. $200,000. Private plans. Noted Oct. 18.

Bids Received

Vermont — State Hy. Dpt., Montpelier, grading, concrete, cribbing, guttering, tile underdrain, in Springfield from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $129,648.

Contracts Awarded

Ark., Paragould—Greene Co., excavating 80,000 cu.yd., cleaning 5 mi. ditches in Eight Mile Ditch 2, to Bunnell-Mack, Paragould.

Calif., Brentwood — M. Wallace, secy. Contra Costa Irrigation Dist., 3 in. concrete lining 250,000 sq.ft. Main Lateral 4, to W. Cohrs, Tracy, $27,250.

Calif., Indio — Coachella Valley Storm Water Dist., construction, maintenance of flood channel, to Breedlove Corp., Delta Bldg., Los Angeles, $30,500.

Calif., Niland—Niland Water Dist., canal distribution, drainage works, to Butterfield Constr. Co., Box 157, San Diego, $108,500.

Ont., Parkhill—McGillivray Twp., dredging 122,000 cu.yd. in Aux Sable and Ptsebe Rivers, to Broderick Bros., 30 Main St. S., Welland. Est. $25,000.

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The *Invisible Superintendent* at the Mortar Box

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BRIXMENT

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Streets and Roads

Proposed Work

Mass., Boston—City Council passes loan order for $1,100,000, widening State and Exchange Sts. $800,000 already available. Total $1,900,000. J. H. Sullivan, comr. Dpt. P. Wks.

Mass., Waltham (Ind. br. Boston)—City Council appropriated $50,000, constructing streets.

Mass., Wareham—Town, c/o Fay, Spofford, & Thorndike, engrs., 44 School St., Boston, surveys widening, sewerage system, waterworks, curbing, stone walls, paving Main St. $200,000. Noted Nov. 8 under "Sewers and Waterworks."

N. J., Bergenfield—Bd. Boro Comrs., Boro Hall, New Milford, grading, paving streets in River Edge Manor Sect. $50,000. A. Noack, 256 Main St., Hackensack, boro engr.

N. J., Clifton—Bd. City Council, City Hall, grading, curbing, sidewalks, sheet asphalt on concrete paving Rutherford St. between Lakeview and Curie Aves. $40,000. J. L. Fitzgerald, city engr.

N. J., Clifton—Bd. City Council, City Hall, grading, curbing, sidewalks, bituminous macadam paving West 3rd St. $35,000. J. L. Fitzgerald, city engr.

N. J., Elizabeth — Bd. P. Wks. preliminary plans widening, 3 in. sheet asphalt on 6 in. concrete paving East Jersey St. from Broad St. to Madison Ave. $25,000. T. Collins, city engr.

N. J., Hackensack—Hackensack Impvt. Comn., Municipal Bldg., soon takes new bids paving Kaplan, Parker, Simons and Rowland Aves. Former contract rescinded. F. Campbell, city engr. Noted Oct. 25.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., grading, curbing, sidewalks, 6 in. bituminous macadam paving Prospect Ave. $100,000. F. Campbell, city engr.

N. J., Orange—Bd. City Comrs., City Hall, widening, paving Main St. from Scotland Rd. to Bell St. $25,000. K. P. Crane, city engr.

N. J., Pompton Plains — Twp. Comn., Paul Revere Hall, preliminary plans bituminous macadam paving Pequannock Ave. from Main Highway to Madison Ave. $25,000. Coursen & Edwards, Pompton Plains, twp. engr.

Kan., Burlington—See "Bids Desired."

Mo., St. Louis—See "Sewers."

Texas—State Hy. Dpt., Austin, grading, bridging 8.326 mi. Hy. 20, Denton Co., $40,000, L. C. McCanlies, Denton, resident engr.—5.948 mi. Hy. 37, Cherokee Co., $35,000, G. A. Bracher, Jacksonville, resident engr., both 26 ft. wide.

Tex., Ft. Worth—Tarrant Co., 2½ in. bitumen filled brick on concrete paving 1.125 mi. Federal Aid Project 510-B, and State Aid Project 711-C, 18 ft. $50,000. D. A. Davis, Ft. Worth, engr.

Tex., Fredericksburg—Gillespie Co., grading, bridging 16 mi. Hy. 124, from Llano Co. to Kerr Co. lines. $100,000. Address H. Uesner, Fredericksburg, co. judge.

Tex., Houston—For 2 in. asphalt on 6 in. concrete paving 1¼ mi. MacGregor Way from Scott St. to Calhoun Rd. $130,000. J. C. McVea, city engr.

Tex., Sterling City—Sterling Co., grading 21 mi. Hy. 9, extending north from here, 26 ft. $132,000. T. J. Kelly, Sterling City, engr.

Oklahoma—State Hy. Dept., Oklahoma City, asphalt surfacing 42,000 sq.yd. U. S. Hy. 70, McCurtain Co., $25,000—grading 10 mi. U. S. Hy. 81, 30 ft., Jefferson Co., $25,000. C. R. Mandigo, hy. engr.

Oklahoma — State Hy. Dpt., Oklahoma City, concrete slab paving 5 mi. U. S. Hy. 266, Lincoln Co., 18 ft. $100,000. C. R. Mandigo, Oklahoma City, hy. engr.

Okla., Fairfax—Preliminary plans grading, paving alleys in business district, 20 ft. To exceed $25,000. J. N. Fly, city clk.

Okla., Lawton—Comanche Co., surveys grading 10 mi. Lawton-Faxon Rd., 30 ft. To exceed $25,000. S. Joyner, Lawton, engr.

Okla., Oklahoma City—Surveys grading, concrete paving 10,000 sq.yd. West C Ave., to exceed $25,000—8,500 sq.yd. Dewey, Granger and Laird Sts., to exceed $25,000. W. W. Small, City Hall, engr.

Okla., Shawnee—Grading, paving 9 blocks Dist. 75, 30-36 ft. To exceed $25,000. E. T. Archer & Co., New England Bank Bldg., Kansas City, Mo., engrs.

Okla., Stillwater—Payne Co. graveling 8 mi. road west of city, 18 ft. $25,000. G. Wittenberg, Stillwater, engr.

Colo., Beulah—Bd. Comrs. Pueblo Co. (Pueblo) and State Hy. Dept., Denver, rebuilding Beulah Hill with new bridge over St. Charles Creek. $30,000. W. Peach, Pueblo, co-engr. L. D. Blauvelt, hy. engr.

Colo., Pueblo—Bd. Comrs., Pueblo Co., W. Barber, clk., and State Hy. Dept., Denver, paving 1 mi. South Santa Fe Ave. from Northern Ave. to Santa Fe Trail. $40,000. W. Peach. Pueblo, engr. L. D. Blauvelt, Denver, engr. and J. D. Bell, div. engr.

California—State Hy. Dpt., Sacramento, constructing 13 mi. connecting link Downieville- Yuba Pass Hy., Nevada Co., 20 ft. $400,000. C. H. Purcell, state hy. engr.

Calif., Los Angeles — Los Angeles Co., grading, 9-7-9 in. concrete paving 663,385 sq.ft., and 8 in. concrete paving 17,110 sq.ft. Rosecrans Ave. $250,000 or more.

Calif., Oakland—Grading, vibrolithic concrete paving 139,561 sq.ft. Hopkins St. between Park Blvd. and 14th Ave. G. Randle, city engr.

Calif., Oakland — Grading, vitr. conduit., concrete culverts, 2 in. warrenite bitulithic on 6 in. concrete paving 173,518 sq.ft. Foothill Blvd. between Courtland Ave. and Vicksburg St. G. Randle, city engr.

Calif., San Diego—Common Council, concrete curbing, sidewalks, 6 in. asphaltic concrete paving 389,675 sq.ft. and 6 in. concrete paving 24,280 sq.ft. Meade Ave. H. W. Jorgensen, city engr.

Calif., San Diego — Common Council, curbing, sidewalks, grading, 6 in. asphaltic concrete paving 115,244 sq.ft. Taylor St. and San Diego Ave.—grading, concrete paving 244,384 sq.ft. Orange Ave.—121,676 sq.ft. 65th St. and Klauber Ave. H. W. Jorgensen, city engr.

Calif., San Francisco — Widening, walks, paving Portola Dr. between 24th St. and Fowler Ave. $130,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Ana — Orange Co. grading, surfacing, curbing, walks, lighting system, bituminous macadam paving Impvt. 19, Street of the Green Lantern. To exceed $25,000. N. H. Neff, Santa Ana, co. road comr.

Calif., Santa Ana — Orange Co. grading, paving San Juan-Capistremo-Elsin-Elsinore Hy. $50,000 (for initial work only).

Calif., Ventura—Ventura Co. grading, 5 in. macadam paving, 136,000 sq.ft. Rice Rd. (Contr. 592); grading, concrete paving 2,042 cu.yd. Contr. 591. C. W. Petit, Ventura, co. surv.

Ont., Ayr—Asphalt, concrete, asphaltic concrete or asphaltic macadam paving 20,000 sq.yd. Northumberland St. $60,000. H. Johnston, 63 Frederick St., Kitchener, engr

Ont., Toronto—York Twp., asphalt or bitulithic paving 7,000 sq.yd. Henrietta Ave., 24 ft. $30,125. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto — City Council, concrete curbing, sidewalks, asphalt on concrete paving, widening ½ mi. College St. $1,000,000. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Lowell—See "Contracts Awarded."

New York—Dec. 4, by A. W. Brandt, Hys., Albany, improving highways in Clinton, Orange and Steuben Counties; reconstructing highways in Allegany, Ontario and Westchester Counties; adv. E. N.-R. Nov. 15.

N. Y., Brooklyn—Nov. 21, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, granite block repaving Woodhull St.—asphalt on 6 in. concrete repaving Martense, Troutman, 48th and 64th Sts., Washington and Coney Island Aves.—grading, curbing, flagging Stanley Ave.

N. Y., Long Island City—Nov. 20, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks on Sutphin Blvd. and 75th St.; grading, curbing, sidewalks, sheet asphalt on concrete paving Tompkins Pl., 9th and Filmore Aves., 75th, Neosho (121st), 123rd, and 155th (Phraner Ave.) Sts.

N. Y., New York—Nov. 16, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., clay-loam cinder surfacing, fencing with spiral spring wire walk around upper reservoir in Central Park.

N. Y., West New Brighton (sta. Staten Island)—Nov. 21, by J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, concrete paving incinerator yard.

New Jersey — Nov. 26, by State Hy. Comn., Trenton, grading, 8 in. single line rein.-con. paving 64,190 sq.yd. Route 48 (1927), Sect. 20, Woodstown-Pittsgrove Rd., Salem Co. A. L. Grover, ch. engr.; adv. E. N.-R. Nov. 15.

Florida—Nov. 27, by State Road Dpt., F. A. Hathaway, chn., Tallahassee (**P. means Project**), concrete, asphaltic on 8 in. compacted Florida Lime Rock paving 10 mi. Rd. 1, P. 52, Escambia Co.—8 in. Florida Lime Rock paving 5.46 mi. Rd. 1, F. A. P. 6, Madison Co.—12.23 mi. P. 763, and 7 mi. P. 765, both Rd. 50, Suwannee Co.—grading 34.8 mi. Rd. 25, P. 806-A, C and D, Hendry Co.—hydraulic embankment for approaches to Turkey Creek Bridge, Rd. 4, F. A. P. 40-B, Broward Co.—drainage structures on Rd. 5, P. 772, Charlotte Co.—Rd. 24, F. A. P. 62-B, Osceola Co.—Rd. 4, P. 653-B, Broward Co.—Rd. 4, P. 654-B, Broward Co.—Rd. 4, P. 683-B, Palm Beach Co. J. L. Cresap, state hy. engr.

Ala., Mobile—Dec. 11, by Bd. City Comrs., alternate types paving Royal, Joachim and St. Emanuel Sts., Michigan and Springhill Aves., also storm sewers in Divisions 1 to 4 (inclusive). W. Smith, city engr.; adv. E. N.-R. Nov. 15.

Ohio—Nov. 16, by H. J. Kirk, dir. Hys., Columbus, brick, concrete, sheet asphalt or bituminous macadam paving 14.997 mi. roads in Columbiana, Cuyahoga, Delaware and Sandusky Counties, $681,324; two 40 ft. span concrete beam bridge, Sect. "D" Georgetown-Wilmington Rd., Clinton Co., $21,589.

O., Akron—F. E. Swineford, dir. P. Serv., bids about Jan. 1, granite and stone curbing, vitr. brick on 6 in. concrete paving 5,300 sq.yd. Chittenden St. $35,800. E. A. Kemmler, Municipal Bldg., engr.

Indiana—Nov. 27, by J. D. Williams, dir. State Hy. Dpt., Indianapolis, constructing 6.868 mi. Sect. K, Rds. 45 and 56, and 6.193 mi. Rd. 45, Dubois Co.—7.935 mi. Rd. 24, Sect. A, F. A. 133, Wabash Co.—7.918 mi. Rd. 24, Sect. B, F. A. 133, Wabash and Huntington Counties—10.065 mi. Rd. 29, Sect. A, F. A. 146, Shelby and Decatur Counties—9.691 mi. Rd. 29, Sect. B, F. A. 146, Decatur Co.—11.028 mi. Rd. 53, F. A. 157, Jasper Co.—5.133 mi. Rd. 49, Porter Co.

Ind., Indianapolis—Nov. 26, by Comrs. Marion Co., graveling 5,312 ft. highway in Washington Twp. $27,059. H. Dunn, Indianapolis, aud.

Kan., Burlington—Nov. 28, by E. Jones, clk. Coffey Co., gravel or chats surfacing 7 mi. Kansas Project 720, U. S. Road 50-S, also furnishing material for same. Soon takes bids grading 5 mi. Kansas Project 643, Road K-31, 30 ft. F. Wagner, Court House, engr.

Kan., Ottawa—Dec. 3, by Clerk Franklin Co., grading, culverts 4.601 mi. K. 33, Project 726, 30 ft. E. F. Loveless, Ottawa, co. engr.

Kan., Westmoreland — Dec. 7, by Clerk Pottawatomie Co., grading, and 3 bridges on 3.71 mi. Federal Aid Project 203-B, U. S. Road 40 30 ft.—1.553 mi. also 3 bridges, 140 ft. guard fence, Federal Aid Project 203-A—curbing, guttering, concrete paving 0.908 mi. Federal Aid Project 355-G, 18 ft. L. F. Whearty, Court House, engr.

Texas—Nov. 20, by G. Gilchrist, state hy. engr., Austin, grading 16.959 mi. Goliad Co., $55,800, H. C. Porter, Goliad, resident engr.; 6.794 mi. Bell Co., $27,000, A. W. Ashworth, Belton, resident engr., both 26 ft. wide.

Texas—Nov. 20, by G. Gilchrist, state hy. engr., Austin, bituminous macadam on gravel paving 7.819 mi. hy. in Nolan Co., 18 ft., $73,800, S. C. Dougherty, Sweetwater, resident engr.—grading, curbing, bituminous filled brick on concrete paving 1 mi. Tarrant Co., 28 ft., $108,000, D. A. Davis, Ft. Worth, co. engr.—grading 5.092 mi. Mitchell Co., 26 ft., $36,000, W. J. Van London, Colorado, engr.—grading, gravel or broken stone surfacing 20.005 mi. El Paso Co., 26 ft. $160,000, F. E. Wilson, El Paso, co. engr.

Colorado—Nov. 19, by State Hy. Dpt., Denver, gravel surfacing 2.934 mi. Federal Aid Project 144-C, Larimer Co. L. D. Blauvelt, Denver, state engr.

Montana—Nov. 23, by State Hy. Comn., Helena. (**F.A.P. means Federal Aid Project**), crushed graveling 9.84 mi. F.A.P. 135-B, Unit 3, Rosebud and Custer Counties—10.459 mi. F.A.P. 211-A, Unit 3, Cascade Co.—9.381 mi. F.A.P. 229-C, Unit 3, Fergus Co.—steel bridges on F.A.P. 238-B, Unit 2, Lewis and Clark Co. R. D. Rader, state hy. engr.

California—Nov. 28, by State Hy. Comn., Sacramento, grading, gravel surfacing 0.9 mi. San Luis Obispo Co.—grading, gravel surfacing 0.9 mi. San Luis Obispo Co.—grading, bituminous macadam paving 0.6 mi. Marin Co.—grading 8.5 mi. Los Angeles Co. C. H. Purcell, P. Wks. Bldg., Sacramento, engr.

Contracts Awarded

Vermont — State Hy. Dpt., Montpelier, bituminous macadam paving 3.56 mi. hy. in Bennington Co., to D. S. McGrath, Adams, Mass., $131,480; bridge in Windsor Co., to C. I. Hosmer, Greenfield, Mass., $50,403.

Mass., Lowell—Dpt. P. Wks., H. P. Doherty, supt. streets, City Hall, grading, gravel surfacing 7,500 ft. Pawtucket Blvd., day labor. Noted July 5.

Mass., Provincetown — Bituminous macadam repaving Commercial St., to Simpson

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Streets and Roads (Continued)

Bros. Corp., 77 Summer St., Boston. Est. $25,000.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to M. J. O'Hara, 1228 Park Ave., New York, sheet asphalt paving Applegate Court $2,707; East 3rd St. $16,926—to B. Turecamo, New Cropsey Ave., Bay 32nd St. $4,700; East 15th St. $6,032; 83rd St. $5,087—to Brooklyn Alcatraz Asphalt Paving Co., 407 Hamilton Ave., Colonial Rd. $3,846; East 92nd St. $10,239; Lefferts Ave. $9,833; Lenox Rd. $11,669; Avenue M $2,600; Schenectady Ave. $9,712—to D. J. McCoy Asphalt Co., Avenue U and East 57th St., Riverdale Ave. $2,597; 80th St. $1,845—to Meehan Paving Co., Laurel Hill Blvd., Stockholm St. $4,925—to Brocco Contg. Co., grading Stanley Ave., $16,008—to Hercules Foundation & Constr. Corp., Kings Pl., $2,062. Grand total $110,788. Noted Oct. 18.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Cleveland Trinidad Paving Co., Flushing, sheet asphalt on concrete paving 108th St. $19,925; 65th St., $13,100; 64th St. $17,678—to Meehan Paving & Constr. Co., Laurel Hill Blvd., Woodbine Ave., $9,060; 65th St. $8,654—to Welsh Bros. Contg. Co., 27 Purvis St., grading 32nd St. $3,544. Grand total $71,961. Noted Oct. 18.

Pennsylvania—State Hy. Comn., Harrisburg, grading 16,807 ft. Potter Co., to David Schoentag, Inc., Saugerties, N. Y., $58,957—41,470 ft. Fulton Co., to F. D. Kessler, Northumberland, $211,207—bituminous treated macadam paving 10,450 ft. Indiana Co., to Frank Lee James, Johnston, $87,157—13,400 sq.yd. Pike Co., to Burgess Bros. & Henry, Fort Union, Va., $65,787—concrete paving 42,100 sq.yd. York Co., to Sherman & Rhodes, Millersburg, $199,946—13,750 sq.yd. Forest Co., to H. N. McNutt, Clarion, $65,882—13,900 sq.yd. Carbon Co., to Graham & Harnish, Rothsville, $71,661—rein.-con. paving 7,643 sq.yd. Blair Co., to L. R. Mathieu, Altoona, $39,036—6,000 sq.yd. Erie Co., to F. E. Winter, Erie, $33,928—41,900 sq.yd. Washington Co., to Coss & Otto, Wheeling, W. Va., $246,086—11,799 sq.yd. Westmoreland Co., to A. Eidemiller, New Alexandria, $62,535—25,705 sq.yd. Washington Co., to Allison & Harris Constr. Co., East Liverpool, O., $132,853—10,882 sq.yd. Bradford Co., to R. D. Richardson Constr. Co., Scranton, $46,794. Grand total $1,321,829. Noted Nov. 1.

Pennsylvania—State Hy. Comn., Harrisburg, grading 67,000 cu.yd. Indiana Co., to Millarr & Bullock, Youngstown, O. $103,996—concrete paving 5,500 sq.yd. Susquehanna Co., to R. T. Paine, Lebanon $109,022—49,200 sq.yd. Somerset Co. and 49,300 sq.yd. Indiana Co., to James & Nicholson Co., Johnstown $252,793 and $292,300 respectively—22,900 sq.yd. Bradford Co., to Smouse & Kreamer, Galeton $95,357. Grand total $853,468. Noted Nov. 1.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Duffin Bros., Penn and Womrath Sts., grading Aramingo St. $989—to J. F. Feeney, 106 Kalos St., Brous St. $4,410; Shelmire St. $3,587—to Marino Masse, 3936 North Reese St., Foust St. $1,284. Pleasant St. $5,451—to R. B. Wenner, 2819 West Gordon St., Lawndale St. $646—to M. Leewright, 424 Seville St., Nixon St. $2,445—to S. C. Rotzell, Limekiln Pike and Haines St., Olney St. $4,863—to T. L. Flanigan, 531 East Girard St., Solly St. $1,887—to Mazzola & Marano, 739 South 7th St., improving Eastwick (country) Rd. $3,480—to Union Paving Co., 123 South 21st St., Island Rd. $27,777; asphalt repaving Jefferson St. $38,823; 11th St. $16,485; 36th St. and Rice St. intersection $999—to Fish-Rutherford, Inc., 4058 Chestnut St., improving Passyunk (country) Rd. $30,394—to F. A. Caruso & Son, 804 South 12th St., Shelmire Rd. $2,925—to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving Florence St. $42,747; 9th St. $11,017—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Glenwood St. $22,575—to Barber Asphalt Co., Hunting Park Ave. at E St., 23rd St. $20,408—to Eastern Asphalt Co., Penna Bldg., redressed granite block repaving track area Arrott St. $32,392; 32nd St. $8,350—to Elkins Paving & Constr. Co., 834 North Holly St., 3rd St. $44,388; 9th St. $38,328. Grand total $366,650. Noted Oct. 25.

Maryland — State Roads Comn., Baltimore, graveling 1.5 mi. Contr. P-90, Prince George Co., to Jarboe & Haughton, Mechanicsville, $6,640. Noted Oct. 25.

Florida—State Roads Dpt., F. A. Hathaway, chn., Tallahassee, (**P. means Project**), to W. J. Bryson Paving Co., Jacksonville, grading P. 751 $48,854; P. 752 $57,307; P. 788 $149,340; P. 735 $118,493; P. 733 $43,066; P. 842 $69,629—to Penton Mathis Constr. Co., Paxton, P. 734 $63,256, all foregoing in Walton Co.—to R. J. Carroll, Lamont, P. 738, $63,172—to Curry & Turner Constr. Co., Bradenton, P. 820, $61,701—to Bishop Constr. Co., Monticello, P. 821, $26,690, all foregoing in Jefferson Co.—to J. B. McCrary Eng. Corp., Citizens & Savings Bank Bldg., Atlanta, Ga., concrete paving P. 672, Leon Co., $189,674—to R. G. Lassiter & Co., Jacksonville, P. 673, Gadsden Co., $265,917. Grand total $1,157,099. Noted Oct. 11.

Kentucky — State Hy. Dpt., Frankfort, grading 2.586 mi. Carter Co., to Barton & Tye, Fullerton, $39,314—2.761 mi. Meade Co., to J. B. Westerfield, $18,287—10.192 mi. Robertson Co., to H. S. Tye & Son, Eminence, $76,876—5.453 mi. Meade Co., and traffic bound macadam surfacing 8.369 mi. Clay Co., to Mason Constr. Co., West Point, $27,594 and $43,053 respectively—7.489 mi. Fleming Co., to W. O. Billiter Co., Covington, $85,906—7.133 mi. Warren Co., to McClellan & Campbell, Bowling Green, $25,323—2.088 mi. Magoffin Co., to Wilmore Constr. Co., Wilmore, $15,722—bank gravel surfacing 5.462 mi. Graves Co. and 7.294 mi. McCracken Co., to N. E. Stone & Co., Madisonville, $14,347 and $34,014 respectively—7.477 mi. Webster Co., to Corum Bros., Madisonville, $62,577. Grand total $443,013. Noted Oct. 4.

O., Cincinnati — Hamilton Co., grading, concrete repaving 9,600 sq.yd. Miami Rd., to Wilmore Paving Co., Middletown, $52,716. Est. $63,247. Noted Oct. 18.

O., Cleveland—Cuyahoga Co., stone curbing, vitr. brick paving 48,140 sq.yd. Granger Rd., and 6,810 sq.yd. Emery Rd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $266,048 and $51,604 respectively; 19,250 sq.yd. Green Rd. 5. to Highway Constr. Co., Guarantee Title Bldg., $126,496. Noted Nov. 8.

O., Garfield Heights (br. Cleveland)—Bituminous concrete paving Bohning Dr. and East 112th St., also brick paving Lincoln Ave., to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $17,119 and $8,395 respectively. Noted Oct. 18.

Michigan—State Hy. Dpt., Lansing, concrete paving 13.5 mi. MO34-33, C-1, 20 ft., Ionia Co., to State Constr. Div., Lansing, C. M. Zeigler, supt. $405,000.

Michigan—State Hy. Dpt., Lansing, sheet asphalt paving 6.869 mi. MO28-20, C-2, 20 ft., Grand Traverse Co., to Wolverine Asphalt Paving Co., Grand Rapids, $112,960. Furnishing gravel separate contract $38,050.

Michigan—State Hy. Dpt., Lansing, concrete paving 0.299 mi. FO63-21, C-3, 40 ft., Oakland Co., to C. A. Handeyside, Detroit, $27,052 incl. cement.

Mich., Detroit — Stone curbing, 3½ in. sheet asphalt on 8 in. concrete paving 8,800 sq.yd. Manor Ave. and 8,550 sq.yd. Appoline Ave., to Cooke Asphalt Paving Co., Penobscot Bldg., $32,273. Noted Aug. 30.

Mich., Fordson—Concrete paving 8,000 sq.yd. approaches to Eagle Avenue Underpass Grade Separation, to F. Porath, 305 Transportation Bldg., Detroit, $25,000.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving in De Kalb Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $5,181—Hancock and Kankakee Counties, to Cameron Joyce, Keokuk, Ia., $6,848 and $71,370 respectively—Fulton Co., to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., $11,172—Cook Co., to W. A. Black Co., 165 West Wacker Dr., Chicago, $216,113—Henry Co., to H. A. Reschke Constr. Co., Geneseo, $2,433—Iroquois Co., to J. Kesl & Sons, Edwardsville, $234,800—Cook Co., to Universal Paving Co., Oak Park, $42,749—St. Clair Co., to Mautz & Oren, Inc., Effingham, $180,939—Boone Co., to Lampert Constr. Co., Oshkosh, Wis., $8,877—Moultrie, Macon, Will and Grundy Counties, to Indiana Road Paving Co., Rochester, Ind., $287,543 — Grundy and Franklin Counties, to Hamilton Hoffman Constr. Co., Carbondale, $175,569—grading Cook Co., to A. Ward & Sons, Inc., Oak Glen, $55,969—Cook Co., to J. Mackler & Co., 1530 Halsted St., Chicago Heights, $133,842. Grand total $1,433,405. May 30, June 7, Sept. 20.

Ill., Belleville — St. Clair Co., grading, concrete paving 12 mi. Mascoutah-Lebanan Rd., to Mautz & Oren Constr. Co., Effingham.

Ill., Chicago — Bd. Local Impvts., City Hall, grading, 7 in. concrete paving 1 alley, to Paramount Constr. Co., 82 West Washington St.—grading, curbing, guttering, sewers, asphalt on 6 in. concrete paving West 79th and 80th Places, West 80th and 81st Sts., Constance, Saginaw, South Talman, Washtenaw, Fairfield, California, Mozart, Francisco and Sacramento Aves., to American Asphalt Paving Co., 133 West Washington St.—South Hamilton Ave., to R. F. Conway Co., 844 Rush St.—Goodman St., Leamington, North Mason and North Marmora Aves., to Barber Paving Co., 7 South Dearborn St.—grading, curbing, guttering, sewers, 8 in. concrete paving Princeton and Yale Aves., West 80th and 81st Sts., to Farr Bros., 356 West 111th St. Noted Oct. 11.

Wisconsin—State Hy. Comn., Madison, grading 3.1462 mi. Sauk Co., to Nelson, Mullen & Nelson, 355 Gateway Bank Bldg., Minneapolis, Minn., $37,252.

Iowa—State Hy. Comn., Ames, to S. J. Groves & Sons Co., Inc., 306 Globe Bldg., Minneapolis, Minn., grading Clayton Co., $143,905; Jackson Co. $76,321—to E. V. Martin, Ames, Crawford Co. $88,697; Page Co. $56,733—to Griffis Bros., West Union, Allamakee Co., $51,408—to Larson Constr. Co., Des Moines, paving Keokuk Co., $193,206—to C. F. Lytle Constr. Co., 504 Nebraska St., Sioux City, Project 605, $37,227; Project 479, $202,269; Federal Aid Project 15 A and B, $189,760; all Mills Co.—to E. W. Hallett, Crosby, Minn., F. A. 98-B, $195,267; Project 308, $175,375; both Winneshiek Co.—to M. Baker, Maquoketa, graveling Jones Co., $8,985—to Lynch & Co., Castana, Monona Co., $25,079—Muscatine Co., $21,375. Grand total $1,465,697. Noted Oct. 25.

Kan., Ft. Scott—Bourbon Co. grading, culverts 6.429 mi. Federal Aid Project 39-10-K-712-9, to Nevada Constr. Co., Nevada, Mo., $36,339. Noted Oct. 18.

Kan., Olathe—Johnson Co., concrete paving 0.3 mi. Project 10-14-K692, and 0.642 mi. Project 10-14-F. A. 315-F, to Geiger & Rutherford, Leavenworth, $6,357 and $23,186 respectively.

Kan., Olathe—Johnson Co., grading, concrete paving 5,825 ft. Tomahawk Rd., 18 ft., to Musselman & Hall, 239 Railway Exch. Bldg., Kansas City, Mo., $33,043.

Kan., Paola—Miami Co. grading, culverts 15.894 mi. Project 73-E-18, Federal Aid Project 213-B, C and D, to H. C. Botsford, Piper, $104,600—11.943 mi. Project 7-19-Federal Aid Project 293-D, E and G, to J. J. Thompson, Omaha, Neb., $73,668. Noted Oct. 4.

North Dakota—State Hy. Comn., Bismarck, grading 4.955 mi. Cass Co., to W. H. Noel Co., Jamestown, $10,379—15.001 mi. Renville and Ward Counties, to Steven Bros., 612 Endicott Bldg., St. Paul, Minn., $56,924—bridges in Cavalier Co., to T. M. Swingen, Cooperstown $6,236. Grand total $73,539.

Missouri — State Hy. Comn., Jefferson City, (**P. means Project**), to M. E. Gillioz, Monett, grading, bridging 4.899 mi. P. 307-B $39,960; 5 mi. P. 307-C $68,234; grading, culverts on 3.996 mi. P. 307-A $36,514; 4.857 mi. P. 307-D $50,167, all Dallas Co. Grand total $194,875.

Mo., Clayton—St. Louis Co., 4 in. macadam paving Milburn Ave., to J. Dillon, 2902 Indiana Ave., St. Louis, $7,140; Ambs Rd., to Industrial Track Constr. Co., Title Guaranty Bldg., St. Louis, $7,888.

Mo., Clayton—St. Louis Co., grading 4,200 cu.yd. Oak St., to J. L. Peterson, c/o County Clerk, $1,776—concrete paving 17,000 sq.yd. West Florissant Ave., to Nolan & Kraus, 4525 Chouteau Ave., St. Louis, $51,853—5,600 sq.yd. Big Bend Blvd., to Moore Bros. Constr. Co., 2000 St. Clair Ave., East St. Louis, Ill., $14,262—4 in. macadam paving 5,800 ft. Woods Mill and Fee Rds., to Industrial Track Constr. Co., Title Guaranty Bldg., St. Louis, $12,580 and $10,420 respectively—7 in. rein.-con. paving 10,965 sq.yd. Seibert Ave., to A. Fleschner, 7055 Winona Ave., St. Louis, $43,931. Grand total $134,822. Noted Sept. 20 and Nov. 1.

Mo., St. Joseph — Paving alley west of Prospect St. also paving Highly St., to Sayles Constr. Co., 1814 Highly St., $1,173 and $14,454 respectively—Clayton Rd. and 15th St., to P. P. Young, 4209 St. Joseph Ave., $8,752 and $3,801 respectively — Barbara St. and alley between Penn and Seneca Sts., to Bridgeford Constr. Co., St. Joseph, $5,320 and $2,060 respectively. Grand total $35,560. Noted Sept. 20.

Ark., Magnolia—Comrs. Paving Dist. 2, R. C. Green, secy., grading, rein.-con. paving 11,200 sq.yd., to McGuire & Cavender, Clinic Bldg., Texarkana, $26,680. Noted Oct. 25.

Ark., Prescott—Grading, curbing, 6 in. rein.-con. paving 14,000 sq.yd. Impvt. Dist. 6, to O. Yenglin, Texarkana, $41,010. Noted June 7.

Tex., Dallas—Dallas Co., paving Barnes Rd., to B. G. Ferguson, 10102 South Lamar St., Dallas, $32,000—West Jefferson Ave. extension Rd. to American Asphalt Co., Allen Bldg., Dallas, $53,465. Noted Oct. 11.

Tex., Raymondville — Willacy Co., Rd. Dist. 3, c/o A. B. Crane, judge, grading 3.5 mi. hy., to J. B. Evans, San Benito, $3,398; concrete paving above road, to F. P. McElwrath & Son, Corsicana, $81,091. Noted Oct. 4.

Okla., Oklahoma City—Grading, paving 12 blocks West 20th St., 30 ft., to Western Paving Co., Petroleum Bldg., $58,837. Est. $61,000.

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Streets and Roads (Continued)

Okla., Oklahoma City—Grading, 7 in. concrete paving 12,000 sq.yd. Robinson, Reno and Oak Sts., to M. A. Swatek & Co., 519½ West Main St., $72,358. Est. $74,000.

Okla., Oklahoma City — Oklahoma Co., grading, paving 6 mi. East C Avenue Rd., 30 ft., to Maney & Alley, Empire Bldg., $21,680 est. $25,000—grading 6 mi. Spencer Rd., 30 ft., to R. Fisher, Norman, $19,658 est. $25,000.

Utah—State Hy. Comn., Salt Lake City, grading 3.143 mi. Duchesne Co., to A. G. Young & Co., Richfield, $31,027.

California—State Hy. Dpt., Sacramento, concrete and bituminous macadam paving 11.5 mi. Los Angeles and Ventura Counties, to Sander Pearson, Santa Monica, $354,454; grading, bituminous macadam paving 0.7 mi. Los Angeles Co., to G. Mitchell Co., Huntington Park, $42,878. Noted Nov. 8.

Calif., Los Angeles — Grading, sewers, concrete paving Vineland Ave. and Blix St. Impvt. Dist., to Griffith Co., Railway Bldg., $108,325.

Calif., Los Angeles—Grading, curbing, walks, 8 in. concrete paving Fairfax Ave., to Mittry Bros., Detwiler Bldg., $157,070.

Calif., Los Angeles—Los Angeles Co., improving Lower Azusa Rd., to Black & Hagey, 832 West Valley Blvd., Alhambra, $27,768.

Calif., Los Angeles — Los Angeles Co., grading, concrete paving A and I 213, Prairie Ave., to Dann & Manney, 1120 West 8th St., $45,248. Noted Oct. 11.

Calif., Pacific Grove—Grading, curbing, walks, asphaltic concrete paving Forest Ave., to Clark & Henery, Chancery Bldg., San Francisco, $28,187.

Calif., Sacramento — Grading, 5 in. asphaltic concrete paving 14 blocks Land Park Dr., from Vallejo Way to Land Park, to McGillvray Constr. Co., Folsom Blvd., $26,934.

Calif., Santa Ana—Orange Co., asphaltic concrete paving Ocean Ave., to Griffith Co. Railway Bldg., Los Angeles, $58,685.

Ont., Toronto — Asphalt on concrete paving Sussex Ave., Bathurst and Bishop Sts., to Kilmer & Barber, 10 Adelaide St. E., $15,392—Classic and Glen Morris Aves., to Godson Contg. Co., 203 Richmond St. W., $6,434—Markham St., to Constructing & Paving Co., Confederation Life Bldg., $10,405—Lane 1st north of Geneva Ave., to Mitchell Contg. Co., 28 Moore Ave., $1,519—lanes north of Davenport Rd. and Dundas St., to owner by day labor, $1,607—Cardinal and Leith Places, to T. Shenton, 341 Keele St. $1,572. Grand total $36,929.

Ont., Toronto—York Twp., asphalt paving Riverside Dr. and Branstone Ave., to Warren Bituminous Paving Co., 54 University Ave., $31,920; Gray Ave. and Bernice Crescent, to Godson Contg. Co., 203 Richmond St. W., $20,157.

Ont., Toronto — York Twp., asphalt on concrete paving Arlington and Blackthorne Aves., to Kilmer & Barber, 10 Adelaide St. E., $52,006 — Caledonia Rd., to Warren Bituminous Paving Co., 54 University Ave., $25,338—Jane St., to Constr. & Paving Co., Confederation Life Bldg., $37,462—concrete sidewalks on Nickel and Lapp Aves., to Godson Contg. Co., 203 Richmond St. W., $23,150—Northcliffe Blvd., to J. Simpson, 227 Wychwood Ave., $865—Scarlet Rd. and Keywest Ave., to owners by day labor, $1,149. Grand total $139,970.

Ont., Walkerville—Concrete paving 25,000 sq.yd. Droullaird Rd., to Chick Contg. Co., McDougall Ave., Windsor, $78,844. Est. $80,000.

B. C., Point Grey—For 6 in. concrete paving, to Dawson Wade & Co., 500 Beatty St., $6,448; to Armstrong, Morrisson Paving Co., 543 Granville St., $6,261; to Hodgson, King & Marble, 626 Pender St. W., $12,038; warrenite on rock paving, to Columbia Bitulithic Ltd., 500 Beatty St., $6,630, all in Vancouver. Grand total $31,377.

B. C., Point Grey—Concrete paving, to Harrison & Lamond Constr. Co. Ltd., 615 Hastings St. W., $15,899—to Armstrong Morrison Paving Co. Ltd., 543 Granville St., $15,345—warrenite paving, to Carter Halls-Aldinger Ltd., 500 Beatty St., $17,095. Grand total $48,339.

Public Bond Elections

Coming Bond Elections

Waterworks—Dayton, Tex., Dec. 10, $50,000.
Waterworks Extension—Winters, Tex., Nov. 20, $72,000.
Waterworks—Holdenville, Okla., Nov. 20, $225,000.
Waterworks — Olympia, Wash., Nov. 19, $225,000.
Waterworks—Azusa, Calif., $130,000.
Water Mains—Los Angeles County, Calif., Dist. 10, $15,000.
Sewage System — Dayton, Tex., Dec. 10, $50,000.
Sewage Disposal Plant — Azusa, Calif., $100,000.
Irrigation, Etc.—La Salle County Water & Irrigation Dist., Tex., $2,000,000.
Paving—Abilene, Tex., Nov. 17, $575,000.
Roads—Donley County, Tex., Nov. 21, $1,000,000.
Roads—Galveston County, Tex., Nov. 30, $700,000.
High School—Blair, Neb., $150,000.
Natural Gas Mains—LaJunta, Colo., Jan. 15, $30,000.

Bonds Voted

Waterworks and Sewers—Carthage, Miss., $65,000. M. L. Culley, Jackson, Engrs.
Filtration Plant—Lafayette, La., $125,000.
Waterworks Expansion — Akron, O., $6,000,000.
Waterworks—St. Clairville, O., $134,000.
Waterworks—Long Island, Kan., $25,000.
Waterworks—Prairie View, Kan., $17,000. Shockley Engr. Co., Kansas City, Mo., Engrs.
Water Supply—Erick, Okla., $100,000.
Waterworks—Hood River, Ore., $250,000.
Waterworks and Sewers—Klamath Falls, Ore., $300,000.
Sewers and Drainage—Gretna, La., $300,000. H. A. Mentz, Hammond, Engr.
Sewers—Many, La., $50,000.
Sewers—Louisville, Ky., $10,000,000. Woosley M. Cayne, Engr.
Sewer — McLean Ave., Cincinnati, O., $250,000.
Sewer Extension and Disposal Plant — Springfield, O., $1,750,000.
Sewer Extension—Erick, Okla., $25,000.
Sewer System—Gotebo, Okla., $45,000.
Sewers—Purcell, Okla., $25,000.
Sewers—Shorewood, Wis., $175,000.
Sewerage System—Galt, Calif., $45,000.
Viaduct—Cincinnati, O., $1,000,000.
Bridge — Seattle, Wash., over Duwamish River, $780,000.
Dike—Hartford, Conn., $400,000. R. N. Clark, Engr.
Harbor Improvements — Baltimore, Md., $10,000,000.
Flood Control—Springfield, O., $150,000.
Incinerators, Two — Chattanooga, Tenn., $125,000.
Incinerator—Portland, Ore., $300,000.
Airport Development — Hartford, Conn., $396,091.
Airport—Chattanooga, Tenn., $250,000.
Airport—Cordell, Okla., $50,000.
Airport Expansion — St. Paul, Minn., $500,000.
Airport—Albany, Ore., $25,000.
Airport—Medford, Ore., $120,000.
Airport — Seattle, Wash., Boeing Field, $400,000.
Street Extension—Hartford, Conn., $225,000. R. N. Clark, Engr.
Street Improvement—Baltimore, Md., $6,000,000.
State Roads—West Virginia, $35,000,000.
Roads—Phillipi, W. Va., $81,500.
Roads — Louisiana. $30,000,000 and 2c. gasoline tax.
Street Improvement—Akron, O., $3,530,000.
Paving and Sewers—Cleveland, O., $2,000,000. R. Hoffman, City Engr.
Roads—Iowa, complete surfacing primary system, assume authorized bonds voted by various counties, total $100,000,000.
Paving, Etc.—St. Paul and Ramsay County, Minn., $6,500,000.
State Hwy. System—Missouri, $75,000,000.
Roads—Jones County, Tex., $750,000.
Paving—Montague County, Tex., $750,000.
Roads—Taylor County, Tex., $750,000.
Street Improvement—Portland, Ore., $4,000,000.
Roads—Roseburg, Ore., $110,000.
Roads—The Dalles, Ore., $50,000.
Town Hall—Harrison, N. J., $375,000.
High School and Athletic Field — Barbour County, Elk Dist., Penn., $310,000.
Schools—York County, Pa., $1,500,000.
Hospital—Ware County, Ga., $225,000.
Schools—Akron, O., $2,000,000.
School—Bridgeport, O., $200,000.
Hospital Building—Cincinnati, O., $300,000.
Hospital Improvements—Cleveland, O., $2,400,000.
Schools—Cleveland Heights, O., $1,000,000.
Schools—Shaker Heights, O., $1,225,000.
Stadium—Cleveland, O., $2,500,000.
County Jail and Criminal Courts — Cuyahoga County, O., $1,650,000.
Hospital—Springfield, O., $1,800,000.
Schools—Springfield, O., $750,000.
Auditorium—St. Paul, Minn., $1,500,000.
Public Safety Bldg., 3 fire stations, Police and Fire Alarm Systems—St. Paul, Minn., $850,000.
Schools—St. Paul, Minn., $1,152,000.
City Hall and Court House—St. Paul and Ramsay County, Minn., $4,000,000.
County Hospital—Seattle, Wash., $2,750,000.
Central Storage and Equipment Yard — Dept. Pub. Wks., St. Paul, Minn., $200,000.
Golf Course Addition — Hartford, Conn., $30,000. R. N. Clark, Engr.
Grade Crossing Elimination — Akron, O., $3,000,000.
Grade Crossing Elimination—Cincinnati, O., $1,000,000.
Light Standards for White Way System—Cleveland, O., $300,000.
Parks and Playgrounds — St. Paul, Minn., $875,000.
Swimming Pool and Bathhouse—Algona, Iowa, $25,000.

Bonds Defeated

Sewer System—Camp Hill, Cumberland Co., Pa., $500,000.
Intercepting Sewer—Purification Plant and Flood Relief-Galesburg, Ill., $1,307,000.
Road Improvement—Lower Swartara Twp, Pa., $30,000.
State Highways—Pennsylvania, $50,000,000.
Roads—Woods County, Okla., $300,000.
State Highways—Colorado, $60,000,000.
Incinerator—Teaneck, N. J., $125,000.
Armories, National Guard — Pennsylvania, $5,000,000.
State College—Pennsylvania, $8,000,000.
State Penal and Welfare Institutions — Pennsylvania, $5,000,000.
Market House — Chattanooga, Tenn., $150,000.
City—County Administration Bldg., Detroit and Wayne County, Mich., $20,000,000.
Parks—Bergen County, N. J., $250,000.
Parks—Teaneck, N. J., $100,000.

Buildings—Industrial

Proposed Work

Mass., Hudson — FACTORY — Corbin-Holmes Shoe Co., Central St., timber addition, Central St. $40,000 or more. Private plans.

Mass., Malden (br. Boston)—SERVICE and REPAIR GARAGE — S. Glick, 200 Eastern Ave., plans by C. F. Springall, 84 Sprague St., 1 story, steel, concrete, plain found., Eastern Ave. $50,000.

Mass., New Bedford—MILL—Hill & Cutter, Acushnet Ave., plans by E. G. Bullard, Times Bldg., 1 story, brick, timber addition, plain found., Acushnet Ave. and Pearl St. $40,000.

Mass., Somerville (br. Boston) — GARAGE—E. M. Cremen, 10 Union Sq., brick service garage to accommodate 125 cars, Central St. Est. exceeds $40,000. Engineer and architect not selected.

R. I., Providence—REPAIR SHOP and TOWER—City, P. Buildings Dpt., City Hall, rejected bids Nov. 3, repair shop and drill tower, Dexter and Whitmarsh Sts. $65,000. May readvertise. Noted Nov. 1.

Conn., Bristol—MACHINE SHOP—New Departure Mfg. Co., 269 North Main St., 1 story, rein.-con. addition to machine Building 26, plain found., Franklin St. Lockwood, Green & Co., 24 Federal St., Boston, Mass., engrs.

Conn., Hartford—FACTORY—M. Swift & Sons, 100 Love Lane, revised plans by Mychreest & Reynolds, 238 Palm St., 2 story, basement, 55 x 200 ft., brick, rein.-con. factory, boiler house and coal pocket, Love Lane. $100,000. Noted May 17.

Conn., New Haven—GARAGE—Southern New England Telephone Co., 357 Chapel St., plans by D. Orr, 856 Chapel St., 1 story, 125 x 210 ft., brick, steel, Liberty and Putnam Sts. $75,000.

N. Y., Brooklyn—BAKERY—Corporation, c/o L. Gottlieb, 10 Avenue O, plans by J. J. Millman, 26 Court St., 1 story, 100 x 100 ft., brick, 86th and Bay 17th Sts. $40,000.

N. Y., Brooklyn—FACTORY—Bushwick Can Co., G. Guller, pres., 86 Butler St., plans by V. A. Lacerenza, 26 Court St., 1 story, brick, Henry and West 9th Sts. $40,000.

N. Y., Brooklyn—FACTORY—C. H. Colvin, Lexington and Patchen Aves., plans by R. H. Segal, 754 5th Ave., New York, altering 3 and 4 story factory, Lexington and Patchen Aves. $50,000.

N. Y., Brooklyn—MILK DEPOT—Ferndale Farms, Inc., I. Kotcher, pres., 1678 Bergen St., plans by E. M. Adelsohn, 26 Court St., 2 story, 100 x 200 ft., brick, Liberty and Snediker Aves. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—P. Gundoff, 427 New York Ave., plans by H. J. Nurick, 44 Court St., altering and constructing additional story, brick, concrete, Empire Blvd. and New York Ave. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Corporation, c/o M. Berman, 590 Utica Ave., plans by M. Rothstein, 186 Joralemon

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Buildings—Industrial (Continued)

St., 1 story, 100 x 164 ft., brick, concrete, Gravesend Ave. and Kings Highway. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Ryan Bros., Inc., plans by Slee & Bryson, 160 Montague St., 2 story, 80 x 120 ft., brick, concrete, 3rd Ave. and 17th St. $75,000.

N. Y., Brooklyn—SERVICE GARAGE—B. Turecano, foot of Denyses Lane, plans by F. Savignano, 6005 14th Ave., 2 story, 40 x 122 ft., brick, concrete, 88th St. and East 4th Ave. $60,000.

N. Y., Elmhurst (Ind. sta. Flushing)—HOSIERY MILLS—Propper Silk Hosiery Mills, 200 Madison Ave., New York, bids after Jan. 1, 2 story, 124 x 202 ft. hosiery mills, Laurel Hill and Baxer Pl. $300,000. A. Ullrick, 371 Fulton St., Brooklyn, archt. Noted Nov. 1.

N. Y., Jackson Heights (sta. Flushing)—SERVICE GARAGE—D. Druss, 3737 Warren St., Elmhurst, plans by H. Dorf, 614 Kosciusko St., Brooklyn, 100 x 180 ft., brick, concrete, 70th St. and 34th Ave. $60,000.

N. Y., Laurel Hills (mail Flushing)—PLANT—Nichols Copper Co. 58 x 278 ft. plant, Hobson and Halle Aves. $150,000. Private plans.

N. Y., Long Island City—CANDY FACTORY—Loft, Inc., Vernon Ave., plans by W. Higginson, 101 Park Ave., New York, 3 story, 50 x 95 ft., brick, Hamilton St. and Freeman Ave. $75,000.

N. Y., Long Island City—FACTORY—DeNobile Cigar Co., 512 Hamilton St., Astoria, plans by A. H. Eccles, 76 Hoyt St., Astoria, 4 story, 74 x 84 ft., brick, Hancock St. and Pierce Ave. $40,000.

N. Y., Long Island City—GARAGE and SERVICE STATION — M. J. Rosenthal, 1779 Pitkin Ave., plans by Kavy & Kavovitt, 350 Stone Ave., Brooklyn, 1½ story, 100 x 180 ft., brick, concrete, 47th Ave. and 38th St. $50,000.

N. Y., Long Island City — SERVICE GARAGE — Garford Motor Trucking Co., 13th Ave. and William St., plans by F. S. Parker, 119 West 57th St., New York, 2 story, 100 x 217 ft., rein.-con., 13th Ave. and William St. $50,000.

N. Y., New York—GARAGE and REPAIR—Dept. Plant & Structures, Municipal Bldg., 2 story, 109 x 150 ft., brick, concrete, West Farms and 174th St. $120,000. Private plans.

N. Y., New York—GAS STATION and GARAGE—Wandsworth Corp., S. Pearce, pres., 2804 3rd Ave., plans by M. Klein, 65 Court St., Brooklyn, 6 story, 110 x 200 ft., gas station and garage, Mott Ave. and 156th St. $600,000.

N. Y., New York—SERVICE GARAGE—F D M Inc., F. DeMarco, pres., 1212 University Ave., plans by W. Shary, 41 Union Sq., 1 story, 100 x 103 ft., brick, concrete, River Ave. and 157th St. $60,000.

N. Y., New York—SERVICE GARAGE—M. Horowitz, 703 West 171st St., and S. Glass, 2506 Grand Concourse, plans by M. J. Ort, 424 East 149th St., 2 story, 100 x 141 ft., brick, concrete, Jerome and Mt. Eden Aves. $40,000.

N. Y., New York—SERVICE GARAGE—Waring Plains Corp., C. Klapon, pres., 505 East Tremont Ave., plans by C. S. Clark, 441 East Tremont Ave., 1 story, 95 x 200 ft., brick, concrete, Buhr and Appleton Aves. $40,000.

N. Y., New York—SERVICE GARAGE—West Farms & Boone Avenue Corp., 1391 Nelson Ave., R. Gruthman, pres., plans by L. Stillman, 1993 Stillman Ave., 3 story, basement, brick, concrete, Boone Ave. and 176th St. $75,000.

N. J., Elizabeth—FACTORY—Owner, c/o J. Anderson, archt., 251 North Broad St., sketches 2 story, basement, 60 x 150 ft., brick, steel, plain found., Loomis St. and 3rd Ave. $40,000.

Ind., Evansville — FACTORY — Graham Bros., Stringtown Rd., soon lets contract rein.-con., brick, steel, 130,000 sq.ft. floor space, $250,000. Thole & Legeman, 307 American Trust Bldg., archts.

N. J., Jersey City — DISTRIBUTING PLANT and WAREHOUSE — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, rejected bids 2 story, basement, 125 x 195 ft., brick, steel, plain found., 107-15 New York Ave. $250,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archts. Noted July 7.

N. J., Jersey City — ELECTRIC SUBSTATION — Pub. Serv. Electric & Gas Co., 80 Park Pl., Newark, rejected bids 2 story, basement, brick, steel, 94½-109 Morgan St. $55,000. Pub. Serv. Production Co., 80 Park Pl., Newark, archts. Noted June 14.

N. J., Kearny (sta. Arlington)—FACTORY and STORAGE — Western Electric Co., 195 Bway., New York, 6 story, brick. To exceed $150,000.

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N. J., Nutley (br. Newark) — PHARMACEUTICAL FACTORY — Hoffman La Roche Co., 19 Cliff New York, factory, Kingsland Rd. $40,000.

Md., Baltimore — FACTORY — Western Electric Co., 195 Bway., New York, E. S. Bloom, pres. (subsidiary American Telephone & Telegraph Co., 195 Bway., New York) telephone cable and wire factory facing water front from Baltimore harbor to Colgate Creek. Total est. about $15,000,000.

N. C., Charlotte — RAYON PLANT — Rayon Co. of America, Wilmington, Del., D. B. Hilliard, pres., rayon plant. $3,000,000.

O., Canton—MANTLE TILE FACTORY—Stark Interior Marble Tile Co., H. Schmidt, pres., 122 Court Ave. S.W., 2 story, basement, brick, Cleveland Ave. N.W. $50,000.

O., Cleveland — FACTORY — Continental Lithographing Co., c/o A. Moellman, pres., 952 East 72nd St., plans by Wright & Hohl, 4614 Prospect Ave., 2 story, concrete, brick, steel, 952 East 72nd St. $75,000.

O., Cleveland—FACTORY—C. B. Dawson, 3106 East 63rd St., 1 story, 56 x 92 ft., brick, steel addition, 3106 East 63rd St. $40,000. Private plans.

O., Willoughby—ICE PLANT—City Ice & Fuel Co., c/o C. C. Coneby, 6611 Euclid Ave., Cleveland, 1 story, 100 x 100 ft., concrete, brick, steel. $100,000. Private plans.

Mich., Detroit—BEARINGS FACTORY—Federal Mogul Corp., 11031 Shoemaker Ave., plans by Pollmar & Ropes, 704 Hoffman Bldg., 1 story, 120 x 180 ft., brick, steel, plain found., Shoemaker Ave. $50,000.

Wis., Milwaukee—CANDY FACTORY—Thoringer & J. Bruecker, archts., 774 3rd St., soon lets contract 5 story, 50 x 140 ft., rein.-con., brick, steel, plain found., Pittsburg Ave., for Sperry Candy Co., 140 Reed St. Noted Oct. 25.

Kan., Kansas City—FREIGHT DEPOT—Universal Car Loading & Distributing Co., 1504 Wyoming St., 1 story, 75 x 250 ft., rein.-con., brick, steel, incl. traveling crane. $100,000. Private plans.

Mo., Carthage—PLANING MILL—Morrow-Kidder Mfg. Co., sketches brick, concrete mill. $75,000.

Tex., Abilene—POWER PLANT, etc.—West Texas Utilities Co., Abilene, 60,000 hp. power plant in 3 units, dam to impound 2,500 ft. (acre) of water annually, on Lytle Creek near here. $5,000,000. Private plans.

Tex., Dallas — NEWSPAPER PLANT — Times-Herald, 1305 Elm St., plans by Lang & Witchell, Amer. Exch. Bank Bldg., 3 story, basement plant. $300,000.

Tex., Raymondville—ICE PLANT—G. R. Lochrie, Raymondville, 1 story, 40 ton capacity, ice plant, brick, concrete. $50,000. Private plans.

Tex., Skidmore—ICE STORAGE—Pacific Fruit Express Co., c/o H. T. White, asst. genl. mgr. and engr., Southern Pacific Bldg., 65 Market St., San Francisco, Calif., soon lets contract 100 ton capacity ice storage building, concrete, timber, 5 car length, timber unloading platform, incline, crossover, double retarding conveyor, removing, relocating present machinery. Private plans.

Okla., Oklahoma City—PLANT—V. V. Campbell & Co., Reno St., extract manufacturing plant, 27th and Santa Fe Sts. $65,000. Private plans.

Colo., Colorado Springs — AIRPLANE FACTORY—Imblum Aeronautical Co., 410 West 4th St., Pueblo, and Colorado Springs Chamber of Commerce, E. E. Jackson, secy., sketches plant near Alexander airport. $250,000.

Wash., Seattle — PLANT — Boeing Airplane Co., 330 West Front St., factory addition, repair shop, hangars, landing field. $4,000,000.

Wash., Woodland—POWER PLANT, etc.—Northwest Electric Co., L. T. Merwin, vice pres. and genl. mgr., Pittock Bldg., Portland, Ore., power plant, dam, 230 ft. high to develop 60,000 hp., on Cowlitz River, 12 mi. east of here. $5,000,000.

California — CANNERY — S. J. Lubin, pres. Sacramento Region Citizens Council, Sacramento, representing owner, cannery in Sacramento or San Francisco. $5,000,000. Engineer and architect not selected.

Calif., Los Angeles—CAN FACTORY—Continental Can Co., 303 San Fernando Rd., plans by Francisco & Jacobus, Pershing Square Bldg., 2 story, 300 x 600 ft., rein.-con., Union Pacific Tract.

Calif., San Francisco — AUTOMOBILE LAUNDRY — Corporation (now being organized), plans by G. L. Rosebrook, 1404 Franklin St., Oakland, group 1 story, steel, brick, incl. automobile laundry, free market, administration and tower buildings, Market St. and Van Ness Ave. $200,000. Noted July 26.

Calif., San Francisco—FACTORY—Challenge Creamery & Butter Assn., 807 Montgomery St., factory. To exceed $40,000.

Calif., South Gate—FACTORY—K. & M. Pottery Co., 2318 East 52nd St., Los Angeles, factory. To exceed $40,000.

Que., Montreal—PLANT—Canadian Carbonate, Ltd., R. C. Holbrooke, mgr, carbonic acid gas plant, Colbourne St. $150,000.

Ont., Leaside—STONE PLANT—Nicholson & Curtis Cut Stone Co., 1117 Yonge St., Toronto, brick, steel plant, plain found. $150,000. Engineer and architect not selected.

Sask., Regina — GAS PLANT — Drake-Jones Co., 210 1st Natl. Soo Line Bldg., Minneapolis, Minn., seeking franchise for gas plant, 50 mi. gas mains to be laid. $1,500,000.

Bids Desired

N. H., Manchester—SERVICE and REPAIR GARAGE—Perreault & Labonte, Elm St., taking bids 2 story, concrete, steel, plain found., Blodgett, Black and Elm Sts. $40,000 or more. C. R. Whitcher, 814 Elm St., archt.

Mass., Boston—FREIGHT—Nov. 16, by New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, 1 story, 60 x 650 ft., brick, steel, steel truss freight house, Fargo St. Est. $150,000. Private plans.

Mass., Framingham—SERVICE GARAGE SHOWROOM, REPAIR SHOP—See "Contracts Awarded."

Mass., Newton (Ind. br. Boston)—SERVICE and REPAIR GARAGE—See "Contracts Awarded."

Mass., Saugus — FACTORY — See "Contracts Awarded."

Conn., Danbury—SERVICE and SALES—Nov. 26, by Anderson Nash Corp., 141 White St., 1 story, 68 x 120 ft., brick, West St. $45,000. Private plans.

Conn., New London — GARAGE — A. B. Neimon, 36 Cleveland St., taking bids 1 story, 75 x 125 ft., brick, steel, May St. $45,000. F. DeGange, 60 Ocean Ave., archt.

Conn., Waterford—SERVICE—Nov. 16, by Connecticut Power Co., 33 Union St., New London, 3 story, brick, steel service building. $200,000. L. H. Goddard, 85 State St., New London, archt. Noted Sept. 20.

N. Y., Brooklyn—GARAGE—See "Contracts Awarded."

N. Y., Brooklyn—SERVICE GARAGE—Kram Realty Corp., J. Marks, pres., 285 Madison Ave., New York, taking bids separate contracts service garage, Union St. and 7th Ave. $200,000. Kleinert & Klie, 250 Park Ave., New York, archts. Noted Oct. 25.

N. Y., Long Island City — SERVICE GARAGE — See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. J., Elizabeth—FACTORY—See "Contracts Awarded."

N. J., Jersey City — REPAIR SHOP — Flagg & Stades, archts., 665 Newark Ave., bids about Dec. 1, general contract 2 story, basement, brick, steel, plain found., 3218 Hudson Blvd., for Liberty Auto Radiator Co., 3218 Hudson Blvd., $40,000. Noted Nov. 8.

N. J., North Bergen (Ind. br. West New York)—IRON FACTORY—See "Contracts Awarded."

N. J., Orange—DRESS FACTORY—G. Kelly (L. J. Goldberg, in charge), 1 North Harrison St., East Orange, taking bids 2 story, basement, 50 x 100 ft., brick, steel, plain found., 26 Canfield St. $40,000. C. H. Baldwin, 350 Main St., archt. B & B Mfg. Co., Thomas St., lessee. Noted Nov. 8.

S. C., Spartanburg — FACTORY — Lockwood Greene Engineers, Inc., engrs., Spartanburg, taking bids fireproof building, 12,000 sq.ft. floor space, for Stewart Bros. Paint Co., Inc., Alliance, O. To exceed $40,000.

Ind., Ft. Wayne — FACTORY — John Deere Co., Moline, Ill., taking bids 4 story, 100 x 100 ft., rein.-con., brick, Jackson and West Main Sts. $150,000. Private plans.

Ill., Chicago—FACTORY—F. E. Davidson, archt., 53 West Jackson Blvd., bids about Dec. 5, 5 story, basement, 180 x 300 ft., rein.-con., brick, Crawford and Diversey Aves., for Olson Rug Co., 32 South Laflin St. $1,000,000.

Ark., Ft. Smith — CREAMERY — See "Contracts Awarded."

Tex., San Antonio—POWER SUB-STATION—See "Contracts Awarded."

Colo., Colorado Springs — LAUNDRY, BOILER HOUSE—St. Francis Hospital takes bids about Nov. 15, 2 story, basement, brick laundry and boiler house. $50,000. D. X. Murphy & Bro., Louisville Trust Bldg., Louisville, Ky., archts.

Colo., Pueblo—TIRE SHOP—Firestone Tire & Rubber Co., c/o W. K. Hurd, agt., 7th and Court Sts., bids about Nov. 15, 1 story, basement, brick, steel, concrete, incl. filling station, oiling and car washing dept., 8th and Court Sts. $50,000.

Buildings—Industrial (Continued)

Calif., Santa Monica—NEWSPAPER—F. D. Rutherford, archt., Mills-Fraser Bldg., taking bids rein.-con. newspaper publishing plant, 4th St., for Santa Monica Evening Outlook. $100,000. Noted Oct. 18.

Contracts Awarded

Vt., Barre — SERVICE and REPAIR GARAGE — H. F. Farnham & Sons, 50 Court St., 1 story, steel, concrete, plain found., 330 North Main St., to C. D. Marsh Constr. Co., Woodsville, N. H. steel, to Smith & Lovett Co., 135 Taylor St., Boston, Mass. Est. $40,000.

Mass., Arlington (br. Boston)—SERVICE and REPAIR GARAGE—W. M. Clifford, 31 Madison Ave., Cambridge, 1 story, brick, rein.-con., steel, plain found., Park Blvd., to J. J. Powers, 33 Myrtle Ave., Cambridge. Est. $40,000.

Mass., Boston — FACTORY — Chickering Building, c/o G. B. Washburn, archt., 74 Highland Ave., Arlington, altering and constructing 5 story, basement, brick addition, plain found., 791 Tremont St., to G. B. Brown, 74 Chester Ave., Chelsea. Est. $40,000 or more.

Mass., Framingham — SERVICE GARAGE, SHOWROOM and REPAIR SHOP — C. McGrady, 1 story, 95 x 135 ft., rein.-con., steel, plain found., River St., separate contracts. $45,000. E. F. Allbright, 761 Dudley St., Dorchester, archt.

Mass., Leominster—FACTORY—DuPont Viscoloide Co., F. B. Davis, Jr., pres., factory and storehouse, Lancaster St., to Wiley & Foss, Central St., Fitchburg.

Mass., Malden (br. Boston)—ICE MANUFACTURING PLANT—Boston Ice Co., 11 Deerfield St., Boston (subsidiary Knickerbocker Ice Co., 41 East 42nd St., New York), 1 story, 125 x 150 ft., brick, limestone, cast stone and terra cotta, to Vappi & Ferguson, 552 Massachusetts Ave., Cambridge. Est. $75,000. Noted Nov. 8.

Mass., Mattapan (sta. Boston) — ICE PLANT — Milton Ice Co., 45 Babson St., altering and constructing 1 story, brick, steel addition, to W. T. Reed Co., 201 Devonshire St., Boston.

Mass., Newton (Ind. br. Boston)—SERVICE and REPAIR GARAGE—Abramson & Bennett, Auburn St., Auburndale, 1 story, 50 x 200 ft., brick, steel truss, plain found., Auburndale section, separate contracts. To exceed $40,000. J. A. Tuck, 164 Lincoln St., Boston, archt. Noted Feb. 9.

Mass., Roxbury (Sta. Boston)—FACTORY—C. H. W. Foster, 15 State St., Boston, altering 5 story, brick, plain found., 791 Tremont St., to C. R. Woolmer, 116 Garland St., Everett.

Mass., Roxbury (sta. Boston)—SERVICE, REPAIR GARAGE and SHOWROOM —Owner, c/o S. J. Rankin, archt., 1117 Columbus Ave., 1 story, brick, steel addition, plain found., Belgrade Ave., to R. F. Gleason, 304 Belgrade Ave., Roslindale. Est. $40,000.

Mass., Salem — MANUFACTURING PLANT — Salem Chemical Co., Osborn St., altering and constructing 1 story, timber addition, plain found., to Pitman & Brown, 11 Washington St.

Mass., Salem—SERVICE and REPAIR GARAGE — Colonial Garage, Inc., 281 Derby St., altering and constructing 1 story, brick, steel truss service and repair garage addition, and boiler house plain found., to Pitman & Brown Co., Washington St. Est. $40,000.

Mass., Saugus — FACTORY — N. W. Mathey, 130 Eastern Ave., Lynn, 1 story, basement, 60 x 100 ft., rein.-con., plain found., Auburn St., separate contracts. Private plans.

Mass., Springfield — PLANT — Moore Drop Forging Co., A. H. Chapin, pres., 2 story, brick additional unit, plain found., Walter St., to Adams & Ruston Constr. Co., 1387 Main St.

Mass., South Boston (sta. Boston)—FACTORY—Terkelson Machine Co., 326 A St., 2 story, brick, timber, plain found., to W. Porter, 62 Grampian Way, Dorchester. Former contract rescinded. Noted Aug. 23.

Mass., Worcester — GAS PLANT — Worcester Gas Light Co., 240 Milk St., gas plant Quinsigamond Ave., to Gas Mchy. Co., 1900 Euclid Ave., Cleveland, O. Est. exceeds $40,000.

R. I., Providence—FOUNDRY—Brown & Sharpe Mfg. Co., H. Sharpe, pres., Promenade St., 1 story, brick, steel addition, to Central Eng. & Constr. Co., 20 Bond St., Holyoke, Mass. Est. $40,000 or more. Noted Nov. 8.

R. I., Providence—JEWELRY FACTORY —Uncas Mfg. Co., 85 Sprague St., altering 2 story, brick, plain found., Sprague St., to Bouvier-Brien Constr. Co., 189 Sayles St., Woonsocket.

R. I., Providence — SERVICE and REPAIR GARAGE — Colt, Birmingham & Brady, Inc., 1 Reservoir Ave., altering and constructing 1 story, concrete, steel addition, plain found., to E. Turgeon, 36 Exchange St. Est. $40,000. Noted Nov. 8.

R. I., Providence — PLANT — Providence Lithograph Co., Prairie Ave., 1 story, 45 x 135 ft., brick, timber addition, plain found., Prarie and Reynolds Aves., to C. I. Bigney Constr. Co., Inc., 260 West Exchange St.

Conn., Bridgeport — FACTORY — Amer. Tube & Stamping Co., 766 Stratford Ave., 3 story, 35 x 100 ft., brick, steel unit, Stratford Ave., to T. J. Pardy Constr. Co., 1481 Seaview Ave. Est. $50,000.

Conn., Fairfield—FACTORY—McKesson & Robbins Co., Grasmere St., 5 story, 100 x 200 ft., rein.-con., to E. & F. Constr. Co., 94 Wells St., Bridgeport. Est. $155,000. Noted Oct. 25.

Conn., New Britain—FACTORY—Landers, Frary & Clark, Center and Commercial Sts., 1 story, 123 x 200 ft., rein.-con. enameling building, and 30 x 123 ft., steel storage building, incl. platforms, concrete roadway, to Morton C. Tuttle Co., Park Sq. Bldg., Boston, Mass. Est. $110,000.

Conn., New London—FACTORY—Rich & Rubin, c/o F. DeGange, archt., 60 Ocean Ave., 2 story, 25 x 50 ft., and 25 x 100 ft., brick plant. $40,000. Owner builds.

Conn., West Haven (br. New Haven) — WEAVING SHED — Velvet Textile Corp., Gilbert St., 1 story, 45 x 152 ft., brick, steel, to Hewlet Co., 886 Main St., Bridgeport. Est. $40,000. Noted Oct. 18.

N. Y., Brooklyn — FACTORY — Steel & Tubes, Inc., J. L. Sussman, pres., factory, to Austin Co., 120 Bway., New York. Est. $40,000. Noted Oct. 25.

N. Y., Brooklyn—SERVICE GARAGE—Corporation, c/o J. S. Ramke, 1710 Ocean Ave., service garage, Meeker and Vandervoort Aves., to Curtis Building Co., 1710 Ocean Ave. Est. $40,000.

N. Y., Brooklyn—GARAGE—D. Saladino, 1307 Dean St., garage addition, Bergen St. and New York Ave., separate contracts. $100,000. F. Savignano, 6005 14th Ave., archt.

N. Y., New York—SERVICE GARAGE—Bator Realty Corp., H. E. O'Donnell, pres., 140 Nassau St., 2 story, separate contracts. $60,000. W. Shary, 41 Union Sq., archt. Noted Nov. 1.

N. Y., Long Island City — SERVICE GARAGE — Mileage Gas Corp., 2 Park Ave., New York, 25 x 85 ft., brick, concrete, separate contracts. $50,000. Private plans. Noted Nov. 1.

N. Y., New York—SERVICE GARAGE—Dulcis Realty Corp., M. Wasserman, pres., 1825 Harrison Ave., service garage, separate contracts. $100,000. A. Pirner, 2742 Tremont Ave., archt. Noted Nov. 1.

N. Y., New York—SERVICE GARAGE—Lemel Realty Corp., M. Mastel, secy., 24 Dadworth St., Brooklyn, 2 story, 90 x 108 ft., brick, concrete separate contracts. $40,000. Gluck & Duma, 400 East Fordham Rd., archts. Noted Nov. 1.

N. J., North Bergen (Ind. br. West New York)—IRON FACTORY—F. J. Mullery Iron Wks., Inc., 574 12th St., West New York, 2 story, basement, 200 x 200 ft., brick, steel, plain found., 28th St., separate contracts. $75,000. C. Elcholz, 960 Bergenline Ave., Union City, archt.

N. J., Paterson—AIRPLANE PLANT—Wright Aero Corp., 238 Lewis St., general contract 1 and 2 story, rein.-con., brick, plain found., 238 Lewis St., to J. W. Fergerson Co., 152 Market St. Est. $65,000.

Md., Baltimore — PLANT — Chesapeake Paperboard Co., Key Highway and Baltimore & Ohio R.R., 2 story, 80 x 180 ft., brick, steel addition, concrete found., to Fred Wright Co., 217 North Calvert St. Noted Aug. 9.

Md., Baltimore—WAREHOUSE — American Oil Co., Amer. Bldg., 3 story, basement, 63 x 99 ft., concrete, brick, steel, Curtis Bay, to Consolidated Eng. Co., 20 East Franklin St., $100,000.

Md., St. Helena (Sta. Baltimore)—FACTORY—Chemical & Pigments Co., two 70 x 100 ft., concrete, steel additions, to Price Constr. Co., Maryland Trust Bldg., Baltimore.

Va., Snowden — HYDRO - ELECTRIC PLANT, etc. — Hydro-Electric Corp., M. E. Marcus, pres., Mutual Bldg., Richmond, 10,000 hp. hydro-electric generating plant and dam, on James River, near here, to Reinhart & Dennis, Charlottesville.

Tenn., Sparta—SILK THROWING MILL — J. C. Welwood Corp., 2 Park Ave., New York, 1 story, basement, 100 x 243 ft., concrete found., cast iron columns, to Foster & Creighton Co., 4th and 1st Bldg., Nashville. Noted Oct. 25.

O., Canton—FACTORY—Hercules Motor Corp., 1 story, 90 x 180 ft., brick, steel, Halliwell Ave., S.E., to A. F. Wendling Co., Massillon, $100,000. Noted Nov. 8.

O., Canton—LUBRICATION PLANT—Putman Lubrication Co., 1 story, 41 x 198 ft., fireproof, 2nd and McKinley Aves. N. W., to L. Ream, 2401 6th St. N. W. $40,000.

O., Cleveland — FACTORY — Precision Castings Co., c/o J. W. Millspaugh, local representative, Keith Bldg., 1 story, 30,000 sq.ft. floor space, brick, steel, Berea Rd., to J. O. Taylor Co., South Saline St., Syracuse, N. Y. Est. $75,000.

O., Cleveland—FOUNDRY—Atlas Fdry. Co., J. H. Bruce, pres., West 69th St. and Wheeling & Lake Erie R.R., 1 story, 30 x 90 ft., brick, steel addition, to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Est. $40,000. Noted Nov. 1.

O., Cleveland—LABORATORY—Midland Steel Product Co., E. J. Kulas, pres., West 106th St. and Madison Ave., 1 story, 80 x 120 ft., brick, steel, West 106th St. and Madison Ave., to Austin Co., 16112 Euclid Ave. Est. $75,000.

O., Dayton—GARAGE and REPAIR—L. Stotter, 1305 Glendale Ave., 1 story, 100 x 156 ft., rein.-con., brick, tile, plain found., Wayne and Richard Sts., to A. P. Ziegler, Cooper Bldg., $110,000.

Ind., Indianapolis—MACHINE SHOP and GARAGE—R. McGregor, 541 Consolidated Bldg., general contract 1 story, 70 x 200 ft., rein.-con., brick, steel, to A. V. Stackhouse, 2611 Cornell Ave. Est. $45,000.

Ind., Indianapolis—MACHINE SHOP and GARAGE—S. Johnson, 3668 Central Ave., general contract 1 story, 65 x 135 ft., rein.-con., brick, steel to B. Branson, 1502 West 26th St. Est. $45,000. Noted Nov. 1.

Mich., Detroit — CAR STORAGE — Packard Motor Car Co., East Grand Blvd., 2 story, 130 x 380 ft., rein.-con., brick top addition, Beaufait Ave., to Everett Winters Co., 1651 East Grand Blvd. Est. $200,000.

Mich., Detroit—FACTORY—Dodge Bros. Division Chrysler Motor Car Corp., 341 Massachusetts Ave., Highland Park, 1 story, 120 x 1,950 ft., rein.-con., brick, steel, plain found., to W. E. Wood Co., 1805 Ford Bldg. Noted Oct. 18.

Mich., Detroit—FACTORY—Hudson Motor Car Co., 12601 Jefferson Ave., 2 story, basement, 80 x 345 ft., rein.-con., brick, steel addition, plain found., to Otto Misch Co., 159 East Columbia St. Noted Oct. 18.

Mich., Detroit — MACHINE SHOP — Chrysler Corp., 341 Massachusetts Ave., Highland Park, 1 story, 160 x 800 ft., brick, steel, plain found., East Jefferson Ave., to H. G. Christman-Burke Co., 315 Stevens Bldg.

Mich., Detroit—PIPE SHOP and WAREHOUSE—Crane Co., 150 Randolph St., Detroit, and 836 South Michigan Blvd., Chicago, Ill., 1 story, 50 x 230 ft., brick, steel, plain found., St. Jean Ave., to Cooper-Little Co., 844 Macabees Bldg. Est. $50,000.

Mich., Saginaw — FACTORY — Cowles & Mutscheller, archts., 114 North Washington Ave., 1 story, 30 x 271 ft., brick, steel, plain found., to Federal Constr. Co., 102 Hoyt St., for Wilcox Products Div. of Wilcox-Rich Corp., Rust St. Est. $50,000.

Ill., Chicago—ICE CREAM FACTORY—E. K. Eugene, archt., 436 East 79th St., masonry contract 2 story, 125 x 150 ft., brick, 74th and State Sts., to A. Johnson, 543 West 79th St., for Collins Ice Cream Co., W. C. Collins, 332 South Michigan Ave. Est. $75,000. Noted Sept. 6.

Ill., Chicago—PIE FACTORY—Chicago Pie Co., 328 South Paulina St., general contract 2 story, basement, 120 x 125 ft. rein.-con., to G. Wallentin, 4834 Nevada St. Est. $100,000.

Ill., East St. Louis—FLOUR MILL—The Always-A-Head Mills, Inc., 35th St. and Southern Ry. tracks, 6 story, 60 x 140 ft., flour mill, incl. 40,000 bu. elevators, rein.-con., timber 35th St. and Southern Ry. tracks, to Humphries Contg. Co., Pierce Bldg., St. Louis, Mo.

Wis., Milwaukee — FACTORY — Seaman Body Corp., 1732 Richards St., general contract 5 story, 100 x 300 ft., brick, steel addition, plain found., Richards St. and Capitol Dr., to Dohlman Constr. Co., 456 Bway.; steel, to Worden-Allen Co., Pt. Washington Rd. Total est. $250,000.

Ia., Sioux City—FACTORY—Benson Furniture Co., 1911 East 4th St., 5 story, 40 x 980 ft., rein.-con., to B. E. Short, 418 Court St. Est. $40,000.

Kan., Kansas City — AIRPLANE FACTORY — E. E. Porterfield, Jr., 2800 East 13th St., Kansas City, Mo., 1 story, 100 x 300 ft., and 2 story, 30 x 70 ft., brick, steel, to W. K. Martin, 423 Dwight Bldg., Kansas City, Mo.

Mo., Crystal City—PLANT—Pittsburgh Plate Gales Co., Frick Bldg., Pittsburgh, Pa., 2 story, 100 x 1,000 ft., brick, steel addition. $750,000. Owner builds. Noted Oct. 25.

Mo., St. Louis — METAL WORKING FACTORY — Metalcraft Corp., E. W. Spreen, secy., 4515 Clayton Ave., 1 story, 180 x 253 ft., brick, concrete found., 5105 Penrose St., to Schooley & Chamblin, 6038 Delmar Blvd. Est. $60,000.

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Buildings—Industrial (Continued)

Ark., Fort Smith—CREAMERY—Quality Milk Co., c/o C. Ward, 210 North 10th St., 2 story, 140 x 150 ft., rein.-con., brick creamery and milk pasteurizing plant, day labor, under supervision Cable Eng. Co., engrs., Dallas, Tex. Est. $60,000. Noted Oct. 25.

Tex., Houston—FACTORY—J. E. Evans, Washington Ave., 2 and 3 story, 125 x 250 ft. factory, to T. B. Hubbard Constr. Co., 1507 Shepherd St., $67,000.

Tex., Houston — FACTORY — Wackman Welded Ware Co., 7th and Victor Sts., St. Louis, Mo., 1 story, 92 x 201 ft. factory, to Forest McNeir, 2603 Chartres St. $50,000.

Tex., San Antonio — POWER SUB-STATION — San Antonio Pub. Serv., co., c/o E. H. Kifer, mgr., St. Marys and Crockett Sts. sub-station with 4 large transformers for carrying power to Republic Portland Cement Co. plant (now under construction), 12 mi. north of here, own forces. $70,000. Private plans.

Okla., Oklahoma City—LAUNDRY—J. E. Patterson & Co., Wewoka, 1 story, basement, 150 x 300 ft., rein.-con., brick, plain found., 1st and Olie Sts., to Reinhart & Donovan, Trade Natl. Bank Bldg., $250,000. Mid-City Laundry Co., lessee.

Wash., Hoquiam — PULP and PAPER MILL—Grays Harbor Pulp & Paper Co., (1st unit) paper mill, to Chris Kupplers Sons, Aberdeen. Est. $150,000. Noted Jan. 27, 1927.

Calif., Bakersfield — ICE PLANT — Atchison, Topeka & Santa Fe Ry. Co., R. B. Ball, ch. engr. (coast lines), San Francisco, 1 story, 100 x 183 ft., steel, rein.-con., to R. E. McKee, 1128 Central Bldg., Los Angeles. $72,600. Monitor roofing, water cooling tower, steel loading dock, etc.

Calif., Claremont—PACKING PLANT—Claremont Citrus Assn., 1 story, basement, 90 x 150 ft., timber, corrugated iron packing plant, to C. T. Stover, 11th St., $40,000.

Calif., Los Angeles — LAUNDRY — City Towel Supply Co., 413 East 6th St., 5 story, Class "A" laundry, incl. separate boiler room and office buildings, South San Pedro St., to Easton & Nesser, 323 South Western Ave., $135,000. Noted Nov. 8.

Ont., Princeton — CONDENSED MILK PLANT — City Dairy Co. Ltd., Spadina Crescent, Toronto, general contract 2 story, basement, rein.-con., brick, steel, to J. A. Vance, Woodstock; radial brick chimney, to Francis Hanken Co., 165 Spadina Ave., Toronto. Est. $125,000. Noted Oct. 11.

Ont., Toronto—AUTO PLANT—Willys-Overland Ltd., Weston Rd., general contract 1 story, basement, 90 x 270 ft., rein.-con., brick, steel addition, to W. H. Yates Constr. Co. Ltd., 95 King St. E. Est. $150,000. Noted Sept. 20.

Ont., Toronto—FACTORY—Mundet Cork & Insulation Ltd., 51 St. Lawrence St., general contract 1 and 2 story, basement, 100 x 150 ft., rein.-con., brick, steel, plain found., foot of Booth Ave., to H. A. Wickett Co. Ltd., 156 Front St. E. Est. $100,000.

Ont., St. Catharines—DAIRY PLANT—Silverwoods Ltd., A. E. Silverwood, mgr., London, 1 and 2 story, irregular shaped, brick, Welland Ave., to T. F. Jones, 167 Church St. Est. $75,000.

Buildings—Commercial

Proposed Work

Mass., Boston—FIRE STATION—City, Fire Dpt., Bristol St., plans 2 story, brick, Harrison Ave. corner Bristol St. $150,000 or more. Engineer and architect not selected.

Mass., Boston — HOSPITAL — City of Boston, Hospital Dpt., revised plans by J. H. Ritchie & Association, 250 Stuart St., 8 story, basement, 50 x 140 ft. medical ward building, brick, steel, limestone, plain found., Harrison Ave. $600,000. Noted June 7.

Mass., Boston—OFFICE—Edison Electric Illuminating Co., 39 Boylston St., plans by Bigelow, Wadsworth, Howland & Smith, 11 Beacon St., 14 story, basement addition. To exceed $150,000.

Mass., Cambridge (br. Boston) — FIRE STATION — City, Public Buildings Dpt., fire station. $150,000 or more. Engineer and architect not selected.

Mass., Fall River — BANK — Troy Co-operative Bank, E. W. Bertenshaw, treas., Elm St., bids in December or January, rebuilding bank, Purchase St., recently destroyed by fire. $300,000. Morgan, French & Co., 19 West 44th St., New York, archts. Noted Feb. 23.

Mass., Fall River—STORE and OFFICE—M. J. Coughlin, 176 Bedford St., sketches by L. G. Destremps, 49 Border St., rebuilding 3 or 4 story, basement, brick, plain found., Bedford St., recently destroyed by fire. Noted Mar. 15.

Mass., Marion—GOLF CLUB and GOLF COURSE—Devonshire Manor Sales Corp., 1 East 42nd St., New York, and Chamber Commerce Bldg., Boston, revised plans by Warren & Wetmore, 16 East 47th St., New York, golf club and course, Buzzards Bay. $1,500,000. Noted July 12.

Mass., Mattapan (sta. Boston)—ADMISSION — City of Boston, Hospital Dpt., sketches by J. H. Ritchie & Associates, 250 Stuart St., Boston, 2 story, basement, brick, plain found., River St. $150,000.

Mass., Needham (Ind. br. Boston) — BANK — Needham Natl. Bank for Savings & Trust, H. A. Carter, pres., 402 Highland Ave., sketches by T. M. James Co., 3 Park St., Boston, 1 and 2 story, basement, brick, steel, plain found., Great Plain Ave. $150,000 or more. Noted Oct. 4.

Mass., Northampton — WARD — Cooley-Dickinson Hospital plans by K. S. Putnam, 78 Main St., 3 story, basement, brick, maternity ward building, plain found. $150,000.

Mass., Waltham (Ind. br. Boston)—THEATRE, STORE and OFFICE—Owner, c/o Krokyn, Browne & Rosenstein, archts., 220 Devonshire St., Boston, sketches probably brick, steel, 33 Moody St. To exceed $150,000.

Conn., Bridgeport—HOSPITAL—Bridgeport Hospital, Grant St., plans by E. B. Caldwell, 886 Main St., 2 and 3 story, brick, steel additions, incl. nurses home, kitchen unit, new entrance, maternity ward, boiler unit. $500,000. Noted Oct. 18.

Conn., New Haven—HOTEL and STORE—Wilson H. Lee Co., 246 Meadow St., plans by C. W. Rapp & G. L. Rapp, 190 North State St., Chicago, Ill., brick, steel, Meadow St. and Congress Ave. $500,000 or more.

Conn., Stamford — HOTEL — Shippan Point Hotel Corp., c/o C. Adams, archt., 2038 Spruce St., Phila., Pa., sketches 16 story, brick, steel, concrete, stone, Shippan Point. $4,000,000. Noted July 5.

Conn., Wethersfield — HOME — August Moeller Memorial Foundation c/o G. Zunner, archt., 182 High St., Hartford, sketches home for aged. $150,000 or more.

N. Y., Astoria — APARTMENT — Angels Constr. Co., 11-40 Temple St., Long Island City, plans by R. Lukowsky, 28-13 Newtown Ave., 2 story, brick, timber, 30th Rd. and East Vernon Blvd. $150,000.

N. Y., Brooklyn—APARTMENT—B. J. Aaron Co., Inc., 26 Court St., plans by Cohn Bros., 361 Stone Ave., 6 story, 87 x 100 ft., brick, concrete, Caton Ave., Maple Court and East 17th St. $170,000.

N. Y., Brooklyn — APARTMENT — Corporation, c/o H. Heringham, 26 Court St., plans by M. A. Cantor, 66 Court St., 6 story, 100 x 136 ft., brick, timber, Ocean Ave. and Avenue R. $150,000.

N. Y., Brooklyn — APARTMENT — Corporation, c/o J. Arluck, 224 East 55th St., plans by Cohn Bros., 361 Stone Ave., 6 story, 86 x 100 ft., brick, timber, Parkside and Bedford Aves. $180,000.

N. Y., Brooklyn — APARTMENT — Corporation, c/o M. Leibovitz, 50 Court St., plans by Cohn Bros., 361 Stone Ave., brick, timber, Nassau Ave. and Lorimer St. $300,000.

N. Y., Brooklyn — APARTMENT — S. Kaplan, 912 1st Court, plans by Seelig & Finkelstein, 66 Court St., 4 story, 89 x 120 ft., brick, timber, Humbert St. and Ocean View Ave. $200,000.

N. Y., Brooklyn — APARTMENT — N. Klieman, pres. Veteran Security Corp., 816 Avenue T, plans by Seeling & Finkelstein, 66 Court St., brick, timber, Nathan St. and Ocean View Ave. $190,000.

N. Y., Brooklyn — APARTMENT — S. Scheinblum, 5309 17th Ave., plans by S. Gardstein, 44 Court St., apartment, East 31st St. and Avenue P. $170,000.

N. Y., Brooklyn — STORE and APARTMENT — S. Reswick, 1130 East 24th St., plans by Cohn Bros., 361 Stone Ave., 2 story, brick, Flatbush Ave. and Avenue L. $150,000.

N. Y., East Elmhurst (mail Flushing)—FIRE HOUSES — Fire Dpt., Municipal Bldg., New York, fire houses, 27th Ave. and Karney St. here, and 196th St. and Foch Blvd., St. Albans Heights. $150,000.

N. Y., Far Rockaway—APARTMENT—B. Goldberg, 2077 East 12th St., Brooklyn, plans by Cohn Bros., 361 Stone Ave., Brooklyn, 6 story, 86 x 118 ft., brick, timber, Nelson and Dinsmore Aves.

N. Y., Jamaica — BANK — Mechanics Bank, 215 Montague St., Brooklyn, plans by Homes & Winslow, 153 East 38th St., New York, 1 story, 25 x 120 ft., brick, stone, Jamaica Ave. and East 159th St. $200,000. Noted Sept. 27.

N. Y., Long Island City—WAREHOUSE—Crane Co., 836 South Michigan Blvd., Chicago, Ill., warehouse, Dutch Kills Basin. To exceed $200,000. Engineer and architect not selected.

N. Y., Mount Vernon—APARTMENT—R. B. Smith, 452 5th Ave., New York, plans by H. Wiseman, 25 West 43rd St., New York, apartment, East Lincoln Ave. $1,000,000.

N. Y., New York—APARTMENT—Arne Holding Corp., D. Pederson, pres., 326 East 149th St., plans by G. G. Miller, 1482 Bway., 6 story, 73 x 112 ft., brick, timber, Morris Ave. and Fordham Rd. $150,000.

N. Y., New York—APARTMENT—Corporation, F. Sammartano, 737 Astor Pl., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 125 ft., brick, steel, Holland and Astor Aves. $200,000.

N. Y., New York—APARTMENT—Corporation, c/o S. Herbst, 1763 Hoe Ave., plans by DeRose & Cavalieri, 370 East 149th St., 6 story, 85 x 100 ft., brick, timber, Honeywell Ave. and 180th St. $165,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Olivetti, 1492 Westchester Ave., plans by DeRose & Cavalieri, 370 East 149th St., 6 story, 87 x 120 ft., brick, timber, Beaumont and 187th Sts. $195,000.

N. Y., New York—APARTMENT—Corporation, c/o N. Silberman, 1084 Intervale Ave., plans by G. Meisner, 4197 Park Ave., 6 story, 82 x 100 ft., brick, timber, Taylor and Westchester Aves. $150,000.

N. Y., New York—APARTMENT—Elder Realty Co., Inc., J. Auerbach, pres., 2561 White Plains Rd., plans by G. W. Swiller, 4215 3rd Ave., 4 story, 190 x 257 ft., brick, timber, Bronxdale and Barnes Aves. $300,000.

N. Y., New York—APARTMENT—James Ray Realty Corp., D. Palmer, pres., 300 Madison Ave., plans by Sugarman & Berger, 345 Madison Ave., 2 and 6 story apartment, 231st St. and Fairfield Ave. $150,000.

N. Y., New York — APARTMENT — Learex Realty Corp., D. Israel, pres., 902 41st St., Brooklyn, plans by O. Goldschlag, 1482 Bway., 6 story, 71 x 86 ft., brick, timber, 2455 Amsterdam Ave. $160,000.

N. Y., New York—APARTMENT—Montoya Realty Corp., H. Willet, pres., 391 East 149th St., plans by H. Ginsberg, 222 East 42nd St., 6 story, 128 x 335 ft., brick, timber, Sheridan Ave. and 172nd St. $1,250,000.

N. Y., New York—APARTMENT—One Hundred Seventy-Three West 78th St. Corp., C. F. McMorrow, pres., 343 Lexington Ave., plans by G. A. Bagge & Sons, 157 East 44th St., 13 story, 64 x 102 ft., brick, steel, 379 Amsterdam Ave. $625,000.

N. Y., New York—APARTMENT—One Thousand Four Hundred Eight Fulton Avenue Corp., F. Tovolacci, pres., 783 East 169th St., plans by T. F. Price, 243 West 231st St., 6 story, 94 x 100 ft., brick, timber, Fulton Ave. and 170th St. $250,000.

N. Y., New York—APARTMENT—One Thousand Two Hundred and Twenty Seneca Avenue Corp., S. Ruth, pres., 76 Seaman Ave., plans by Lilien & Lilien, 1860 Bway., 6 story, 75 x 82 ft., brick, timber, Seneca and Faile Sts. $150,000.

N. Y., New York—BANK and OFFICE—Servein Realty Corp., M. Weinstein, pres., 64 2nd Ave., plans by Landsman & Smith, 105 West 40th St., 6 story, 25 x 100 ft., brick, 72 2nd Ave. $150,000.

N. Y., New York — HOSPITAL — Psychopathic Hospital, c/o Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., foot East 26th St., plans by C. B. Meyers, 31 Union Sq., 8 story hospital, 1st Ave. somewhere between 21st and 30th Sts. $3,700,000.

N. Y., New York—HOTEL—Sixty-Two Riverside Dr. Corp., A. Hicky, pres., 266 West 31st St., plans by Gronenberg & Leuchtag, 1385 Bway., 16 story, 41 x 91 ft., brick, steel, plain found., 336 West 78th St. $400,000.

N. Y., New York—OFFICE and STORE—Seventy-One Bway. Corp., W. J. Filbert, pres., soon lets contract altering and constructing top addition, 71 Bway. $200,000. J. C. Westervelt, 36 West 34th St., archt. Noted Sept. 27.

N. Y., New York — OFFICE — Three Hundred Thirty West 42nd St. Corp., 1457 Bway., bids in spring, Larkin Tower, 110 story 226 x 250 ft., brick, steel, stone, solid concrete slab found., 1,450,000 sq.ft. floor space, 326-46 West 42nd St. and 327-345 West 41st St. $22,500,000. J. A. and E. L. Larkin, 1457 Bway., archts. Noted Dec. 23, 1926.

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Buildings—Commercial (Continued)

N. Y., New York — SANATARIUM — Cedar Rivers Corp., H. B. Steffanson, pres., 285 Madison Ave., plans by K. Fransheim, 345 Madison Ave., 15 story, 57 x 89 ft., brick, steel, 45 East 61st St. $450,000.

N. Y., New York—STORE and APARTMENT—I. Seiffert, 1820 Prospect Ave., plans by L. Stillman, 2419 Webster Ave., 2 story, 100 x 125 ft., brick, timber, Warring and Holland Aves. $200,000.

N. Y., Woodside (Ind. br. Flushing)—APARTMENT—Menorah Constr. Co., 37-44 65th St., plans by J. J. Millman, 26 Court St., Brooklyn, 4 story, 62 x 100 ft., brick, timber, 60th St. and Woodside Ave. $165,000.

N. J., Atlantic City—APARTMENT—L. Mellen, c/o J. Decker, archt., 14 Northfield Ave., West Orange, soon lets contract general contract 5 story, 50 x 115 ft., brick, steel, plain found., States Ave. $150,000. Noted Nov. 1.

N. J., Bayonne—APARTMENT HOTEL—Midlen & Eisenstadt, 116 East 49th St., 5 story, basement, brick, steel, plain found., West 26th St. between Avenues B and C. $200,000. Noted Nov. 1.

N. J., Bloomfield—BANK and OFFICE—Bloomfield Trust Co., Glenwood Ave., plans by Uffinger, Foster & Bookwalter, 221 West 57th St., New York, 5 story, basement, brick, steel, plain found., Broad St., and Bloomfield Ave. $1,000,000. Noted Oct. 25.

N. J., Bradley Beach—APARTMENT—J. C. Malone, c/o E. H. Schneider, archt., 3rd Ave., Spring Lake, 3 story, basement, brick, steel, plain found., 410 Brinley Ave. $150,000. Noted Nov. 1.

N. J., Camden—MUNICIPAL and HALL OF RECORDS—City Comrs., W. S. Price, mayor, City Hall, plans by Edwards & Green, 548 Federal St., Camden, 5 story, basement, brick, steel ,rein.-con., plain found., Market, Arch, 5th and 6th Sts. $6,000,000. Noted Aug. 16.

N. J., East Orange — APARTMENT — Max-Sam Investment Co., M. Wernberg, 109 Hillside Ave., Newark, plans by S. Cohen, 130 Branford Pl., Newark, 4 story, basement, 70 x 200 ft., brick, steel, plain found., 174 North Grove St. $175,000. Noted Nov. 8.

N. J., Highland Park (br. New Brunswick) — APARTMENT — H. Soloman, c/o H. G. Bach, archt., 63 Schureman St., New Brunswick, sketches 3 story, basement, brick, steel, plain found., Abbott St. $150,000.

N. J., Hoboken—BOXING ARENA—M. Russell, c/o A. E. Sleight & Son, archts., 136 Washington St., Paterson, sketches 2 story, basement, 200 x 200 ft., brick, steel, plain found., 14th and Clinton Sts. $150,000.

N. J., Irvington (Ind. br. Newark)—APARTMENT—Owner, c/o E. F. Hauser, archt., 9 Clinton St., Newark, sketches 5 story, basement, brick, steel, plain found. $150,000.

N. J., Jersey City—CLUB HOUSE—P. O. Simeone & Co., Inc., archts., 22 Journal Sq., soon lets contract 3 story, basement, 75 x 100 ft., brick, steel, plain found., 24 Liberty Ave., for Polish Amer. Democratic Club, 22 Liberty Ave. Est. $150,000. Noted Oct. 11.

N. J., Linden — APARTMENT and STORE — T. De Luca, 108 Washington Ave., Elizabeth, plans by J. B. Beatty, 15 North Reid St., 3 story, basement, 50 x 100 ft., brick, steel, plain found., Wood Ave. $150,000.

N. J., Long Branch — APARTMENT — Coast Realty & Constr. Co., sketches 3 story, basement, brick, steel, plain found. $150,000.

N. J., Long Branch — HOTEL and GARAGE—W. H. Pawson, 25 West 43rd St., New York, sketches by Ellis, Aaronson & Heidrich, 25 West 43rd St., New York, hotel and garage, Ocean Ave. $3,000,000.

N. J., Newark—CLUB HOUSE—Knights of Columbus, 65 Lincoln Park, plans by Clinton & Russell, 17 John St., New York, 8 story, basement, brick, steel, rein.-con., plain found., 61-67 Lincoln Pl. $1,500,000. Noted Mar. 22.

N. J., Newark—OFFICE and THEATRE—Stanley Fabian Corp., 17 Academy St., brick, steel, 878-880 Broad St. $1,000,000.

N. J., Paterson — STORE and APARTMENT—M. Kinner, c/o H. Fritz, archt., 629 Main Ave., Passaic, 4 story, basement, brick, steel, plain found. $150,000.

N. J., Teaneck (br. Hackensack) — THEATRE—Giban, Inc., 274 Madison Ave., New York, 2 story, basement, brick, steel, 3,500 seating capacity, West Englewood Sq. $250,000.

N. J., Woodbury—APARTMENT—W. M. Stanton, archt., Land Title Bldg., Phila, Pa., soon lets contract 4 story, basement, 44 x 115 ft., 42 x 86 ft., and 42 x 58 ft., brick, steel, plain found., for Evergreen Apartments, Inc., Real Estate Trust Bldg., Phila., Pa.

D. C., Wash. — APARTMENT — E. H. Dewey & Co., Southern Bldg., plans by W. Douden, Hill Bldg., apartment, store and community center, 12th St. N. E. near Perry St. $300,000.

D. C., Wash.—APARTMENTS—M. and R. B. Warren, 917 16th St. N. W., plans by Parks & Baxter, 1800 E St. N. W., three apartments Connecticut Ave., Sedgwick and Tilden Sts. N. W. $3,000,000.

D. C., Wash.—TEMPLE—Almas Temple Ancient Arabic Order, Nobles Mystic Shrine, 1311 K St. N. W., temple, 1313-15 K St. N. W. $200,000.

Va., Petersburg—APARTMENT—F. P. Fox and associates, 20 East 39th St., soon takes bids apartment, Jefferson and Fillmore Sts., incl. garages, 70 ft. driveway. $200,000.

La., Baton Rouge—MEDICAL ARTS—Lafayette Realty Co., L. Gottlieb, pres., plans by E. F. Neild, City Bank Bldg., Shreveport, 9 story, rein.-con., brick, stone, Lafayette St. $300,000.

O., Cleveland—BANK, COMMERCIAL and APARTMENT—Guardian Trust Co., 623 Euclid Ave., sketches by Walker & Weeks, 2341 Euclid Ave., 3 story, basement, 80 x 100 ft., concrete, brick, steel, Wooster Rd. and Blount St. $175,000.

O., Cleveland—STATION—Cleveland Ry. Co., J. H. Alexander, pres., Hanna Bldg., plans by W. Watson & Associates, 4614 Prospect Ave., brick railway operating station, Kinsman Rd. $150,000.

O., Lakewood (br. Cleveland)—APARTMENTS—M. Teplitz, 10003 Columbia Ave., two 4 story, basement, brick, Lake Ave. and West Blvd. $150,000 each. Engineer and architect not selected.

Ind., Bloomington—LODGE—Elks Lodge 446 plans by McGuire & Shook, North Meridian St., Indianapolis, 2 story, basement, 60 x 70 ft., steel, stone, 8th and Walnut Sts. $150,000.

Mich., Detroit — APARTMENT — H. Dunitz, 1336 Dime Bank Bldg., plans by J. I. Weinberg, 514 Free Press Bldg., 5 story, basement, 48 x 176 ft., rein.-con., brick, steel, plain found., Prentis Ave. $150,000.

Mich., Detroit — APARTMENT — W. J. Montgomery, 2006 Penobscot Bldg., plans by C. D. Lundblad, 4070 West Fort St., 4 story, basement, 45 x 103 ft., brick, steel, concrete, plain found., Stimson Ave. $150,000.

Mich., Detroit—CLUB—Owner, c/o J. Kasurin, archt., 502 Empire Bldg., 4 story, basement, 75 x 150 ft., brick, steel, stone, plain found. $150,000.

Mich., Detroit—HOTEL and STORE—Owner, c/o B. C. Wetzel & Co., archts., Dime Bank Bldg., 12 story, basement, 71 x 71 ft., concrete, brick, steel, stone, plain found. $350,000.

Mich., Detroit — SANATORIUM and OFFICE — McVay Sanatorium, 2605 West Grand Blvd., 6 story, basement, 50 x 100 ft., rein.-con., brick, steel, plain found., West Grand Blvd. $150,000.

Mich., Detroit—STORE and OFFICE—Briggs Co., 1800 Buhl Bldg., plans by L. Kamper, Kamper Bldg., Cass Ave., 3 story, part basement, 100 x 300 ft., brick, steel, stone, plain found., Woodward Ave. $250,000.

Mich., Detroit—WAREHOUSE—Michigan Bell Telephone Co., Cass Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 4 story, basement, 100 x 150 ft., rein.-con., brick, steel, plain found., Woodrow Wilson Ave. $150,000.

Mich., Ecorse—THEATRE—Owner, c/o P. R. Pereira, archt., 714 Polk Directory Bldg., Detroit, 2 story, part basement, rein.-con., brick, steel, stone, plain found., West Jefferson Ave. $150,000.

Mich., Jackson — OFFICE, THEATRE and GARAGE—Jackson Theatre & Garage Co., 905 Reynolds Bldg., plans by Weston & Ellington, 1507 Stroth Bldg., Detroit, 3 story, part basement, rein.-con., brick, steel, stone, plain found., Jackson and Franklin Sts. $300,000.

Ill., Chicago — APARTMENT—Whitney-Klekamp Corp., 180 North Michigan Ave., plans by R. S. De Goyler & Co., 307 North Michigan Ave., 21 story, basement, 40 x 102 ft., brick, steel, limestone, 1200 Stone St. $1,125,000.

Wis., Milwaukee—APARTMENT—Melbourne Apartments, Inc., c/o B. Uthus, archt., 208 3rd St., 8 story, basement, 100 x 116 ft., brick, concrete, plain found., Wisconsin Ave.

Wis., Milwaukee — APARTMENT — W. Stuckert, archt., Milwaukee, soon lets contract 8 story, 92 x 94 ft., rein.-con., brick, plain found., Prospect Ave., for E. R. Helfaer, 377 Prospect Ave.

Wis., Milwaukee—HOTEL—Owner, c/o B. Uthus, archt., 208 3rd St., 8 story, 50 x 100 ft., rein.-con., brick, plain found., 13th St.

Ia., Cedar Rapids—THEATRE—Owner, c/o C. B. Zalesky, archt., sketches rein.-con., brick, stone, terra cotta. $400,000.

Minn., Aitkin—COURT HOUSE—Aitkin Co., c/o Auditor, plans by Toltz, King & Day, Builders Exch. Bldg., St. Paul, 3 story, basement, rein.-con., brick, Bedford stone court house. $150,000.

Kan., Wichita—APARTMENT—Hurley & Park, c/o N. E. Peters, archt., 1006 Crear-Leslie Bldg., Kansas City, Mo., sketches 8 story, basement, 43 x 137 ft., rein.-con., brick, tile, Elm and Lawrence Aves.

Neb., Omaha—APARTMENT HOTEL—Metcalfe Co., 203 South 19th St., 5 story, basement, concrete apartment hotel, incl. garage in basement, 56th and Military Sts. $400,000.

Mo., Kansas City—APARTMENT—C. O. Jones, 402 Continental Bldg., plans by Boillot & Luck, Orear Leslie Bldg., 10 story, basement, rein.-con., brick, 51st St. and Wornall Rd. $1,500,000.

Mo., St. Louis — APARTMENT — Paramount Constr. Co., J. A. Pastel, pres., 904 Chestnut St., soon lets contract 9 story, basement, rein.-con., brick, terra cotta, cut stone, 5070 Waterman Ave. B. Shapiro, 1219 Syndicate Trust Bldg., archt.

Mo., St. Louis—HOME and HOSPITAL—Salvation Army, c/o W. Andrews, 3620 Finney Ave., soon takes bids 3 story, basement, 114 x 139 ft., rein.-con., brick, terra cotta, 3740 Marine Ave. H. G. Clymer, 620 Wainwright Bldg., archt.

Tex., Baird — COURTHOUSE—Callahan Co., c/o W. C. White, judge, bids after Nov. 10, 3 story, part basement, brick, rein.-con., plain found. $150,000. Voelcker & Dixon, Perkins-Snider Bldg., Wichita Falls, archts. Noted Nov. 8.

Tex., Pampa—OFFICE—Gordon & Denebein, Pampa, plans by W. R. Kaufman, 1007 Monroe St., Amarillo, and soon takes bids 5 story (ultimately 7 story), part basement, 75 x 100 ft. brick, steel, rein.-con., plain found. $160,000.

Tex., San Antonio — CLUB, APARTMENT HOTEL—Club Apartment Hotel Building (now being organized), 1008-10 Milam Bldg., plans by Adams & Adams, c/o Real Estate Bldg., 15 story, basement, brick, steel, rein.-con., plain found., incl. 500 seating capacity auditorium, swimming pool, Tobin Circle and 4th St. $900,000.

Tex., Sherman—HOME—J. Tulloch, archt., soon lets contract Sherman, home, for Supreme Forest Woodmen Circle, M. E. LaRocca, pres. Noted Aug. 9.

Tex., Wharton—HOTEL—H. Guidmann, Wharton, sketches 4 story, part basement, 100 x 300 ft., fireproof, Public Sq. $150,000. Private plans.

Okla., Tulsa—STORE—H. C. Brockman, 3901 South Peoria St., 6 story, basement, rein.-con., brick, plain found., 1013 Main St. $200,000.

Okla., Vinita — HOTEL — Manhattan Constr. Co., Muskogee, plans by A. C. Wiser, Court Arcade Bldg., Tulsa, 5 story, basement, 75 x 150 ft., rein.-con., brick, plain found., Main St. $150,000.

Calif., Long Beach—LODGE—Benevolent and Protective Order of Elks 588, Class "A" lodge, Cedar and Ocean Aves. $500,000. Engineer and architect not selected.

Calif., Los Angeles — APARTMENT — California Land & Building Co., 3923 West 6th St., plans by M. Maltzman, Union Bank Bldg., 6 story, basement, 100 x 150 ft., brick, Sunset Blvd. $325,000.

Calif., Los Angeles—APARTMENT—W. Feigenbaum, 322 Union Bank Bldg., plans by M. Maltzman, Union Bank Bldg., 4 story, basement, 105 x 120 ft., brick, 6th St. and Cochran Ave. $200,000.

Calif., Los Angeles—APARTMENT—Franklin Manor Apts. plans by W. D. Lee, 704 Textile Center Bldg., 9 story, basement, 73 x 115 ft., rein.-con., steel, tile, marble, Franklin and Las Palmas Aves. To exceed $150,000.

Calif., Los Angeles—WAREHOUSE—Owner, c/o H. W. Bishop & H. P. Hess, archts., 6328 Eulalia Blvd., Carthay Center, 11 story, 100 x 100 ft., rein.-con., Western Ave. near Melrose Ave. $350,000.

Calif., Pasadena—STORE and OFFICE—J. Roubian, 901 Manzanita St., plans by W. C. Folland. Pacific South West Bank Bldg., 4 story, basement, brick, Colorado St. $150,000.

Calif., Pittsburg—THEATRE and STORE—H. C. Glass, 838 Escobar St., Martinez, plans by N. R. Coulter, 46 Kearny St., San Francisco, Class "A" 7th and Cumberland Sts. $250,000.

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Buildings—Commercial (Continued)

Calif., San Francisco — APARTMENT — Owner, c/o Irvine & Ebbets, archts., Call Bldg., sketches 6 story, basement, steel, Hayes Valley. $175,000.

Calif., San Francisco—OFFICE—Metropolitan Life Insurance Co., California and Stockton Sts., plans by Miller & Pflueger, 580 Market St., 7 story (ultimately 11 story), Class A steel addition, $500,000.

Calif., Santa Monica—HOTEL—R. Dalluge, 315 West 9th St., Los Angeles, probably 10 story, rein.-con., junction of Ocean Ave. and Ocean Ave. extension. To exceed $150,000. Engineer and architect not selected.

Calif., Visalia—HOTEL—F. H. Whipple, 110 South Bridge St., 3 story, basement, fireproof, Main and Bridge Sts. $150,000. Engineer and architect not selected.

Calif., Wilmington—HOTEL—D. Hundremark, c/o E. L. Mayberry, archt., Transportation Bldg., 4 story, basement, 132 room, brick, concrete hotel. $150,000.

Ont., Ford City — THEATRE — S. Meretsky, 840 Ouellette Ave., Windsor, 2 story, basement, concrete, brick, steel, stone, terrazo, Ottawa St. $175,000. Engineer and architect not selected. Noted Oct. 8.

Ont., St. Catharines—CITY HALL—City, 3 story, basement, rein.-con., brick, steel, stone, plain found., James St. $1,000,000. B. F. Lamson, City Hall, engr. Architect not selected.

Ont., Toronto—GARAGE—L. Morgan & Co., archts., Dufferin St. and Rosemount Ave., Weston, soon lets contract 2 story, basement, 100 x 100 ft., rein.-con., brick, steel, plain found., Yonge St., for Lawrence Park Garage, 2637 Yonge St. $150,000.

B. C., Vancouver—OFFICE—G. A. Stimson & Co., Ltd., 801 Hastings St. W., and 300 Bay St., Toronto, 18 story, 100 x 187 ft., Burrard and Hastings Sts. $1,500,000.

Bids Desired

Mass., Allston (sta. Boston) — APARTMENTS—See "Contracts Awarded."

Mass., Brockton—STORE and OFFICE—Majestic Realty Trust, J. Alland, treas., 126 Tremont St., taking bids 1 and 2 story, basement, 80 x 175 ft., brick, limestone, plain found., North Main St. $150,000. C. T. Olson, 101 Main St., archt. Noted Nov. 1.

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Roxbury (sta. Boston)—APARTMENT—See "Contracts Awarded."

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Flushing—APARTMENT—Terra Construction Co., 1440 Bway., New York, taking bids separate contracts 6 story, brick, steel, on 100 x 221 ft. site, 165th St. and Cocheron Ave. $450,000. W. I. Hohauser, 17 West 44th St., New York, archt.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., Sunnyside (mail Long Island City) — APARTMENT — See "Contracts Awarded."

N. Y., Willard — HOSPITAL — Nov. 27 (extended date), by Commissioner Dpt. Mental Hygiene, Capitol, Albany, psycopathic reception building, Willard State Hospital; adv. E. N.-R. Nov. 15. Noted Nov. 1.

N. J., Bayonne — APARTMENT — See "Contracts Awarded."

N. J., Cliffside Park (mail Cliffside)—THEATRE—H. B. Crosby, archt., 125 Ellison St., Paterson, bids about Dec. 1, general contract 2 story, basement, brick, steel, plain found., Gorge Rd. and Anderson Ave., for Syndicate forming (F. Myers, chn.). $150,000.

N. J., Clifton—APARTMENT—J. DeRose, archt., 119 Ellison St., Paterson, bids about Dec. 1, general contract 3 story, basement, 90 x 100 ft., brick, steel, plain found., Putnam Pl. and Union Ave., for J. Visalli, 556 Van Houten Ave., Passaic. $150,000. Noted Nov. 8.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Fort Lee—APARTMENT—Lucht & Anderson, archts., 432 Palisade Ave., Cliffside, taking bids general contract 5 story, basement, 60 x 115 ft., brick, steel, plain found., Whitman St. and Palisade Ave., for Sentinel, Inc., c/o Gilvan, Inc., 274 Madison Ave., New York. Noted Oct. 11.

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—LABORATORY—Dec. 3, at office Chief Executive Officer, Port of New York Authority, 75 West St., New York, 2 or 4 story, 50 x 100 ft., steel, rein.-con., Fox Pl. and West Side Ave. Chief Engineer of Bridges, Port of New York Authority, New York, engr. Noted Nov. 8.

N. J., Lyndhurst (br. Rutherford)—TEMPLE—A. L. Vigliante, archt., 42 Passaic Ave., Garfield, bids about Mar. 1, general contract 2 story, basement, 50 x 100 ft., brick, steel, plain found., for Adoniram Lodge F. & A.M. 237, 16 Riverside Ave. $150,000. Noted Nov. 8.

N. J., Newark—APARTMENT—S. Cohen, archt., 130 Branford Pl., Newark, taking bids altering and constructing 4 story, basement, 50 x 100 ft., brick, steel addition, plain found., 66 North 9th St., for R. Sulkasky, c/o architect.

N. J., Newark—ARMORY—Nov. 16, by Comrs. Institutions & Agencies, State Office Bldg., Trenton, taking bids altering and constructing 4 story, basement, 100 x 232 ft., brick, steel addition to 102nd Cavalry Armory, plain found., Roseville Ave. $150,000. M. N. Shoemaker, 15 Central Ave., archt. Noted Nov. 1.

N. J., Newark—WAREHOUSE—Fletcher Thompson, Inc., archt., 542 Fairfield Ave., Bridgeport, Conn., taking bids 4 story, basement, 50 x 100 ft., brick, steel, rein.-con., plain found., Wallace Pl., for Roseville Storage Co., 24 Cabinet St. Est. $150,000.

N. J., North Bergen (Ind. br. West New York) — APARTMENT — See "Contracts Awarded."

N. J., North Plainfield (mail Plainfield) —APARTMENT and STORE—See "Contracts Awarded."

N. J., Westwood — APARTMENT — See "Contracts Awarded."

Md., Baltimore—HOSPITAL—Nov. 22, by J. E. Sperry, archt., Calvert Bldg., 4 story, irregular shaped, concrete, brick, 139-43 Mosher St., for Hospital for Women of Maryland. H. F. Doeleman, 516 North Charles St., engr.

D. C., Wash. — APARTMENT — E. M. Willis, 927 15th St., bids about Nov. 19, apartment, 1st St. N. W. $250,000. G. T. Santmyer, 917 15th St. N. W., archt.

D. C., Wash.—APARTMENT and STORE —M. Gorim, 1104 Vermont Ave. N. W., taking bids sub-contracts apartment and store, 2nd and Massachusetts Aves. N. E. $300,000. H. H. Warwick, 1104 Vermont Ave. N. W., archt.

D. C., Wash. — STORE — Nov. 20, by W. H. Cookhan, archt., Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., general contract stores, Water St. from 12th to 14th Sts. S. W., for Potomac Freight Terminal Co., 4½ and D Sts. S. W. A. P. Clark, Jr., 816 14th St. N. W., consult. archt. Noted Nov. 8.

Miss., Sanatorium — SANITORIUM — Nov. 22, by Mississippi Building Comn., State House, Jackson, W. C. Trotter, secy., additions, incl. two 1 story buildings, 5 or more residences, dairy barn, poultry houses, landscape work, repairing administration building incinerator, and sprinkler system. $330,000. B. Price, 1420 Comer Bldg., Birmingham, Ala., archt.

Ind., Indianapolis — SALESROOM and GARAGE — Chevrolet Motor Co., 3044 Grand Blvd., Detroit, Mich., taking bids 2 story, basement, 75 x 130 ft., brick, steel, 34th and Illinois Sts. $150,000. Private plans. Jones-Whitaker Co., 345 North Capital Ave., lessee.

Ill., Chicago—APARTMENT—Rissman & Hirschfeld, archts., 228 North La Salle St., taking bids 8 story, basement, 50 x 130 ft., rein.-con., brick, terra cotta, Jackson Blvd. and Hamlin Ave., for Syndicate, c/o architects.

Ill., Chicago — APARTMENT HOTEL — C. W. Lampe & Co., archts., 155 North Clark St., taking bids 8 story, 80 x 150 ft., brick, stone, glassed in roof, Austin Ave. and Midway Park Blvd., for F. Crowley, c/o architect. Est. $500,000.

Wis., Milwaukee—OFFICE—Nov. 20, by Holabird & Root, archts., 333 North Michigan Ave., Chicago, Ill., 5 story, 120 x 120 ft., rein.-con., brick, plain found., Jackson Ave., for Northwestern Natl. Insurance Co., 168 East Wisconsin Ave.

Wis., Rhinelander — HOTEL — R. W. Ermeling, archt., 58 East Washington St., Chicago, Ill., bids about Nov. 20, 1 story (ultimately 3 story), basement, 135 x 135 ft., rein.-con., timber, for L. B. Broadbridge, 1001 East Jefferson St., Detroit, Mich. $200,000. Noted Oct. 11.

Tex., San Antonio—BANK—Groos Natl. Bank, c/o F. Groos, pres., Commerce and Navarro Sts., taking bids and opens same about Nov. 24, 2 story (ultimately 12 story), 65 x 86 ft., brick, stone, steel, rein.-con., plain found., Commerce and Navarro Sts. $175,000. H. T. Phelps, Hicks Bldg., archt. Stile-Berretta Natl. Bank of Commerce Bldg., engrs. Noted Oct. 18.

Wash., Everett — CITY HALL — A. H. Albertson, archt., Henry Bldg., bids about Jan. 5, 2 story, basement, 105 x 115 ft., fireproof, Wetmore and Wall Sts. for City $225,000. Noted Oct. 4.

Ore., Portland—APARTMENT—E. E. Feig, archt., Western Bond & Mortgage Co. Bldg., bids about Nov. 28, 4 story, basement, 93 x 139 ft., rein.-con., timber, plain found., 24th and Weidler Sts., for G. R. Bennett, Portland. $175,000.

Contracts Awarded

Mass., Allston (sta. Boston) — APARTMENTS—Colonial Realty Trust, 1800 Commonwealth Ave., two 5 story, basement, irregular sized, brick, stone, plain founds., 1687-1691 Commonwealth Ave., separate contracts. $150,000 each. S. E. Moffie, 51 Cornhill, Boston, archts.

Mass., Groton — WAREHOUSE—Groton Leatherboard Co., Groton, 2 story, 60 x 200 ft., brick, steel, rein.-con. additional unit, plain found., to Fiske-Carter Constr. Co., 11 Foster St., Worcester. Est. $150,000.

Mass., Jamaica Plain (sta. Boston) — APARTMENTS—W. T. Murray & J. H. Kurman, 46 Almont St., Dorchseter, two 4 story, basement, 15,000 sq.ft. per floor space, to J. S. Resnick, 19 Stratton St., Dorchester. Est. $300,000. Noted Nov. 8.

Mass., Lynn—APARTMENT—A. D. Hosford, 14 Central Ave., 3 story, basement, 90 x 160 ft., brick, stone, plain found., day labor. $160,000. M. Louis, 73 Cornhill, Boston, archt.

Mass., Roslindale (sta. Boston)—BANK —Suffolk Savings Bank, 1 Tremont St., Boston, altering and constructing 4 story, basement, brick, rein.-con., steel addition, plain found., 734 South St., to J. M. Hartwell, 46 Cornhill, Boston. Est. $150,000. Noted Nov. 1.

Mass., Roxbury (sta. Boston)—APARTMENT—D. Finkel, 88 Hazleton St., Mattapan, 3 story, basement, 70 x 125 ft., brick, plain found., Harold St., separate contracts. $155,000. Winebaum & Wexler, 73 Cornhill, Boston, archts.

Conn., Hartford—STORE and OFFICE—Central Co., S. Elsner, 75 Pearl St., 6 story, brick, steel addition, to M. A. Connor Co., 561 Main St. Est. $165,000.

Conn., New Haven—STORE—Schulte United Inc., 485 5th Ave., New York, 3 story, basement, brick, steel, Chapel St. to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Est. $150,000.

N. Y., Brooklyn—APARTMENT—Corporation, c/o A. Weissberg, 148 West 37th St., New York, apartment, Brightwater Court and Darby St., to Balweis Constr. Corp., 148 West 37th St., New York. Est. $180,000.

N. Y., Brooklyn—APARTMENT—Corporation, c/o H. Sugarman, 16 Court St., 6 story, 100 x 140 ft., brick, steel, Colonial Rd. and Mackay Pl., to Sudia Building Corp., 16 Court St. Est. $250,000. Noted Oct. 18.

N. Y., Brooklyn — APARTMENT — Iba Bros. Inc., 148 75th St., 6 story apartment, 4th Ave. and 62nd St., separate contracts. $500,000. Lang & Rosenberg, 1440 Bway., New York, archts.

N. Y., Brooklyn — APARTMENT — One Hundred Thirty-Five Ocean Ave. Corp., 191 Joralemon St., apartment, separate contracts. $350,000. B. W. Dorfman, 66 Court St., archt. Noted Oct. 18.

N. Y., New York — APARTMENTS — Chateau Apartments, Inc., H. B. Spier, pres., two 6 story, 54 x 154 ft., brick, timber, 231st St. and Palisade Ave., separate contracts. $400,000. G. and E. Blum, 415 Lexington Ave., archts. Noted Nov. 1.

N. Y., New York — APARTMENT — P. Aginsky, 20 Featherbed Lane, 6 story, 90 x 100 ft., brick, timber, separate contracts. $300,000. H. I. Feldman, 415 Lexington Ave., archt. Owner taking bids. Noted Nov. 1.

N. Y., New York—APARTMENTS—Del Balso Bros., Inc., 1933 West Farms Rd., two 4 story, 50 x 87 ft. apartments, separate contracts. $150,000. C. Kreymborg, 2534 Marion Ave., archt. Noted Nov. 1.

N. Y., New York—APARTMENT—Herco Realty Corp., S. A. Herzog, pres., 299 Madison Ave., 9 story, 52 x 85 ft. apartment, separate contracts. $200,000. Schwartz & Gross, 347 5th Ave., archt. Noted Nov. 1.

N. Y., New York—APARTMENT—J. J. Lavender, 838 Courtland Ave., 6 story, 87 x 166 ft., brick, timber, Stratford Ave. and 174th St., to Jador Constr. Co., 838 Courtland Ave. Est. $300,000. Contractor taking bids on separate contracts. Noted Nov. 1.

N. Y., New York—APARTMENT—Lynbrook Investment Corp., J. Perlbinder, pres., 332 East 149th St., 6 story, 161 x 284 ft. apartment, separate contracts. $750,000. Franklin, Bates & Heidsmann, 2526 Webster Ave., archts. Noted Nov. 1.

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Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—Malex Realty Corp., M. D. Greshut, pres., 522 5th Ave., 16 story, 100 x 100 ft., brick, steel, to H. R. H. Constr. Corp., 9 East 40th St. Est. $1,000,000. Contractor taking bids on separate contracts. Noted Nov. 1.

N. Y., New York — APARTMENT — S. Panzer, 127 West 170th St. 5 story, 77 x 100 ft., brick, timber, to Iramor Constr. Corp., 127 West 170th St. Est. $150,000. Contractor taking bids on separate contracts. Noted Nov. 1.

N. Y., New York — APARTMENT — C. Rosenberg, 3150 Rochembeau Ave., 6 story apartment, 205th St. and Parkside Ave., to C. R. & S. Constr. Corp., 3150 Rochembeau Ave. Est. $375,000. Contractor taking bids on sub-contracts.

N. Y., New York—APARTMENT—G. Silverman, 652 East 180th St., 6 story, 90 x 120 ft. apartment, separate contracts. $250,000. F. J. Ross, 4200 White Plains Ave., archt. Noted Nov. 1.

N. Y., Sunnyside (mail Long Island City) —APARTMENT—Harfin Homes Corp., 45 West 45th St., New York, 6 story, 90 x 95 ft., 43rd Ave. and 43rd St., separate contracts. $210,000. D. J. Cohan, c/o owner, archt. Noted Nov. 1.

N. J., Asbury Park — APARTMENT — C. E. Van Wickle, 501 Grand Ave., general contract 11 story, basement, 100 x 100 ft., rein.-con., brick, steel, plain found., 4th and Grand Aves., to I. R. Taylor & Co., 906 Asbury Ave. Est. $500,000. Noted Nov. 8.

N. J., Atlantic City — HOTEL — Seaside Hotel, c/o Cook & Blount, archts., 415 Lexington Ave., New York, general contract 10 story, basement, brick, steel, plain found., to J. Mathis & Son, Guarantee Trust Bldg., Atlantic City. Est. $350,000.

N. J., Bayonne — APARTMENT — J. Golush, 154 Avenue B, 4 story, basement, 75 x 100 ft., brick, steel, plain found., 92-4 West 34th St., separate contracts. $150,000. C. I. Goldberg, 437 Bway., archt. Noted Nov. 8.

N. J., East Orange—APARTMENT—Max Sam Investment Co., 109 Hillside Ave., Newark, 4 story, basement, 70 x 200 ft., brick, steel, plain found., 174 North Grove St., separate contracts. $175,000. S. Cohen, 130 Branford Pl., Newark, archt.

N. J., East Orange—APARTMENT—H. Thomas, 101 North Grove St., 4 story, basement, 120 x 172 ft., brick, steel, plain found. separate contracts. $220,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted Nov. 8.

N. J., East Orange—BANK and OFFICE —East Orange Trust Co., 339 Main St., general contract 2 story, basement, brick, steel, plain found., North Arlington Ave. and Arlington Plaza, to W. G. Sharwell & Co., 377 North 5th St., Newark. Est. $150,000. Noted Oct. 4.

N. J., Jersey City—APARTMENT—Advance Development Corp., 63 Greenville Ave., 4 story, basement, 40 x 146 ft., brick, steel, plain found., 149 Bentley Ave., separate contracts. $150,000. C. I. Goldberg, 437 Bway., Bayonne, archt.

N. J., Newark—OFFICE and STORE—K. Mayzil, 24 East Park St., 3 story, basement, 100 x 115 ft., brick, rein.-con., plain found., 269-77 Plane St., separate contracts. $150,000. Private plans. Noted Nov. 8.

N. J., North Bergen (Ind. br. West New York)—APARTMENT—J. Alessi, 25 Broad Ave., Palisades Park, 4 story, basement, brick, steel, plain found., 1193-95 4th Ave., separate contracts. $150,000. G. Willaredt, 25 Broad St., Palisades Park, archt.

N. J., North Plainfield (mail Plainfield)—APARTMENT and STORE—E. Foley, 112 Hillside Ave., Newark, 4 story, basement, 100 x 128 ft., brick, steel, plain found., separate contracts. $150,000. Noted Sept. 6.

N. J., Plainfield — STORE — Montgomery Ward Co., 1000 South Monroe St., Baltimore, Md., general contract 2 story, basement, 50 x 200 ft., brick, steel, plain found., West Front St. between Park and Central Sts., to C. C. Gordon, 437 North Ave., Westfield. Est. $150,000. Noted Nov. 1.

N. J., Spring Lake — HOTEL — Hotel Shoreman, Monmouth Ave., general contract 3 story, basement, brick, steel, plain found., Monmouth Ave., to H. F. Pierce, 519 6th Ave., Belmar. Est. $150,000.

N. J., Westwood—APARTMENT—Fairview & Jefferson Corp., c/o Berlinger & Kaufman, 66 5th Ave., New York, 3 story, basement, 70 x 115 ft., brick, steel, plain found., Jefferson and Fairview Aves., separate contracts. $150,000.

Pa., Bristol—STORE—M. J. Hill, 2 story, basement, 40 x 191 ft., brick, steel, plain found., to Guarantee Realty Constr. Co., 2524 East Girard Ave., Phila. Est. $150,000. Montgomery Ward Co., Chicago Ave. and Larr St., lessee.

Pa., Phila. — APARTMENT — Sherwood Corp., 228 South 40th St., 4 story, basement, 44 x 107 ft., brick, steel, plain found., 6312 Sherwood Rd., to S. Silverman, 228 South 40th St. Est. $150,000.

Pa., Phila. — APARTMENT — Zarch & Fisher, Real Estate Trust Bldg., 4 story, basement, 86 x 152 ft., brick, steel, plain found., 60th and Baltimore Sts. separate contracts. $150,000. J. E. Fieldstein, 112 South 16th St., archt.

Pa., Pittsburgh—APARTMENT—Arlington Apartments, Inc., c/o P. M. Julian, archt., 817 15th St. N. W., Wash., D. C., general contract 10 story, basement, brick, steel, Aiken Ave., to Sumner Sollitt Co., 307 North Michigan Ave., Chicago, Ill. Est. $2,000,000.

Md., Baltimore—Palmer & Lamdin, archts., 513 North Charles St., 2 story, basement, 103 x 144 ft., rein.-con., brick Y. M. C. A. building to M. A. Long Co., Long Bldg., for John Hopkins University. $150,000. Noted Oct. 11.

Tenn., Chattanooga—APARTMENT—A. A. Dragoo, Hamilton Bank Bldg., 3 story, basement, 80 x 200 ft., brick, steel, stone, 5th and Lindsley Sts. Owner builds. $200,000.

Ky., Louisville—HOSPITAL—A. Loomis, archt., Todd Bldg., remodeling and constructing additions, 4 story in rear 3 story in front 37 x 90 ft. new wing, power and laundry facilities, to H. A. Doll & Co., 1114 Lexington Rd. Est. $150,000. Noted Oct. 4.

O., Cleveland—APARTMENT—C. Bernstein, 815 Swetland Bldg., 3 story, basement, 91 x 103 ft., brick, 2834 East 132nd St., to W. Dolin Constr. Co., 804 Swetland Bldg. Est. $150,000.

O., Columbus—CENTRAL POLICE STATION—City, 5 story, basement, concrete, brick, steel, to Boyajohn & Barr, 299 South Park St. Est. $650,000. Noted Oct. 25.

O., Dayton—MEDICAL CLINIC—Dayton Clinic, Inc., c/o A. R. Arn, Fidelity Medical Bldg., 2 story, 52 x 78 ft., to Industrial Building Co., Reibold Bldg., $150,000. Noted Oct. 25.

O., Shaker Heights (br. Cleveland)—STORE and COMMERCIAL—Lee-Kinsman Co., W. E. Newcomb, pres., 1532 B. F. Keith Bldg., Cleveland, 2 story, basement, 90 x 130 ft., brick, steel, Lee and Kinsman Rd., to Louis Luxenberg, 22044 Lake Shore Blvd., Cleveland. Est. $150,000.

O., Washington C. H.—THEATRE—J. G. Gregory, Springfield, 3 story, basement, 87 x 166 ft., concrete, brick, steel, Fayette St., to Mid-West Eng. & Constr. Co., 209 South 3rd St., Columbus, $150,000.

O., Youngstown—CLUB HOUES—Tippecanoe Country Club, 2 story, basement, Meridan Rd. to Hohloch Constr. Co., Federal Bldg., $150,000.

Ind., Indianapolis—APARTMENT—W. T. Ayers, 3835 East Washington St., general contract 2 story, basement, brick, steel, 4802 East Washington St., to E. M. Bundy, 2160 Ashland Ave. Est. $150,000.

Ind., Indianapolis — AUTOMOBILE — Argonaut Realty Co., General Motors Bldg., Detroit, Mich., general contract 2 story, basement, 120 x 232 x 267 ft., rein.-con., brick, West Pratt St. and Cleveland, Cincinnati, Chicago & St. Louis R.R., to General Builders Co., General Motors Bldg., Detroit, Mich. Est. $200,000.

Ill., Aurora—STORE and OFFICE—Graven & Mayger, archts., 100 North La Salle St., Chicago, general contract 2 story, basement, 100 x 180 ft., store and office building, to W. H. Graham, Graham Bldg., for J. Sherer. Est. $150,000. Noted Sept. 20.

Ill., Chicago—APARTMENT—L. S. Drive Corp., c/o R. S. De Goyler, archt., 307 North Michigan Ave., general contract 27 story, basement, 61 x 90 ft., 1242-44 Lake Shore Dr., to Turner Constr. Co., 228 North La Salle St. Est. $1,500,000. Noted Aug. 23.

Ill., Chicago — APARTMENT — A. L. Himmelblau (owner and archt.), 30 North Dearborn St., masonry and carpentry contract (1st unit) 3 story, 150 x 184 ft., brick, 3701-23 Arthington Ave., to Douglas Constr. Co., 134 North La Salle St. Est. $270,000. Noted Oct. 18.

Ill., Chicago — APARTMENTS — Julius Rosenwald, 4901 Ellis Ave., general contract group 5 story, basement, covering entire block, to B-W Constr. Co., 720 Cass St. Est. $2,750,000. Noted July 19.

Ill., Chicago — APARTMENT — P. F. Olsen, archt., 720 Cass St., masonry contract 7 story, rein.-con., brick to A. E. Anderson, 228 North La Salle St., for S. D. Goldberg, 6737 Jeffrey Ave. Est. $300,000. Noted Oct. 18.

Ill., Chicago — APARTMENT — W. M. Pearson, archt., 7912 East End Ave., masonry contract 6 story, brick, 6751 Jeffrey Ave., to A. E. Anderson, 228 North La Salle St.; carpentry, to Economy Builders, 6407 South Park Ave., for A. M. Turner, 6751 Jeffrey Ave. Est. $175,000.

Ill., Chicago — APARTMENT — J. H. Schwimmer, 4351 Diversey Ave., general contract 3 story, 90 x 231 ft., George St. and Kolmar Blvd., to Bell Constr. Co., 4353 Diversey Ave.; plumbing, to C. R. Ewing, Jr., 4382 Elston Ave.; heating, to A. Eichel, 1905 Milwaukee Ave. Est. $240,000.

Ill., Chicago—OFFICE and GARAGE—A. S. Alschuler, Inc., archts., 28 East Jackson Blvd., general contract 19 story, basement, 120 x 173 ft., for H. W. Rubloff, 10 South La Salle St., to H. Ericsson Co., 228 North La Salle St.; pile foundations, to Paschen Bros., 111 West Washington St. Est. $2,100,000. Noted Oct. 4.

Ia., Davenport — COMMERCIAL—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., three 1 story buildings, one 90 x 520 ft., one 160 x 320 ft., other 40 x 120 ft., concrete, brick, steel, to Priester Constr. Co., Kahl Bldg. Est. $260,000.

Mo., St. Louis—MORTUARY—Zeigenhein Bros. L. & U. Co., 2623 Cherokee St., 2 story, basement, rein.-con., brick, stone, terra cotta, South Kingshighway, to Kellermann Contg. Co., Victoria Bldg. Est. $200,000.

Tex., Houston — EXCHANGE — Southwestern Bell Telephone Co., 11th and Pine Sts., 4 story, 71 x 125 ft., rein.-con., steel, stone top addition, to Standard Constr. Co., 523 Esperson Bldg. Noted Oct. 4. Plumbing and heating, to Warren-Shivers, 305 Hagerman St.

Tex., Houston — STORE — J. H. Jones, Bankers Mortgage Bldg., 6 story, 126 x 150 ft. store, to Southwestern Constr. Co., West Bldg., $500,000. Noted Oct. 18 under "Office."

Tex., Slayton — HOSPITAL — Sisters of Mercy St. Joseph's Catholic Church, c/o T. D. O'Brien, pastor, 2 story, basement, brick, rein.-con., to Brennan Co., Amarillo, $150,000.

Wash., Port Townsend — APARTMENT HOTEL and STORE—J. Hudson, Empire Bldg., Seattle, remodeling brick, stone building, for 200-room apartment hotel, Water St. $200,000. Owner builds.

Calif., Los Angeles — APARTMENT — Owner, c/o H. T. Miller & A. Sullivan, archts., 5300 Wilshire Blvd., 4 story, basement, 77 x 141 ft., brick, stone, 2nd and Bonnie Brae Sts., to B. Donner, 426 Merchants Natl. Bank Bldg. Est. $175,000.

Calif., Los Angeles—HOSPITAL—Orthopaedic Hospital, 3 story, basement, 113 ft. x 156 ft., rein.-con., timber, tile, incl. auditorium offices, kitchens, pools, 2-story tower, treatment rooms, 2400 South Flower St., to Richards-Neustadt Constr. Co., 117 West 9th St., $285,000. Noted May 24.

Calif., Los Angeles—STORE and LOFT—W. B. Hess & Co., Merchants Natl. Bank Bldg., 8 story, basement, 50 x 150 ft., steel, 1022 Santee St., to P. A. Palmer, Insurance Exch. Bldg., $150,000. Noted May 10.

Calif., Oakland — APARTMENT — H. G. Hill, 869 Trestle Glen Rd., 3 story, basement, timber, plaster, Glen Ave. near Linda Ave., to H. E. Tweed, 81 Glen Ave., $150,000.

Calif., Oroville—LODGE—B. P. O. E., 3 story, basement, 100 x 120 ft., Class "A" construction, to C. S. Mabrey, 4th and J Sts., Sacramento, $165,000. Noted Aug. 30.

Calif., Sacramento—MARKET—E. Wahl & E. Pease, 1103 Alhambra Blvd., (1st unit) 2 story, basement, 100 x 120 ft., brick, steel, rein.-con., to J. Ransdall, 1055 41st St., $50,000. Noted Aug. 23.

Calif., San Francisco—APARTMENT—H. C. Bauman, archt., 251 Kearny St., 23 story, basement, Class "A," to D. Paganini, Clunie Bldg., for Bellaire Building, Inc., Crocker 1st Natl. Bank Bldg. $700,000. Noted Aug. 16.

Calif., San Francisco—APARTMENT—V. Bjors, 695 3rd Ave., 6 story, basement, steel, concrete, Vallejo St. near Octavia St. $175,000. Owner builds. H. C. Baumann, 231 Kearney St., archt.

Calif., San Francisco—APARTMENTS—Ridgeway Investment Co., 251 Kearny St., two 5 story, basement, rein.-con., steel, Broadway near Octavia St., to Monson Bros., 475 6th St., $500,000. Noted Oct. 4.

Calif., Willows—STORE and APARTMENT—W. M. Kirpatrick, 3 story, frame, stucco, Butte and Walnut Sts., to C. S. Mabrey, 4th and J Sts., Sacramento, $150,000.

Ont., Brantford — APARTMENT — Atlas Finance & Development Co., 1126 Bay St., general contract 6 story, basement, 50 x 120 ft., rein.-con., brick, steel, stone, plain found., to J. L. Young, 48 Ontario St., Stratford. Est. $250,000. Noted Apr. 26.

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Buildings—Commercial (Continued)

Ont., Niagara Falls — HOTEL — General Brock Co. Ltd., general contract 10 story, basement, 50 x 200 ft., rein.-con., brick, steel, stone, plain found., to Pigott Constr. Co. Ltd., 4 Hughson St. S., Hamilton. Est. $1,000,000.

Ont., Sarnia—HOSPITAL—General Hospital Bd., George and Milton Sts., general contract 4 story, basement, 41 x 118 ft., rein.-con., brick, steel, stone addition, plain found., to N. R. Ibbetson, 308 Victoria Rd., Walkerville; structural steel, to Sarnia Bridge Co., 251 Campbell St.; millwork, to Laidlaw-Belton Lumber Co., Devine St. Est. $150,000. Noted Sept. 6.

Ont., Toronto — APARTMENT — E. R. Hoare, 53 Cheritan Ave., carpentry contract for 3 story, basement, brick, steel, stone, Oakwood Ave., to King Bros., 6 Neville Park Blvd.; masonry, to W. H. Snell, 442 Merton St. Est. $150,000.

Ont., Toronto—APARTMENT—J. Evans, 30 Scollard St., excavation for 2 story, basement, rein.-con., brick, steel, plain found., Eglinton Ave., to Orsini & Co., 62 Raglan Ave.; carpentry, to Page & Padgett, 112 Chisholm Ave.; masonry, to Proctor & Lee, 458 Margueretta St. Est. $150,000.

Ont., Toronto — APARTMENTS — H. Davidson Excelsior Life Bldg., masonry contract two 2 story, basement, 119 x 120 ft., rein.-con., brick, stone, plain founds., to W. Pugh, 1262 Broadview Ave. Est. $500,000. Noted Oct. 25.

Ont., Toronto — GARAGE — L. A. De Laplante, 640 Bay St., general contract 6 story, basement, 84 x 150 ft., rein.-con., brick, steel, stone, to Thomson Bros., 56 Grenville St.; mastic flooring, to Vulcan Asphalt & Supply Co., 2258, Bloor St. W.; sheet metal, steel sash and kalamein doors, to A. B. Ormsby Co., 18 Van Horne St. Est $200,000. Noted Oct. 25.

Ont., Toronto—GARAGE—Hyslop Bros., 12 Shuter St., 5 story, basement, 87 x 157 ft., rein.-con., brick, steel, plain found., Bay and St. Albans Sts., to H. A. Wickett & Co., 156 Front St. E. Est. $200,000.

Ont., Toronto — LOFT and OFFICE — Wellington Building Corp., 84 Hilton Ave., general contract 11 story, basement, rein.-con., brick, steel, plain found., to Lumsden Eng. & Transport Co., Lumsden Bldg.; plumbing, heating, ventilating and sprinklers, to Bennett & Wright, 72 Queen St. W. Noted Aug. 30.

Ont., Toronto—THEATRE—B. Grant, 46 Woodycrest Ave., excavation for 2 story, basement, 40 x 100 ft., rein.-con., brick, steel, plain found., Cakwood Ave., to Bonvivere Constr. Co., Confederation Life Bldg.; masonry contract, to G. Robinson, 255 Donlands Ave. Est. $150,000.

Ont., Windsor — MAUSOLEUM — Green Lawn Memorial Park Co., 201 Davis Blk., 1,000 crypt mausoleum, concrete, Indiana limestone, marble, steel, to Canada Mausoleums Ltd., 1509 Metropolitan Bldg., Toronto. Est. $250,000.

Buildings—Educational, Religious

Proposed Work

Me., Lewiston — CATHEDRAL — St. Peters & St. Pauls Cathedral, Lewiston, sketches by O'Connell & Shaw, 134 Newbury St., Boston, Mass., Cathedral, Bartlett St. $500,000.

Me., Rockland — HIGH SCHOOL — City sketches by Bunker & Savage, 256 Water St., Augusta, altering and constructing 2 story, basement, 8 room brick addition, plain found. $150,000.

Mass., Boston — LIBRARY — Boston Medical Library & Massachusetts School, Fenway, sketches by Bigelow, Wadsworth, Hubbard & Smith, 11 Beacon St., medical library addition, Fenway. $300,000 funds being raised for same.

Mass., Boston — MUSEUM — Boston Society of Natural History, C. A. Taylor, pres., 234 Berkley St., sketches by W. T. Aldrich, 30 Newbury St., altering 3 story, basement, brick, Berkeley St. To exceed $150,000.

Mass., Brookline (br. Boston)—SCHOOL —Congregation Kehillath Israel, L. M. Epstei, rabbi, 384 Harvard St., sketches by Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, 2 story, basement, brick, stone, plain found., Harvard St. $150,000.

Mass., Cambridge (br. Boston)—BIOLOGICAL INSTITUTION—Harvard College sketches by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, 3 story, basement, brick, stone, Oxford St. $1,500,000.

Mass., Concord—SCHOOL—R. C. Fenn, Middlesex School, sketches by W. S. Kussin, 1 Beacon St., Boston, private school Monument St. and Carr Rd. $150,000. Noted Nov. 1.

Mass., Melrose (Ind. br. Boston) — SCHOOL — City, H. H. Stuart, supt. schools, City Hall, soon takes bids 2 story, basement, 60 x 100 ft., brick, plain found., incl. auditorium, Lincoln St. $150,000. C. R. Greco, 11 Beacon St., Boston, archt. Noted Aug. 2.

Mass., New Bedford—CHURCH—Sacred Heart Roman Catholic Parish, O. Velois, pastor, 367 Summer St., 1 story, basement, probably brick, stone. $150,000. Engineer and architect not selected.

R. I., Cranston (mail Providence) — SCHOOL — City, Com. on City Property, plans by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story, basement, brick, stone, plain found., 1st and 2nd Aves. $150,000.

R. I., East Providence (br. Providence)—HIGH SCHOOL — Town, W. E. Smyth, sketches by W. R. Walker & Son, 49 Weybosset St., Providence, Junior High School, 2 story, basement, brick, stone, plain found., Riverside Sect. $150,000 or more. Noted Aug. 23.

R. I., Providence — SCHOOL — City, Schoolhouse Dpt., sketches by I. J. H. Pierce, City Hall, altering and constructing 2 story, basement, brick, stone addition, plain found., Nelson St. $150,000.

Conn., New London — ADMINISTRATION — Connecticut College for Women, Mohegan Ave., brick, stone administration building. $250,000. Engineer and architect not selected.

N. Y., Geneseo—SCHOOL—Geneseo State Normal School plans by W. E. Haugaard, state archt., Capitol, Albany, school, Wadsworth St. $375,000. J. M. Platt, Cutler Bldg., Rochester, assoc. archt.

N. Y., Syracuse — CHAPEL — Syracuse University, C. W. Flint, city chancellor, soon lets contract Hendricks Memorial Chapel, on campus. $500,000. D. J. Baum, Spuyten Duyvil Parkway, New York, archt.

N. J., Bloomfield — VOCATIONAL SCHOOL—Essex Co. Vocational Bd. Educ., 969 Broad St., Newark, plans by Guilbert & Betelle, 20 Branford Pl., Newark, 3 story, basement, brick, steel, plain found. $150,000. Noted Nov. 1.

N. J., Browns Mills — SCHOOL — Bd. Educ., Pemberton, sketches by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000.

N. J., East Orange—HIGH SCHOOL—Bd. Educ., 19 Winas St., Junior High School, 2 story, basement, brick, steel, plain found., $250,000. Engineer and architect not selected.

N. J., Irvington (br. Newark)—SCHOOL —Bd. Educ., 1253 Clinton Ave., 2 story, basement, brick, steel, plain found. $250,000. Engineer and architect not selected.

N. J., Jersey City—SCHOOL—Bd. Educ., Harrison Ave., revised sketches by J. T. Rowland, 30 Journal St., 3 story, basement, brick, steel, plain found., Van Horne St. $1,000,000. Former bids rejected.

N. J., Lyndhurst (Ind. br. Rutherford)—CHURCH—Lyndhurst Methodist Church, c/o Lucht & Anderson, archts., 432 Palisade Ave., Cliffside, altering and constructing 2 story, basement, 100 x 100 ft., brick, steel addition, plain found. $150,000.

N. J., Morristown—SCHOOL—Bd. Educ., 50 Early St., plans by C. Voorhees, Schuyler Pl., 2 story, basement, brick, steel, plain found. $150,000.

N. J., South Orange — SCHOOL — Bd. Educ., South Orange and Maplewood School Dists., Parker Ave., Maplewood, plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel addition, plain found. $150,000.

N. J., South Plainfield—HIGH SCHOOL —Bd. Educ., Boro Hall, Junior High School, 2 story, basement, brick, steel, plain found. $250,000. Engineer and architect not selected.

D. C., Wash.—SCHOOL—Cwner, c/o B. F. Moore, archts., Colorado Bldg., parochial school, convent and community center, 14th and G Sts. $350,000. Noted Mar. 29.

N. C., Greensboro — CHURCH — Park Place Methodist Church, Greensboro, plans by H. Barton, Greensboro, church, North Elm St. $150,000.

Miss., Oxford—CAFETERIA, etc.—University of Mississippi, c/o Mississippi State Building Comn., Jackson, plans by F. P. Gates Co., Edwards Hotel Bldg., Jackson, 2 story, 70 x 220 ft., cafeteria, 1 story, 40 x 87 ft. field house, 1 story, 14 x 14 ft. pump house, brick, cut or cast stone, concrete.

Ky., Bowling Green — EDUCATIONAL MUSEUM — Western State Teachers College sketches Kentucky Building, 3 story, part basement, 50 x 184 ft., on campus. $300,000.

O., Dayton—CHURCH—Bd. Directors Raper Methodist Episcopal Church, c/o N. E. Butler, 332 Volusia Ave., Oakwood, 2 story church in Oakwood. $225,000. Engineer and architect not selected.

O., Navarre—SCHOOL—Bd. Educ. soon takes bids 2 story, basement, school containing combination gymnasium and auditorium. $150,000.

Mich., Dearborn — MUSEUM — H. Ford plans by R. O. Derrick, Capitol Theatre Bldg., Detroit, 2 story, irregular shaped, rein.-con., brick, steel, stone, plain found., Michigan Ave. $500,000.

Mich., Grosse Pointe (br. Detroit)—NURSES HOME—Cottage Hospital, M. W. Sales, pres., Mapleton and Kercheval Aves., 2 story, basement, rein.-con., brick, steel, plain found., Ridge Rd. $150,000. Engineer and architect not selected.

Ill., Champaign—CHURCH—Holmes & Flynn, archts., 8 South Dearborn St., Chicago, soon takes bids 2 story, brick, 400 East Daniel St., for McKinley Foundation Congregation, 412 East Daniel St. $200,000.

Minn., Virginia—HIGH SCHOOL—Secretary Bd. Educ., rejected bids Oct. 25, Junior High School, 2 story, basement, 150 x 279 ft., rein.-con., brick 4th St. $750,000. Will readvertise. Noted Oct. 4.

Mo., St. Louis—CHURCH—Third Baptist Congregation, Grand and Washington Blvds., plans by L. B. Pendleton, 119 North 7th St., rein.-con., brick, stone, Grand and Washington Blvds. $500,000.

Mo., St. Louis — SCHOOL — Mary Institute, Lake and Waterman Aves., bids in 1929, (1st unit) 2 story, basement, rein.-con., brick, stone, Warson and Ladue Rds., west of here. $500,000. Total $1,000,000. Study & Farrar, 1363 Arcade Bldg., archts. Noted Aug. 16.

Tex., Donna — HIGH SCHOOL — Bd. Educ., bids in December, 2 story, irregular sized, brick, rein.-con., 25,000 sq.ft. floor space, incl. 1,000 seating capacity auditorium, library. $150,000. Phelps & Dewees, c/o Gunter Bldg., San Antonio, archts. Noted Sept. 6.

Nev., Reno — PHYSICS — University of Nevada plans by F. J. DeLongchamps, Gazette Bldg., 2 story, basement, 80 x 170 ft., fireproof, on campus. $325,000.

Calif., Beverly Hills—SCHOOL—Beverly Hills Grammar School Dist. plans by R. S. Price, Heegard Bldg., 180 x 210 ft., rein.-con., cast stone, stucco, Tatum Tract.

Ont., Brockville — HIGH SCHOOL — School Bd. soon takes bids high school. $150,000.

Ont., Port Hope — COLLEGE — Trinity College School plans by Darling & Parson, 2 Leader Lane, Toronto, 2 and 3 story, basement, rein.-con., brick, steel, stone, plain found. $350,000. Noted Mar. 15.

Ont., Toronto—EXHIBITION—Canadian Natl. Exhibition, Lumsden Bldg., competitive plans by local architects, concrete, brick, steel, 120,000 sq.ft. display space, Exhibition Park. $1,000,000. Noted Nov. 1.

B. C., Victoria—NURSES HOME—Royal Jubilee Hospital sketches by C. E. Watkins, Green Blk., rein.-con. brick, plain found., hospital grounds. $150,000.

Bids Desired

Mass., Waltham (Ind. br. Boston)—COLLEGE—See "Contracts Awarded."

Mass., Westfield—HIGH SCHOOL—Nov. 22, by City, School Com., 3 story, 175 x 214 ft., brick, steel, stone, Chauncy Allen Park. $500,000. M. R. Harding, 6 Main St., archt. R. M. Sizer, 12 Elm St., Pittsfield, engr. Noted July 26.

N. Y., Brooklyn—SCHOOL—Nov. 26, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., P. S. 235, Lenox Rd., Clarkson Ave., East 39th and 40th Sts.; P. S. 233, Avenue B, from East 93rd and 94th Sts., for Bd. Educ., 500 Park Ave., New York. Noted Nov. 1 and 8.

N. Y., Islip—WARD—Dec. 5 (extended date), by Commissioner Dpt. Mental Hygiene, Albany, male ward building, Units 1 and 2, and kitchen building, at New State Hospital, Crooked Hill Rd., 1 mi. north of Edgewood; adv. E. N.-R. Nov. 15. Noted Nov. 1 under "Central Islip."

N. J., Elizabeth—CHURCH—J. B. Beatty, archt., 15 North Reid St., bids about Nov. 15, 1 story basement, 90 x 130 ft., brick, steel, plain found., Elizabeth Ave., for Church of Most Holy Rosary. $200,000. Noted Oct. 25.

N. J., Elizabeth—SCHOOL—Bd. Educ., 417 South Broad St., bids about Dec. 1, 2 story, basement, brick, steel addition to School 14, plain found., Grove St. $150,000. H. B. Brady, 333 North St., archt. Noted July 5.

N. J., Montclair — DEMONSTRATION SCHOOL — Nov. 27, by State Bd. Educ., State House, Trenton, 2 story, basement, 85 x 186 ft., brick, steel, rein.-con., plain found., Normal School Grounds, $240,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts. Noted Oct. 25.

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Buildings—Educational, Religious (Cont.)

N. J., Newark—SCHOOL—Bd. Educ., City Hall, bids about Dec. 1, general contract 1 story, brick, steel, plain found., Boylan St. and South Orange Ave. $190,000. Simpson & Rolston, Inc., 45 Walnut St., archts. Noted Sept. 6.

N. J., Secaucus (Ind. br. West New York) —SCHOOL—Bd. Educ., Town Hall, bids about Nov. 15, 2 story, basement, brick, steel, plain found., County Ave. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt. Noted Oct. 18.

N. J., Weehawken — NURSES HOME — P. A. Virvarttas, 110 48th St., Union City, bids about Dec. 1, 5 story, basement, rein.-con., brick, steel, plain found., Columbia Terrace, for North Hudson Hospital, Park Ave. and Columbia Terrace. $150,000.

Pa., Upper Darby (Phila. P. O.)—HIGH SCHOOL—Nov. 19, by Bd. Educ., 3 story, basement, 83 x 303 ft., and 135 x 252 ft., rein.-con., brick, plain found., Sherwood Blvd. and Garret Rd. Heacock & Hohenson, 1211 Chestnut St., Phila. Noted May 31.

D. C., Wash. — SCHOOL — Nov. 21, by District Comrs., District Bldg., Takoma School addition, Piney Branch Rd. N. W. Noted June 28.

La., New Orleans—CHURCH—Church of Incarnation, J. Pierre, pastor, Apricot and Dante Sts., taking bids brick, rein.-con. church. $150,000. Andry & Feitel, New Orleans Bank Bldg., archts.

Ill., Maywood—SCHOOL—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, bids about Nov. 15; 2 story, basement, brick, stone, for Bd. Educ. $150,000.

Minn., Brainard—SCHOOL—Nov. 30, by Bd. Educ., L. F. Hohman, clk., 2 story, basement, rein.-con., brick, stone school. $450,000. Noted June 14.

Ark., North Little Rock—HIGH SCHOOL —Nov. 19, by School Bd., c/o W. E. Phipps, secy., 4th and Willow Sts., 3 story, basement, 2 story tower, 52-room, rein.-con., brick, stone high school, incl. auditorium, 2,000 seating capacity, Maple and 22nd Sts. $350,000. G. R. Mann and Wagner & King, New Donaghey Bldg., Little Rock, archts. Noted Nov. 8.

Contracts Awarded

Vt., Morrisville—ACADEMY—Bd. Educ., Peoples Academy, 2 story, basement, 75 x 150 ft., brick, stone, plain found., to W. L. Le Baron, Morrisville, by day labor.

Mass., Dorchester (sta. Boston) — SCHOOL—Dorchester & Mattapan Hebrew School, M. E. Schneider, pres., 20 Pemberton Sq. superstructure, 3 story, basement, 170 x 180 ft., brick, stone, plain found., to I. Conviser, 447 Norfolk St.; substructure, to Marden & Orlando, 46 Cornhill, Boston. Est. $400,000. Noted Oct. 4.

Mass., Needham (Ind. br. Boston) — CHURCH and PARISH HOUSE — First Baptist Church, H. A. Jackson, pastor, 1 and 3 story, basement, brick, plain found., Great Plains Ave., to R. A. Murray, 3933 Washington St., Roslindale. Est. $150,000 or more.

Mass., Waltham (Ind. br. Boston)—COLLEGE—Middlesex College of Medicine & Surgery, H. S. Card, pres., 473 Beacon St., Boston, 1 and 2 story, basement, irregular sized, brick, stone laboratory building, plain found., South St., by separate contracts under supervision of Leo Schlick Eng. Co., engrs., 314 Beacon St., Boston. Noted Oct. 6, 1927.

Conn., New Haven — LIBRARY — Yale University, College Trustees, 3 story, 25 x 122 ft., brick, steel, cut stone, granite faced addition, Wall and High Sts., to Marc Eidlitz & Son, 41 East 42nd St., New York. Est. $350,000.

N. Y., Mount Kisco—CHURCH and PARISH HOUSE—B. Goodhue Associates, archts., 2 West 47th St., New York, church and parish house, to T. O'Reilly, 415 Lexington Ave., New York, for St. Marks Church. Noted Sept. 20.

Pa., Easton—MINING ENGINEERING HALL—C. Z. Klauder, archt., 1429 Walnut St., Phila., Jno. Markle Mining Engineering Hall, 4 story, basement, 52 x 172 ft., rein.-con., brick, steel, plain found., to Breig Bros., Scranton Real Estate Bldg., Scranton, for LaFayette College. Noted Oct. 25.

Pa., Johnstown—SCHOOL—School Dist., general contract 2 story, basement addition, Cypress Ave., to Builders Service Co., Johnstown. Est. $150,000. Plumbing, to Cambria Plumbing & Heating Co.; electrical work, to Reese & Barnhard; heating, to Stanton & Barnhart, all Johnstown.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., general contract 2 story, basement, 44 x 140 ft., rein.-con., brick school, to R. S. Herzog, 10 South 18th St., $141,370. Noted Sept. 27.

D. C., Wash.—SCHOOL—District Comrs., District Bldg., Langdon School, to G. G. Loehler Co., 945 Penn. Ave. N. W., $275,000. Noted Oct. 25.

Ind., Indianapolis—CHURCH—Catholic Church, 42nd St. and Central Ave., general contract Joan of Arc Catholic Church, 2 story, basement, brick, steel, stone, to E. A. Carson, 1201 East 30th St. Est. $250,000. Noted Sept. 6.

Ind., Indianapolis — CHURCH — Third Church of Christ Scientist, 34th St. and Washington Blvd., general contract brick, steel, stone, to W. P. Jungclaus Co., 825 Massachusetts Ave.; heating and ventilating, to Hayes Bros., 236 West Vermont St.; plumbing, to J. A. Diggle, 235 North Delaware St. Est. $200,000. Noted Sept. 6.

Ind., Indianapolis—CHURCH—Wheeler Rescue Mission, 241 North Delaware St., general contract 3 story, basement, 35 x 126 ft., rein.-con., brick, to Service Constr. Co., 301 Castle Hall Bldg.; heating, to Callon Bros., 24 South Alabama St.; plumbing, to Strong Bros., 309 North Alabama St. Est. $150,000. Noted Sept. 6.

Ind., Kokomo—HIGH SCHOOL—School Comrs., J. C. Stone, secy., general contract 4 story, 50 x 200 ft., brick, steel, to Henderson Constr. Co., Terra Haute. Est. $155,000. Noted Oct. 25.

Ind., Kokomo—SCHOOL—School Comrs., general contract brick, steel, to E. Moore & Son, 408 West Mulberry St. Est. $150,000.

Mich., Detroit — COLLEGE — U. Frundt, chn. Building Com. Duns Scotus College, Franciscan Friars, Cincinnati, O., 2 and 3 story, basement, 180 x 400 ft., rein.-con., brick, stone, steel, plain found., to W. E. Wood Co., 1805 Ford Bldg. Est. $1,000,000. Noted Oct. 25.

Mich., Owosso—HIGH SCHOOL—Bd. Educ., 400 North Cedar St., general contract 2 and 3 story, basement, 224 x 242 ft., rein.-con., brick, steel, to D. Boschma, Crooks Rd., Royal Oak, $316,115; steam heating, to Freyn Bros., 3850 Michigan Ave., Detroit, $69,837. Noted Nov. 8.

Mich., Pontiac—SCHOOL—Bd. Educ., general contract 2 story, basement, 200 x 264 ft., rein.-con., brick, steel, stone, plain found., to Pryale Constr. Co., 405 Pontiac Bank Bldg., $364,000; steam heating, to Eames & Brown, 55 East Pike St., $102,000. Noted Oct. 11.

Mich., Pontiac — SCHOOL — Bd. Educ., general contract 2 story, basement, 100 x 200 ft., rein.-con., brick, steel, stone, plain found., Motor and Mack Aves., to Chissus Bros., 1st Natl. Bank Bldg., Birmingham. Est. $200,000.

Neb., Clay Center — HIGH SCHOOL — Bd. Educ., Dist. 70, H. A. Swanson, secy., general contract Senior High School, 2 story, basement, 152 x 175 ft., brick, concrete, to C. E. Atwater Co., 1518 West Koenig St., Grand Island, $76,325.

Mo., Anglum — FLYING SCHOOL, OFFICE, etc.—See "Unclassified."

Ont., Toronto—CHURCH—Metropolitan United Church, Queen St. E., general contract 1 and 2 story, basement, 74 x 228 ft., brick, steel, plain found., to Witchall & Son, 156 St. Helens Ave.; plumbing and heating, to W. F. Clifton & Co., 313 Brock Ave.; electrical work, to Richardson & Cross, 81 King St. E.; structural steel, to Dominion Bridge Co., Sorauren Ave. Est. $250,000. Noted Oct. 18.

Ont., Toronto — COLLEGE — Mathers & Haldenby, archts., 96 Bloor St. W., general contract 2½ story, basement, 65 x 140 ft., concrete, brick, steel, stone, to Thomson Bros., 56 Grenville St., for Toronto Bible College, 110 College St. Est. $150,000. Noted Oct. 18.

Ont., Toronto—LIBRARY—W. T. J. Lee, chn. Toronto P. Library Bd., St. George and College Sts., rein.-con. addition to College St. Branch Library, to W. H. Yates Constr. Co., 95 King St. E., $267,567. Noted Oct. 4.

Ont., Toronto—PATHOLOGICAL—University of Toronto, Queens Park, masonry work for 6 story, basement, 120 x 192 ft., rein.-con., brick, steel, stone, to E. G. M. Cape & Co., 45 Richmond St. W.; carpentry, to S. J. Lane & Co., 109 Bloor St. W.; roofing and sheet metal, to Canadian Rogers Sheet Metal & Roofing Co., 918 Palmerston Ave.; plumbing, to Ramsay & McIntosh, 126 Wellington St. W.; marble and terrazzo, to Italian Mosaic & Tile Co., 250 Madison Ave.; heating, ventilating and refrigeration, to owners by day labor. Est. $500,000. Noted Feb. 23.

Ont., Walkerville—SCHOOL—W. Thorborn, secy. Bd. Educ., 251 Victoria Ave., general contract 3 story, basement, rein.-con., brick, steel, stone, plain found., to N. R. Ibbetson, 308 Victoria Rd., $169,000; plumbing and heating, to C. E. Greenan & Co., 210 Windsor Ave., $45,400. Noted Oct. 11.

Ont., Windsor — COLLEGIATE — Bd. Educ., general contract 3 story, basement, 100 x 104 ft., rein.-con., brick, steel, plain found., Ouellette St., to Emery Constr. Co., Dowler Bldg., $413,355; heating and ventilating, to Drake Avery Co., Windsor, $84,097; plumbing, to J. L. Heureux, Windsor, $40,340; stadium, to Gossel Constr. Co., Amherstburg, $32,826; lighting, to G. L. Whelpton, Windsor, $32,657. Grand total $603,275.

Federal Government Work

Proposed Work

Mass., Camp Devens (br. Boston)—BARRACKS—Constructing Quartermaster, declined conditional award and rejected bids Oct. 15, infantry barracks. Will readvertise. Noted Nov. 1.

Delaware and Maryland—DREDGING—U. S. Engineer Office, Wilmington, Del., 172,410 cu.yd. for turning basins in Inland Waterway from Delaware River to Chesapeake Bay.

Del., Wilmington—BARGES—U. S. Engineer Office, repairing 4 barges.

D. C., Wash. — WARMING-UP PLATFORM — Spec. 5792 — Bureau Yards & Docks, Navy Dpt., 75 x 355 ft. warming-up platform, concrete, at Naval Air Station (Anacostia).

Virginia—DREDGING—U. S. Engineers Office, Norfolk, dredging 3,977,000 cu.yd. channel across Rocklanding Shoal, in James River, easterly of existing Rocklanding and Point of Shoals channels.

Va., Yorktown—SPRINKLING SYSTEM, etc.—Spec. 5684—Bureau Yards & Docks, Navy Dpt., Wash., D. C., automatic sprinkler system and fire resisting partitions.

Ga., Fort Benning—BARRACKS—Quartermaster Dpt., 2 barracks buildings. Noted Mar. 29.

Louisiana—LEVEE—U. S. Engineer Office, New Orleans, repairing Palmyra Levee, in Lower Tensas Levee Dist., to R. C. Webb, Delta, $6,871.

Tennessee — TOW BOAT — U. S. Engineer Office, Chattanooga, towboat for Tennessee River Service.

Michigan—DREDGING—U. S. Engineer Office, Detroit, removing 155,700 cu.yd. from Course 9, Middle Neebish Channel, St. Mary's River. Noted Sept. 13.

Illinois—LEVEE WORK—U. S. Engineer Office, Rock Island, placing 45,000 cu. yd. levee enlargement over 1¼ mi. in Lima Lake D. D.

Illinois — DREDGING — U. S. Engineer Office, Chicago, rejected bids Oct. 5, in Illinois River. Noted Sept. 13.

Ill., Milan—AQUEDUCT—U. S. Engineer Office, Federal Bldg., Rock Island, rejected bids Oct. 17, aqueduct, levees, etc. for diversion of Mill Creek into Rock River. Noted Sept. 27.

Ill., Rock Island—DAMS—U. S. Engineer Office, constructing, extending, repairing wing, and closing dams on Mississippi River between Miles 214 and 293 (winter work).

Mo., St. Louis—BOAT—U. S. Engineer Office, one 36 ft. x 9 ft. x 4 ft. 9 in. steel hull, diesel driven screw propeller boat.

Ariz., Nogales—PAVING—Treas. Dpt., at office Supervising Archt., Wash., D. C., rejected bids Oct. 10, paving International St. Will readvertise. Noted Oct. 25.

Wash., Seattle—SNAGBOAT—U. S. Engineer Office, new wooden hull for stern wheel, steam driven snagboat "Swinomish," and for transferring, installing on new hull, the superstructure and heavy machinery now on boat.

California—ROAD—Constructing Quartermaster, Fort Mason, San Francisco, 5.5 mi. oil macadam and concrete road between Sausaliteo and Fort Barry, Marin Co.

Calif., Oakland—DREDGING——U. S. Engineer Office, San Francisco, 1,032,600 cu.yd. in Oakland harbor.

Bids Desired

N. Y., Brooklyn—DREDGING—Nov. 26, by U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, dredging approximately 77,800 cu.yd., place measurement, in Newtown Creek; adv. E. N.-R. Nov. 15. Noted Nov. 8.

Pa., Pittsburgh—DAM—Dec. 12, by U. S. Engineer Office, emergency dam for 110 ft. lock at Deadman Island, Ohio River; adv. E. N.-R. Nov. 15. Noted Nov. 1.

Maryland — DREDGING — Nov. 28, by U. S. Engineer Office, 300 Custom House, Baltimore, dredging 91,600 cu.yd. in Wicomico River; adv. E. N.-R. Nov. 15.

Md., Annapolis — TURBO-GENERATOR —Spec. 5629—Nov. 28, by Bureau Yards &

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Federal Government Work (Continued)

Docks, Navy Dpt., Wash., D. C., turbo-generator and auxiliary equipment at U. S. Naval Academy. Noted Nov. 1.

D. C., Wash.—LUMBER—Nov. 26, by A. L. Flint, genl. purch. officer Panama Canal, creosoted southern yellow pine or Douglas fir lumber, southern yellow pine piles, southern yellow pine or Douglas fir cross ties, untreated redwood cross ties, creosoted yellow southern pine or Douglas fir switch ties.

D. C., Wash.—MOTOR GENERATORS—Nov. 27, by A. L. Flint, genl. purch. officer Panama Canal, motor generator set and control switchboard, copper rail, conductor, iron, steel, brass, bronze, copper, monel metal, zinc, lead, wire rope, etc.

D. C., Wash.—BEARING PLATES, etc.—Nov. 28, by A. L. Flint, genl. purch. officer Panama Canal, material for repairing miter gate bearings for overhaul of Pedro Miguel Locks (bearing plates bushings, stud bolts, set screws, jacking bolts and babbitt metal).

Fla., Key West—TOWERS—Dec. 5, by Superintendent Lighthouses, metal work complete for 4 light towers, f.o.b. shipping point; adv. E. N.-R. Nov. 15.

Tenn., Memphis—BARGES—Nov. 30, by U. S. Engineer Office, 1006 McCall Bldg., constructing, delivering 2 mooring and fascine barges; adv. E. N.-R. Nov. 15.

Tenn., Paris—EXTENSION—Dec. 17, by Treas. Dpt., at office Supervising Archt., Wash., D. C., extending, remodeling U. S. Post Office. Noted June 14.

Mich., Pontiac—REMODELING—Dec. 10, by Treas. Dpt., at office Supervising Archt., Wash. D. C., post office. Noted Feb. 8.

Ill., Maywood—FENCE and ROAD—Dec. 4, by U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., gatehouse, fence and road at Edward Hines, Jr. Hospital.

Missouri—BEACON LIGHTS—Nov. 30, by U. S. Dpt. Commerce, Wash., D. C., 20 revolving beacon lights between St. Louis and Kansas City. Private plans.

Calif., Mare Island (Ind. sta. Vallejo)—DREDGING—Nov. 27, by U. S. Engineer Office, San Francisco, in Mare Island Strait Turning Basin.

Calif., San Diego—ELECTRICAL WORK—Spec. 5659—Dec. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., electrical work at Naval Operating Base (air station).

Canal Zone — RADIO MASTS and TOWER—Spec. 5337—Dec. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Radio Station, La Palma and Puerto Obaldia, Panama and Darien; adv. E. N.-R. Nov. 15. Noted Oct. 25.

Bids Received

Mass., Rutland—COVERED WALKS—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., at U. S. Veterans Hospital, from R. H. White, Auburn, $6,789 (45 days).

N. Y., Syracuse — STORAGE ROOM — Treas. Dpt., at office Supervising Archt., Wash., D. C., internal revenue storage room at U. S. Post Office and Court House, from English Constr. Co., Inc., 1311 H St. N. W., Wash., D. C., $548. Noted Nov. 1.

Pa., Pittsburgh — LOCKKEEPERS HOUSES—U. S. Engineers Office, Oct. 25, two 2 story lockkeepers houses at Lock 6, Allegheny River, from F. J. Kammerdeiner, Natrona Heights, brick $8,100 each, terra cotta, hollow tile blocks $7,863 each. Noted Oct. 4.

Md., Baltimore—DREDGING—U. S. Engineer Office, Custom House, Oct. 24, 210,000 cu.yd. Baltimore Harbor and channels, from Arundel Corp., Pier 2, Pratt St., Baltimore, at $0.2387 per cu.yd., total $50,032. Noted Sept. 27.

Va., Norfolk—GENERATOR—Spec. 5642—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Nov. 7, engine driven generator, from Ransom & Anderson Co., Inc., 136 Liberty St., New York, $14,977. Noted Oct. 25.

S. C., Charleston — REFRIGERATING EQUIPMENT—Spec. 5735—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Nov. 7, automatic refrigerating equipment, from Kelvinator Sales Corp., 91 West 47th St., New York, $658. Noted Oct. 25.

Miss., Gulfport—QUARTERS—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Nov. 8, Officers Quarters at U. S. Veterans Hospital, from O. P. Woodcock, Duval Bldg., Jacksonville, Fla., $22,800. Noted Oct. 18.

La., New Orleans—LEVEE—U. S. Engineer Office, River Front and Burdette St., from Ezikel Winnfield Gravolet, Pointe-a-la-Hache, wooden revetment 17,000 lin.ft. Ollie St. at $3.72 per lin.ft., Rosalie-Ironton $3.30, Myrtle Grove $3.61, Chalmette Cemetery $3.90, Monsecourse $3.81, Upper Pointe-a-la-Hache, $2.97, from H. A. Schoenberger, Buras, Oak Point-Augusta $3.12, from Hoffman & Jones, Madisonville, Suburban Club $3.31, all foregoing in Baratara and Lake Borgne Levee Dists.; from Picard Constr. Co., Hick Bldg., 113,900 cu.yd. in Atchafalaya Levee Dist. (front), New Orleans Levee Dist., $0.277 per cu.yd.; from Robinson Constr. Co., Centerville, Miss., 25,500 cu.yd. in Jaceny-Palo Alto Levee $0.30, 34,500 cu.yd. in Vidalia-St. Genevieve Levee $0.32, 7,050 cu.yd. in Roseland-Ashland Levee Dist. $0.40, per cu.yd., all foregoing in Lower Tensas Levee Dist., 17,000 cu.yd. in Tin Bara Levee 2, Atchafalaya Levee Dist. (back) $0.40.

Mich., Wyandotte — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 12, post office, from Dunlap & Co., Inc., Columbus, Ind., $55,514. Noted Oct. 18.

Illinois — RAILROAD — Constructing Quartermaster, Savanna Ordnance Depot, Savanna, Oct. 20, constructing 4,350 lin.ft. standard gage railroad track with gravel ballast, from Chicago Foundation Co., 33 South Clark St., Chicago, $23,500; 4,700 lin. ft. standard gage railroad track with rock ballast, from E. M. Rocho, Freeport, $27,370; 4,700 lin.ft. with gravel ballast, from Deckert & McDowell, 53 West Jackson Blvd., Chicago, $22,900. Noted Sept. 27.

Colorado — ROAD — Bureau Pub. Rds., Denver, constructing, improving Cimarron-Taos Rd. Project, from G. Shields, Denver, $92,253.

Contracts Awarded

Connecticut—RIPRAP STONE—Superintendent Lighthouses, Bay St., St. George, N. Y., 1,800 and 2,400 long tons riprap stone for Bartlett Point Light, Thames River, to Merritt, Chapman & Scott Corp., 292 Pequot Ave., New London, at $3.14 per ton. Noted Oct. 11.

N. Y., Dunkirk—POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., U. S. Post Office, to W. MacDonald Constr. Co., 1311 Syndicate Trust Bldg., St. Louis, Mo., $92,095. Noted Nov. 8.

Md., Fort Leonard Wood—ROAD—Constructing Quartermaster, grading 20,000 cu. yd., to E. R. P. Smith, Hyattsville. Est. $10,000.

D. C., Wash. — AIRPLANES — Bureau Yards & Docks, Navy Dpt., Wash., D. C., 20 amphibian airplanes, to Loening Aeronautic & Eng. Co., 420 East 31st St., New York, $422,984.

D. C., Wash.—NURSES QUARTERS—Constructing Quartermaster, at Walter Reed Hospital, to Murch Bros., Constr. Co., Railway Exch. Bldg., St. Louis, Mo., $272,000. Noted Nov. 8.

D. C., Wash. — EXTENSION — Treas. Dpt., at office Supervising Archt., general contract extending Government Printing Office, to Rust Eng. Co., Amer. Natl. Bank Bldg., Pittsburgh, Pa., $823,700 (540 days); mechanical equipment, to Virginia Eng. Corp., 1st Natl. Bank Bldg., Newport News, Va., $96,900. Noted Oct. 25.

W. Va., Huntington — HORSES and PROPS—U. S. Engineer Office, steel horses and props for Ohio River Dams, to Amer. Car & Fdry. Co., Jeffersonville, Ind., $48,190. Noted Sept. 27.

North Carolina—DREDGING—U. S. Engineer Office. Wilmington, Neuse and Trent Rivers, to C. Walker Hodges Dredging Co., New Bern, $28,218. Noted Sept. 27.

N. C., Wilmington—BARGES—U. S. Engineer Office, 3 steel barges, to Atlantic Ellis Channel System, Inc., 33 Rector St., New York, $29,250. Noted Sept. 27.

Fla., Jacksonville — DREDGING — U. S. Engineer Office, dredging and rock removal in Ancloto River, to Arundel Corp., Pier 2, Pratt St., Baltimore, Md., $50,032. Noted Sept. 13.

Tenn., Memphis—RECREATION—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., recreation building at U. S. Veterans Hospital, to Palmer Co., Atlanta, Ga., $64,850. Noted Nov. 8.

Minn., St. Cloud—BOILERS—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., 4 horizontal return tubular boilers, to Continental Constr. Co., 311 2nd Ave. S., Fort Dodge, Ia., $9,800. Noted Nov. 1.

S. D., Mitchell — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $44,000 (350 days). Noted Nov. 1.

Arkansas—LEVEE—U. S. Engineer Office, Memphis, Tenn., 30,000 cu.yd. levee, Yell County Levee 1, to Batson Bros., Dardanelle, $7,800.

Tex., Houston—DREDGING—U. S. Engineer Office, Galveston, in Buffalo Bayou between Houston Ship Canal Turning Basin and mouth of White Oak Bayou, to Lake Arthur Dredging Co., Beaumont, $144,500. Noted Sept. 27.

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Unclassified

Proposed Work

BOILERS—**Boston, Mass.**—City, Institutions Dpt., boilers at Long Island Hospital, $25,000 appropriated.

STEEL TANKS—**Brooklyn, N. Y.**—A. E. Merowitz, 1461 President St., plans by D. H. Cohn, 134 Remsen St., 92 x 92 ft. steel tanks, New York Ave. and Clarkson St. $100,000.

STADIUM—**New York, N. Y.**—American League Baseball Club of New York, 22c West 42nd St., enlarging, replacing bleachers with grandstands, Yankee Stadium, 161st and Jerome Ave. $100,000. Osborne Eng. Co., Euclid Bldg., Cleveland, O., engrs.

STEAMSHIPS — **New York, N. Y.** — DiGiorgio Fruit Corp., 25 Bway., 2 steamships.

STEAMSHIPS—**New York, N. Y.**—Matson Steamship Co., 535 5th Ave., bids after Jan. 1, two 20,000 to 30,000 ton steamships.

STEAMSHIPS—**New York, N. Y.**—Ward Line, Piers 13 and 14, East River, 2 steamships for New York-Havana service.

BULKHEAD — **East Keansburg**, (br. Keansburg), **N. J.** — Twp. Comn., Township Hall, bulkhead on Raritan Bay. $25,000.

GRADE CROSSING ELIMINATION—**Bogota** (Ind. br. Hackensack), **N. J.**—Bd. Town Council, Town Hall, eliminating grade crossing by constructing rein.-con. overhead viaduct over railroad, at Fort Lee Rd. $25,000. R. Schweizer, Jr., town engr.

BATHING POOL—**Paterson, N. J.**—Bd. City Comrs., Dpt. Pub. Wks., City Hall, concrete bathing pool, Westside Park. $30,000. H. J. Harder, city engr.

OVERHEAD CROSSING — **Jacksonville, Fla.**—City, Duval Co., and Southern Ry. Co., B. Herman, ch. engr., 1300 Pennsylvania Ave., Wash., D. C., overhead crossing by constructing concrete viaduct, approaches on Beaver St. $600,000. C. E. Sheddan, city engr.

CULVERT—**New Orleans, La.**—City, 200 ft. concrete culvert over drainage canal, on Peoples Ave. $30,000. A. Vallas, city engr.

News of airports will be found on page 259

FISH HATCHERY — **St. Joseph, La.** — State Conservation Com., New Orleans, fish hatchery at Lake Bruin, 4 mi. from here. $25,000. W. I. Neel, Monroe, engr.

DYKE — **Detroit, Mich.** — Dpt. Parks & Blvds., Marquette Bldg., rip rap dyke at east end Belle Isle to provide filled area 24 acres and new municipal swimming beach. $98,750. Private plans.

LIGHT HOUSE and MONUMENT—**Detroit, Mich.**—Lake Carriers Assn., 8 East Jefferson Ave., lighthouse, 50 ft. high, concrete, steel, stone. $100,000. A. Kahn, 1000 Marquette Bldg., engr.

AUTOMATIC SIGNAL INSTALLATIONS — **Kansas, Illinois and Louisiana** — Missouri Pacific R.R. Co., 13th and Olive Sts., St. Louis, Mo., E. A. Hadley, ch. engr., 45 mi. automatic signal installations from Kansas City, Mo., to Atchison, Kan.; 135 mi. from Osawatomie, through Durand to Coffeyville, Kan.; 45 mi. on Illinois Division; 46 mi. from Urania to Alexandria, La. $1,135,000.

GAS PIPE LINE—**Texas**—Southern Gas Co., c/o Milam Bldg., San Antonio, gas pipe line from its main to Republic Portland Cement Co. plant (now under construction), 12 mi. north of San Antonio. $45,000. Private plans.

FARM DEVELOPMENT — **Big Wells, Tex.**—Masden Farm Development Co., c/o H. H. Maseden, pres., Big Wells, developing 7,000 acre site near here, for truck and vegetables, also established canning and pickling plant. Private plans.

STEEL TANKS — **Ft. Stockton, Tex.** — Roxana Petroleum Co., City Natl. Bank Bldg., San Antonio, four 80,000 bbl. steel oil storage tanks, near here. $175,000. Private plans.

GAS LINE—**Colorado**—Pub. Serv. Co. of Colorado, 15th and Champa Sts., Denver, and Prairie Oil & Gas Co., Amarillo, Tex., surveys natural 35 mi. gas line from Timpas to Rocky Ford and La Junta. Ford, Bacon & Davis, Inc., 115 Bway., New York City, engrs.

TRANSMISSION LINE — **Canon City, Colo.**—Southern Colorado Power Co., W. M. Clark, genl. mgr., Colorado Bldg., Pueblo, preliminary plans power transmission line from Canon City to Beaver Park Dist. $40,000.

TRANSMISSION LINES — **Leadville, Colo.**—Pub. Serv. Co. of Colorado, Denver.

Unclassified (Continued)

14 mi. 100,000-volt power transmission line from Leadville to Robinson. $75,000.

GAS LINE, etc.—**Pueblo, Colo.**—Pueblo Gas & Fuel Co., A. M. Talbott, 122 West 5th St., low pressure gas feeder line, north of 21st and west of Elizabeth Sts., $25,000; L. F. Babcock, engr.; also plans by W. DeMordaunt, archt., 738 1st Natl. Bank Bldg., brick, steel regulator house in conjunction with feeder line, 21st and Elizabeth Sts.

UNDERPASS—**Elk City, Okla.**—State Hy. Dept., Oklahoma City, 1 span 66 ft. rein.-con. underpass under Missouri, Kansas & Topeka R.R. $45,000. C. R. Mandigo, hy. engr.

SWIMMING POOL — **Seattle, Wash.** — Converting north bay of Green Lake into swimming pool, constructing 0.25 mi. dike, incl. 68,000 yd. dirt, $30,000. W. D. Barkhuff, city engr.

STREET LIGHTING SYSTEM—**Porterville, Calif.** — Ornamental lighting system on Main St. between Morton St. and Olive Ave. $25,000.

STEAMSHIPS—**San Francisco, Calif.**—Dollar Steamship Co., 311 California St., 4 or more steamships over 20,000 tons each, during 1929.

HYDRO-ELECTRIC DEVELOPMENT—**Woodland, Wash.**—See "Buildings—Industrial."

GRAIN ELEVATOR — **Meaford, Ont.** — Canadian Rail & Harbor Terminals, foot of York St., Toronto, 1,000,000 bu. grain elevator, concrete, rein.-con. $500,000. C. D. Howe & Co., Whalen Bldg., Port Arthur, engrs.

WHARF—**Windsor, Ont.**—Dpt. P. Wks., Parliament Bldgs., Ottawa, K. M. Cameron, ch. engr., soon takes bids improving concrete, timber wharf. $50,000.

DEHYDRATING PLANT—**Vernon, B. C.**—**Bulmans Ltd.** dehydrating plant. $150,000.

Bids Desired

UNLOADING PLATFORM and FREIGHT HOUSE — **Malden** (br. Boston), **Mass.** — Nov. 16, by Boston & Maine R.R. Co., W. J. Backes, ch. engr., Boston, 175 ft. brick, steel loading platform, 1 story, 30 x 150 ft. freight house, Ferry St. station. Private plans.

ELEVATORS—**Albany, N. Y.**—Nov. 28 (extended date), by A. E. Smith, governor and chn. State Office and Building Sites Com., Executive Chamber, Capitol, constructing elevators and vaults, completion State Office Building; adv. E. N.-R. Nov. 15. Noted Oct. 25.

ELECTRICAL WORK—**Beacon, N. Y.**—Dec. 13, by Commissioner Dpt. Correction, 11 North Pearl St., Albany, electrical work, rewiring administration building, main group, laundry building, Matteawan State Hospital; adv. E. N.-R. Nov. 15.

FIRE ALARM SYSTEM — **Brooklyn, N. Y.** — Nov. 23, by J. J. Dorman, fire comr., Municipal Bldg., New York, portion underground fire alarm system, Fort Hamilton Improvement.

TANKS—**Bayonne, N. J.**—See "Contracts Awarded."

WHARF SHEDS — **New Orleans, La.** — Nov. 20, by Bd. Comrs. Port of New Orleans, New Court House, bridging St. Andrews wharf shed to uniform widths, incl. 320 tons structural steel. S. Young, port engr.

ATHLETIC HOUSE — **Columbus, O.** — Nov. 26, by Bd. Educ., W. V. Drake, clk., 40 x 110 ft., concrete, brick, incl. showers and lockers for East High School, Eastgate. $25,000.

STREET LIGHTING SYSTEM — **St. Louis, Mo.**—Dec. 11, by Bd. P. Serv., City Hall, lighting system in district between Oakland Ave., Page Blvd., Newstead Ave. and city limits, 2,200 electric standards, lamps of 250-cp. each. $475,000. J. Pritchard, City Hall, dir.

GUNITE PUMP STATIONS — **Texas** — See "Contracts Awarded."

OVERHEAD CROSSING — **California** — Nov. 21, by C. H. Purcell, state hy. engr., P. Wks. Bldg., Sacramento, replacing old subway with six 40 ft. and eleven 30 ft. span rein.-con. encased steel girder overhead crossing over Southern Pacific Ry., also 100 ft. rein.-con. arched culvert, 20 ft. clear span, at Rincon Creek, Santa Barbara Co.

LIME KILN—**Beechville, Ont.**—Beechville White Lime Co. Ltd., taking bids stone lime kiln at Limehurst.

STEEL HOPPER SCOWS—**Ottawa, Ont.**—Nov. 21, by S. E. O'Brien, secy. Dpt. P. Wks., steel hopper scows. $45,000.

BOILER PLANT—**Moose Jaw, Sask.**—Nov. 19, by City Comrs., water tube boilers and furnaces, air preheaters and draft fans, steam superheaters, coal pulverizers, f.o.b. Moose Jaw.

Contracts Awarded

GASOLINE STORAGE TANKS and FILLING STATION — **Fitchburg, Mass.** — Jenney Mfg. Co., 8 India St., Boston, 1 story, brick, steel, River St. Owner builds. $25,000 or more. Private plans.

FLOOR SUPPORTS—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, additional supports for floors, in shops, Coney Island Yard, Rapid Transit R.R., to T. R. Coffey Co., 320 Bway., New York, $32,223. Noted Oct. 11.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish on 14th, 23rd, 34th, Pennsylvania and 42nd St. stations Rapid Transit R.R., to Huber Constr. Co., 103 Park Ave., $633,000. Noted Sept. 13.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 81st, 86th, 96th, 103rd and 110th Sts. stations Rapid Transit R.R., to Charles Meads & Co., 217 West 14th St., $345,973. Noted Nov. 1.

TANKS—**Bayonne, N. J.**—Tidewater Oil Co., Constable Hook, 19 brick, steel tanks, pipe stills, galvanized iron sheds, separate contracts. $150,000. Private plans. Noted Nov. 8.

BULKHEAD — **Maryland** — State Roads Comn., Baltimore, 450 ft. timber bulkhead near Isabella St. dam in Salisbury, Contr. Wi-49, Wicomico Co., to O. S. Lloyd, Salisbury, $8,590. Noted Oct. 18.

SIGNAL TOWER—**Cleveland, O.**—Cleveland Union Terminal Co., C. L. Bradley, pres., Terminal Tower, 2 story, basement, 18 x 144 ft., brick, steel, to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $150,000.

GRADE SEPARATION — **Michigan** — C. L. Cowgill, resident engr., Plymouth, grade separation approaches 0.341 mi. FO81-19, C-8, Washtenaw Co., to O. J. Trudeau, 7476 Churchill St., Detroit, for State Hy. Dpt., Lansing. $36,259 incl. cement.

BOILERS, STOKER, etc. — **Milwaukee, Wis.**—Dpt. P. Wks., R. E. Stoelting, comr., resetting 2 boilers, to T. Abraham, 685 Downer Ave. $10,333; boiler fittings and power plant piping, to Industrial Heating & Eng. Co., 490 Bway. St. $30,687; casings, breeching, air ducts, to Downey Heating Co., 256 11th St., $6,616. Grand total $47,636. Noted Oct. 25.

HYDRO-ELECTRIC DEVELOPMENT—**Springfield, Mo.**—Empire Electric Co. (subsidiary H. L. Doherty interests, 66 Wall St., New York), granted authority by Missouri Pub. Service Comn. to construct 1,924 ft. dam, 197 ft. high, 6.5 mi. from Branson, hydro-electric power plant to turn out 410,000,000 kw. power annually on White River at Table Rock. $16,700,000. Work will be done by own forces. Noted Dec. 29.

ATHLETIC FIELD STADIUM — **University** (mail St. Louis), **Mo.**—Bd. Educ., A. Fairbanks, pres., rein.-con. stadium, 9,000 seating capacity, to Woermann Constr. Co., 1441 Syndicate Trust Bldg., St. Louis. Est. $60,000.

PIPE LINE—**Texas**—Atlantic Pipe Line Co., 260 South Broad St., Phila., Pa., and Midland, furnishing 560 mi. 10 in. pipe for pipe line from Midland to Port Arthur, to National Tube Co., Frick Bldg., Pittsburgh, Pa.; 2 Cameron No. 6 HMT 5-stage centrifugal pipe line pumps direct connected to General Electric type KT50 hp., and 1,600 r.p.m., 2,200 volt motors in each station along above pipe line, to General Electric Co., River Rd., Schenectady, N. Y.

GUNITE PUMP STATIONS — **Texas** — Atlantic Pipe Line Co., 260 South Broad St., Phila., Pa., 11 gunite pump stations, each 28 ft. square, large steel warehouse and 10,000 bbl. steel tank at each station on main pipe line to be constructed between Midland and Port Arthur, own forces. $200,000. Private plans.

GAS MAINS—**Pueblo, Colo.**—Pueblo Gas & Fuel Co., Pueblo, A. M. Talbott, mgr., 122 West 5th St., extending gas mains south of St. Clair St. and west of Claremont Ave. in South Pueblo. Owner builds. $25,000.

TELEPHONE IMPROVEMENTS — **Pueblo, Colo.**—Mountain States Telephone & Telegraph Co., C. T. Hopkins, mgr., install terminal carrier system. $34,540. Owner builds.

TELEPHONE SYSTEM—**Pueblo, Colo.**—Mountain States Telephone & Telegraph Co., Pueblo, C. T. Hopkins, mgr., replacing Colorado Fuel & Iron Co., Minnequa plant with 270 pole installations, extensive underground cable. $150,000. Owner builds.

CAR FERRY SLIP—**San Francisco, Calif.**—State Bd. Harbor Comrs., creosoted pile car ferry slip at outer end Pier 45, to Clinton Constr. Co., 923 Folsom St., $40,389. Noted Nov. 1.

TRAINING CAMP — **San Luis Obispo, Calif.** — U. S. Disbursing Office 1021 Forum Bldg., Sacramento, general contract 15 kitchen and mess halls, 1 truck garage, extending water, sewer and electric lines at National Guard Training Camp, for State and Federal Government, to R. E. Bergund, Beverly Hills, $39,970. Noted Nov. 8. Plumbing to J. A. Freitas, 2811 East 10th St., Oakland, $8,860; electrical work, to Cline Electric Shop, Oakland, $4,430.

WHARF—**Goderich, Ont.**—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, extending mooring wharf, to Jackson Constr. Co., Sorel, Que. Est. $50,000. Noted Sept. 20.

DOCKS and TERMINAL — **Walkerville, Ont.**—International Terminals Ltd., A. H. Wilford, mgr., Bartlett Bldg., Windsor (1st unit) docks and terminal, to Merlo, Merlo & Ray, Sandwich St., Ford City, $1,000,000.

Materials

Bids Desired

MINERAL AGGREGATE—**Long Island City, N. Y.**—Nov. 20, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 2,000 yd. mineral aggregate.

BROKEN STONE—**St. George, N. Y.**—Nov. 21, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 800 cu.yd. ¾ in. broken stone, at point within Dists. 1 and 2 as directed.

GRAVEL—**Louisiana**—Nov. 27, by State Hy. Comn., Baton Rouge, washed and screened gravel, reef shell, clam shell, crushed limestone, slag and sand for maintenance during December, 1928. J. M. Fourmy, Reymond Bldg., Baton Rouge, state engr.

LIME, etc.—**New Orleans, La.**—Nov. 30, by G. G. Earl, ch. engr. Sewerage & Water Bd., 526 Carondelet St., 6,500 tons lime for 1929 water purification, 1,200 tons iron sulphate, 50,000 lb. liquid chlorine. $65,000.

SHEET PILING—**Cleveland, O.**—R. C. Huffman Constr. Co., 556 Terminal Tower Bldg., in market 75 tons 20 to 28 ft. lengths steel sheet piling.

BRIDGE LUMBER—**Council Bluffs, Ia.**—Nov. 27, at office Auditor Pottawatomie Co., 24,240 lin.ft. red cedar piling, 6,730 lin. ft. creosoted longleaf yellow pine piling, 724,200 ft. Douglas fir bridge lumber. E. E. Cook, Council Bluffs, co. engr.

BRIDGE LUMBER—**Fairfield, Ia.**—Nov. 20, at office Auditor Jefferson Co., 64,633 ft. creosoted bridge lumber, 1,708,400 ft. full sawn fir lumber, 7,100 ft. red cedar piling. M. H. Bryant, Fairfield, co. engr.

BRIDGE LUMBER—**Logan, Ia.**—Nov. 28, at office Auditor Harrison Co., 22 cars rough standard sawed fir bridge lumber, 6 cars creosoted yellow pine piling, 1 car creosoted yellow pine lumber, 3 cars Tennessee red cedar, and native burr oak piling. T. A. Cherry, Logan, co. engr.

PIPE—**Tulsa, Okla.**—Mayor and Comn. in market 18,000 ft. 2 in. galvanized iron pipe.

PIPE—**Sacramento, Calif.**—Nov. 21, by H. G. Denton, city clk., 1,610 lin.ft. 57 in. and 390 lin.ft. 60 in. centrifugally cast rein.-con. pipe, 1,710 lin.ft. 69 in. and 1,590 lin.ft. 78 in. precast rein.-con. pipe, for sewers in 18th and North B Sts. H. Clark, city engr.

Bids Received

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson pur. agt., Nov. 7, 10,000 bbl. more or less portland cement, from Froemming Corp., Green Bay Ave. and Gruber St., at $2.53 per bbl. Noted Nov. 1.

Contracts Awarded

POST HYDRANTS—**Boston, Mass.**—Dpt. P. Wks., 50 post hydrants for Water Dpt., to McCulloch Mfg. Co., 200 Old Colony Ave., $4,687. Noted Oct. 25. Est. $5,000.

PIPE—**Detroit, Mich.**—Fire Dpt., 200 tons 12 in. c.i. pipe in 12 ft. lengths Bell and Spigot ends with and without lugs on ends, to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $53 per ton without lugs, $73 per ton with lugs.

Foreign

China, Shanghai — National Reconstruction Bureau, Nanking, high power radio station, to Radio Corporation of America, Woolworth Bldg., New York. Est. $170,000.

Costa Rica—Government Costa Rico, San Jose, awarded contract constructing 135 mi. highways, to Simmons Constr. Corp., Charlotte, N. C. $3,000,000.

Egypt—Egyptian Government plans increasing height of Assuan Dam, 23 ft. $10,000,000. H. L. Cooper, hydraulic engr., 101 Park Ave., New York, is American member international commission.

See proposal advertising on page 127

Constr. News page 271

UNIT PRICES

Sewerage System—Star City, W. Va.

Twelve bids were opened by Town, June 29, installing sewerage system, difference between lowest and average, 23 per cent. Lowest four and highest bidders are: (A) Nero & Patrick Construction Co., Cleveland, O., (awarded contract); (B) Tri State Engineering Co., Morgantown; (C) B. M. Chaplin Co., Morgantown; (D) W. F. Kohler, 101 Richmond St., Huntington; (E) Euclid Sewer & Construction Co., Euclid, O. Lewis V. Carpenter, Mechanical Hall, Morgantown, engineer.

	A	B	C	D	E
8-in. Vitr. Clay Pipe					
4,389 ft. 0- 6 ft.	$0.75	$0.65	$0.45	$0.78	$1.35
6,353 ft. 6- 8 ft.	.75	.65	.55	.91	1.35
5,391 ft. 8-10 ft.	.75	.70	.85	1.11	2.35
2,539 ft. 10-12 ft.	.75	.75	1.25	1.31	2.85
1,205 ft. 12-14 ft.	.75	1.00	1.75	1.56	2.90
650 ft. 14-16 ft.	1.25	1.25	2.50	1.95	2.00
75 ft. 16-18 ft.	1.75	1.50	3.50	2.27	2.10
75 ft. 18-20 ft.	2.75	2.00	4.50	2.60	2.50
175 ft. 20-24 ft.	4.25	3.00	6.00	2.99	3.70
12-in. Vitr. Clay Pipe					
2,100 ft. 0-6 ft.	.50	.65	2.25	.98	3.40
60 ft. 6-8 ft.	.50	.65	2.50	1.20	3.40
60 ft. 8-in. c. i. sewer (unclassified)	1.00	3.00	2.00	.88	3.00
132 ft. 12-in. c. i. sewer (unclassified)	1.50	15.00	5.00	1.08	6.00
Furnishing pipe unloaded at station:					
19,400 lin ft. 8-in. vitr. clay	.25	.22½	.19	.26	.32
2,160 ft. 12-in. vitr. clay	.50	.40	.36	.45	.60
705 pieces 8 x 6 in. Ys	1.00	1.85	1.60	1.04	1.35
132 ft. 8-in. cast iron	1.00	.....	1.40	2.90	1.50
60 ft. 12-in. cast iron	1.75	.....	2.40	3.90	2.00
52 cu.yd. conc.	16.00	18.00	20.00	20.00	28.00
50 cu.yd. gravel	3.00	7.00	5.00	5.00	4.00
62-4 ft. manholes, 0-6 ft. deep	70.00	80.00	40.00	55.00	100.00
132 ft. additional manholes	10.00	8.00	4.00	7.50	4.00
8 special manholes	60.00	70.00	50.00	50.00	100.00
8 lampholes	15.00	4.00	20.00	10.00	25.00
1 special manhole	20.00	6.00	25.00	10.00	40.00
1—20-in. connection box	20.00	10.00	5.00	5.00	10.00
1—24-in. vitr. clay sewer	10.00	10.00	5.00	7.50	10.00
Extra excavation	1.50	1.50	1.00	1.00	5.00
Totals	$32,304	$33,483	$35,077	$38,435	$61,629

Engineering News Record, Issue of November 15, 1928.

Bridge—Florida

State Road Department, Tallahassee, opened bids June 15, Caloosahatchie River Bridge on Road No. 5, Lee County; 8,141 ft. long, to consist of one double leaf 80 ft. clear channel bascule span, 4,350 lin.ft. conc. pile trestle, 3,711 ft. hydraulic fill approaches, 24 ft. roadway and two 4.5 ft. sidewalks. Lowest three and highest bidders are: (A) Central Station Equipment Co., Seybold Bldg., Miami, (awarded contract); (B) General Construction Co., Tampa; (C) W. S. Lockman Construction Co., West Palm Beach; (D) C. E. Roberts, Tampa. J. L. Cresap, highway engineer.

	A	B	C	D
3 acres clearing and grubbing	$266.00	$200.00	$125.00	$200.00
113,537 cu.yd. hydraulic excav.	.15	.25	.30	.24
346 cu.yd. Class "A" conc. (seal)	30.23	94.00	22.00	38.00
1,030 cu.yd. Class "A" conc. (substructure)	21.65	48.00	22.00	38.00
1,183.58 cu.yd. Class "A" conc. (substructure-pile bents)	20.80	22.00	21.00	28.00
7,175 cu.yd. Class "A" conc. (superstructure)	21.81	20.00	26.00	34.00
8,774 lin.ft. conc. handrail	1.40	2.00	2.10	4.00
2,597,854 lb. reinforcing steel	.044	.045	.042	.0475
4 M ft. b.m. treated structural timber 16 lb.	120.00	130.00	130.00	150.00
640 lin.ft. treated trestle piling 16 lb.	.95	2.00	2.00	1.50
7,455 lin.ft. untreated piling	.68	2.00	.65	.70
34,745 lin.ft. precast conc. piling	3.05	2.75	2.85	4.20
500 cu.yd. sand cement riprap	16.00	10.00	16.50	15.00
8,680 lin.ft. conc. sidewalk	1.95	1.00	2.40	3.30
Bascule span (complete)	36,125.90	39,000.00	41,750.00	39,873.00
Control house (complete)	497.00	600.00	600.00	870.00
Totals	$532,015	$580,527	$580,815	$745,401

Engineering News-Record, Issue of November 15, 1928.

Pier—Long Beach, Calif.

Seven bids were opened by City, Aug. 3, stone, rubble mound pleasure pier, auditorium fill and appurtenant work on ocean front, difference between lowest and average, 8 per cent. Pier will be 3,700 ft. long, 36 ft. wide, with two 19 ft. 4 in. driveways of 5 in. asphaltic concrete, provided for two-way traffic. Will be flanked with wooden pier requiring 1,800 creosoted piles with 16 in. butt minimum placed 5 ft. 6 in. apart. Bidders are: (A) Hauser Construction Co., Security Bldg., (awarded contract); (B) Ross Construction Co.; (C) Twohy Bros. & Shea; (D) Butte Construction Co.; (E) Kern & Kibbe; (F) C. J. Kubach; (G) Mittry Bros. Co. W. R. Fleming, director Public Service.

	A		B		C		D		E		F		G	
	1-a	1-b	1-a	1-b	1-a	1-b	1-a	1-b	1-a	1-b	1-a	1-b	1-a	1-b
Pier enrockment, 296,000 tons; (a) 625 tons daily first month; 1,250 tons thereafter for 130 days; balance as contractor desires; (b) 1,000 tons daily first month; 2,000 tons thereafter for 130 days, balance as contractor desires	$1.60	$1.60	$1.40	$1.44	$1.38	$1.43	$1.18	$1.18	$1.65	$1.65	$1.60	$1.60	$1.50	$1.50
Pier trestle complete	270,000.00		315,000.00		345,000.00		351,960.00		332,595.00		374,854.00		393,000.00	
Retaining bulkhead complete	120,000.00		162,000.00		143,750.00		156,800.00		163,322.00		161,256.00		157,000.00	
219,000 cu.yd. hydraulic fill (within and outside bulkhead)	.44		.45		.437		.62		.60		.64		.675	
30 culverts in place in pier enrockment, bid per culvert	300.00		660.00		330.00		445.00		500.00		476.00		400.00	
Totals	$959,960		$989,950		$992,933		$993,820		$1,115,717		$1,122,870		$1,141,825	

Engineering News-Record, Issue of November 15, 1928.

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Bridge, Cleveland, O., Comrs. Cuyahoga Co., $10,000,000.

Court house, Milwaukee, Wis., Milwaukee Co., $6,000,000.

Airport, Detroit, Mich., voted $5,000,000.

Power plant, South Amboy, N. J., Jersey Central Power & Light Co., Morristown, sketches, $5,000,000.

Bridge, Portland, Ore., Comrs. Multnomah Co., retained engineers, $4,250,000.

Road improvements, St. Louis, Mo., paving during 1929, $4,000,000.

Power development, Trail, B. C., West Kootenay Power & Light Co., have applied for water rights, $4,000,000.

Hotel and resort, San Pedro, Calif., Los Angeles Hot Springs Co., $3,500,000.

Store and office, San Francisco, Calif., Texas Oil Co., Los Angeles, to exceed $3,000,000.

Bridge, Toledo, O., voted, $3,000,000.

Administration, Phila., Pa., Bd. Educ., $2,500,000.

Hospital, Cleveland, O., City, sketches, $2,425,000.

Office, Flushing, N. Y., Flushing Terminal Building Co., soon lets contract, $2,000,000.

Roads, Lubbock, Tex., Lubbock Co., election Dec. 1, $2,000,000.

Sanatorium, Cincinnati, O., Hamilton Co. voted $2,000,000.

Hotel, Milwaukee, Wis., J. R. Treuber, $2,000,000.

Apartment, St. Louis, Mo., Alco Investment Co., sketches, $2,000,000.

Sewers, Niles Center, Ill., $1,600,000.

Irrigation system, Edinburg, Tex., Hidalgo, Water Control & Impvt. Dist. 1, voted $1,500,000.

Factory, Barrington, Ill., Jewell Tea Co., Chicago, sketches, $1,000,000.

Hospital, Atlanta, Ga., election Dec. 5. $1,000,000.

Garage, Jersey City, N. J., Burstyn Heftler, Union City, revised plans, $1,000,000.

High school, Lynn, Mass., new sketches, $1,000,000.

Apartment, New York, N. Y., J. Garry, soon takes bids, $1,000,000.

Park system, Elizabeth, N. J., Union Co. Park Comn., appropriated $1,000,000.

Apartment, Toronto, Ont., Atlas Finance & Development Co., $1,000,000.

Office, Toronto, Ont., Canada Life Insurance Co., $1,000,000.

Hospital, Brooklyn, N. Y., Kingsway Hospital Constructors, Inc., $1,000,000.

Bids Desired

Highway, New York, N. Y., J. Miller, pres. Manhattan Boro, takes bids about Jan. 1, $13,500,000.

Board of trade and office, Chicago, Ill., Dec. 1, by archts., for Chicago Board of Trade, $7,500,000.

Copper refinery, El Paso, Tex., Phelps-Dodge Corp., El Paso and New York, taking bids materials, total $5,000,000.

Hospital, Jersey City, N. J., Dec. 13, by Bd. Freeholders Hudson Co., $2,000,000.

Bridge, Birmingham, Ala., Dec. 11, by Louisville & Nashville R.R. Co., W. H. Courtenay, Louisville, Ky., ch. engr. for owners, $1,500,000.

Public Bond Elections, coming and decided, are listed on Construction News page 277.

Airships hangar, Akron, O., Goodyear Zeppelin Corp., taking bids $1,000,000.

City hall, Bayonne, N. J., Bd. City Comrs., bids about Dec. 1, $1,000,000.

Bids Received

Bridge, New York and New Jersey, Port of New York Authority, New York, from American Bridge Co., New York, $5,041,770.

Subway, Brooklyn, N. Y., Bd. Transportation, New York, Sect. 5-A, Rte. 109 from Carlo Petrillo Co., $2,019,977.

Contracts Awarded

Plant, Hamilton, Ont., Steel Co. of Canada, Ltd., general contract to Hamilton Bridge Works and others, total est. $7,000,000.

Office, New York, N. Y., Bricken Constr. Co., separate contracts, to exceed $5,000,000.

Apartments, Redburn (mail Paterson), N. J., City Housing Corp., New York, separate contracts, $4,000,000.

Apartment, North Tarrytown (Ind. br. Tarrytown), N. Y., J. B. Rockefeller, New York, separate contracts $2,000,000.

High school, Coney Island (sta. Brooklyn), N. Y., archt. and supt. School Bldgs., to G. F. Driscoll Co., Brooklyn, and others, totaling $2,253,587.

Transmission lines, etc., Tennessee, Tennessee Electric Power Co., and subsidiary, Nashville, to Stevens & Wood, New York, est. $1,500,000.

College, Buffalo, N. Y., W. Haugaard, archt., Albany, to C. Everitt, for owners, $1,300,000.

Club house, Minneapolis, Minn., Calhoun Beach Holding Co., general contract to J. A. Holpuch Co., Chicago, Ill., est. $1,000,000.

Hotel, Covington, Ky., Covington Hotel Co., separate contracts under supervision of architect, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Haledon (mail Paterson) — Bd. Boro Council, Boro Hall, mains in Southside Ave. $15,000. W. Ferguson, 152 Market St., Paterson, boro engr.

Ill., Belvidere — Waterworks improvements. $35,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Ill., Benton—Central Illinois Pub. Serv. Co., preliminary plans 1 m.g. filtration plant. Private plans.

Kan., Prairie View — Soon takes bids waterworks. $17,000 bonds voted for same. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted Nov. 1.

Neb., Edison—Pumphouse, wells, mains, valves, hydrants. $20,000 or more. Henningson Eng. Co., 326 Union State Bank, Omaha, engrs.

Neb., Unadilla — K. C. Stoner, city clk., elevated tank, tower, pump house, wells, mains, valves, hydrants. $25,000 or more. Henningson Engr. Co., 326 Union State Bank, Omaha, engrs.

Mo., Hardin—Waterworks and sewerage system. $20,000. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Ark., Ozark — Water and distribution mains, sanitary sewers. $125,000. W. L. Winters, Merchants Bank Bldg., Ft. Smith, engr.

Okla., Oklahoma City—Preliminary plans extending mains between 12th and 23rd Sts., west of Pennsylvania St. $40,000. W. W. Small, City Hall, engr.

Okla., Wakita — Made surveys waterworks. $25,000. Milliken & Whiteneck, Southwest Natl. Bank Bldg., Oklahoma City, engrs.

Ont., Oshawa — City Council, 6 in. c.i. mains with valves, hydrants, in 3 avenues and 5 streets. $20,000. W. C. Smith, Municipal Offices, engr.

Bids Desired

R. I., Warwick—Nov. 26, by Town Clerk, Town Hall, 241,000 lin.ft. 6- to 30-in. c.i. mains, appurtenances, two hundred thirty-five 6- to 24-in. gate valves, 190 fire hydrants, for waterworks and meter register house; $400,000 bonds voted for same. Fay, Spofford & Thorndike, 44 School, St., Boston, Mass., engrs.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Brooklyn — Nov. 27, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenue Q, Ditmas, Flatbush, Foster, Miller, Nostrand, Utica and Van Sicklen Aves., Coyle, 65th, East 5th, East 34th, East 57th, East 95th, East 96th, and West 2nd Sts.

N. Y., New York — Nov. 27, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Polo and Sexton Pls., Grant, Odell and West 227th Sts., Arlington, Benedict, Bronxwood, DeReimer, Furman, Haviland, Morgan, Morris Park, Needham, Swinton, Westchester, Westervelt and Wickham Aves.

Ia., Denison — Nov. 26, by City Clerk, 300,000 gal. settling basin, aerator house, 31 x 52 ft. brick, tile filter house, one 500 and one 300 g.p.m. centrifugal pumps and motors, 3 dry chemical feed machines, 10 lb. solution chlorinator, 450 ft. 8- to 12-in. sewers. Rohrbough Eng. Co., 721 Omaha Loan & Building Assn. Bldg., Omaha, Neb., engrs. Noted Oct. 25.

Ont., Toronto—Nov. 27, by S. McBride, mayor, City Hall, 750 imp. g.p.m., 3 stage centrifugal pump and electric motor for filtration plant, Tender 51; 2 in. bronze gate valves, Tender 52. $5,000. R. C. Harris, City Hall, engr.

Bids Received

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Nov. 13, mains in Atlantic, Barlow, Bement, Decker Aves., from G. V. Cornell, 30 Egbert Pl., $36,100.

Mich., Detroit — Bd. Water Comrs., Oct. 24, 6,487 ft. 12 ft. concrete tunnel, Sect. 5, Springwells Water Tunnel as part of supply tunnel across city to Springwells Plant, from J. A. Mercier Co., Mercier Bldg., $572,479. Noted Oct. 4.

Mich., Detroit—Bd. Water Comrs., Nov. 14, pumping plant sub-station at Water Works Park, 45 ft. deep 56 ft. diam. pump pit, 62 ft. 10 ft. concrete tunnel 33 x 42 x 50 ft. screen chamber, from M. R. Hanna, Ryan and Nevada Rds.; $146,000. Noted Oct. 25.

See proposal advertising on page 123

Constr. News page 273

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE
It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Contracts Awarded

Mass., Springfield—At office Winston & Co., Inc., 277 Fair St., Kingston, N. Y., clearing, grubbing Cobble Mountain Reservoir, to B. F. Jones, Inc., 136 North 9th St., Newark, N. J., $140,410. Noted Oct. 4.

Pa., Phila.—Dpt. P. Wks., Bureau of Water, A. Murdock, dir., Contr. 928, to P. & A. J. Ellis, 4th and Wyoming Sts., $1,432,990; Contr. 949, to M. & J. B. McHugh, 892 North Markoe St., $41,829; Contr. 950, to A. P. Smith Mfg. Co., 275 North Arlington St., East Orange, N. J., $29,850. Grand total $1,504,669. Noted Nov. 1.

Mich., Pontiac — For 1,479 tons 8- to 16-in. c.i. pipe, 50 tons standard special pipe fittings, to J. B. Clow & Sons, North Talman Ave. and West Lake St., Chicago, Ill., $68,639. Noted Nov. 8.

Kan., Ness City—Waterworks, distribution system, to C. L. Burt, 1005 North Washington St., Hutchinson. Est. $63,000. Noted Oct. 25.

Mo., St. Louis—Bd. P. Serv., City Hall, complete heat insulation at Howards Bend Waterworks Station on Missouri River, St. Louis Co., to Phillip Carey Co., 4485 Duncan Ave. $31,600. Noted Oct. 11.

Tex., Dallas—Bd. City Comrs., pipe for waterworks, to U. S. Cast Iron Pipe & Fdry. Co., Magnolia Bldg., $1,264,000. Noted Sept. 6 under "Contracts Awarded."

Okla., Maud—F. Fowler, city clk., 50,000 gal. reservoir, pumping equipment, pipe lines, to Standard Paving Co., 2119 East 11th St., Tulsa, $19,450. Est. $18,000. Noted Nov. 1.

Ont., Arnprior—G. H. Moles, town clk., electric centrifugal pumps, to Turbine Equipment Co., 73 King St. W., Toronto; pressure filter, to General Supply Co. of Canada, 34 Toronto St., Toronto. Est. $15,000.

Sewers

Proposed Work

Conn., Fairfield — City retained W. G. Taylor & G. W. Knight, consult. engrs., 60 Park Pl., Newark, N. J., to make survey sanitary conditions and report on the matter sewers, sewage treatment by Mar. 1, 1929.

New Jersey—Cities of Montclair, Orange and Bloomfield, retained W. G. Taylor & G. W. Knight, consult. engrs., 60 Park Pl., Newark, to investigate drainage conditions in regards to Wigwam Brook and report on same this winter. Noted May 31.

N. J., Bradley Beach—Bd. Boro Comrs., Boro Hall, constructing 2 septic tanks, one at Evergreen and Ocean Aves., other at Ocean Park and Ocean Ave. $150,000. N. Rogers, 727 Mattison St., engr. Noted Nov. 15.

N. J., North Bergen (Ind. br. West New York)—Town Comrs., Town Hall, preliminary plans 48 in. brick sewers. $205,-305. R. Glenn, twp. engr.

N. J., Princeton—Boro and Twp., sewage disposal plant, on Millstone River, near Carnegie Lake. $1,000,000. N. S. Hill, Jr., 112 East 19th St., New York, engr.

Mich., Detroit—Dpt. P. Wks., 62,435 ft. 12- to 24-in. concrete or vitr. pipe and 2-ring brick sewers in Laterals 5118, 5119, 5149, 5152 and 5153; 16,824 ft. 12- to 18-in. in Laterals 5162, 5163, 5165, and 5174. P. A. Fellows, city engr.

Mich., Pontiac—For 6,500 ft. 12- to 36-in. vitr. or concrete sewers in Robert Hendersons Pontiac Apartment Subdivision. $25,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

O., Akron—F. E. Swineford, dir. Dpt. P. Serv., bids about Jan. 1, 7,650 ft. 18- to 20-in. vitr. clay sanitary sewers in Hawkins Ave. and right-of-way; 3,485 ft. 54 and 57 in. alternate types sewers in Little Cuyahoga River Interceptor between East North and Arlington Sts.; 6,295 ft. 39- to 87-in. in Little Cuyahoga River Interceptor between Ravine and East North Sts. A. B. Backherms, Municipal Bldg., engr.

Ill., Arlington Heights—Relief and trunk sewers, disposal plant. $1,100,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Ill., Harvey—Relief sewers. $1,200,000. P. Robinson, Harvey, engr. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs. Noted Jan. 19.

Ill., Niles Center—Emmerson Street Sewerage System. $1,600,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Mo., Eldon—Sewers, disposal plant. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Mo., Hardin—See "Waterworks."

Ark., Osceola — Soon takes bids sewers and disposal plant, Sewer Impvt. Dist. 5. $92,000. T. H. Allen, 65 McCall St., Memphis, Tenn, engr.

Ark., Ozark—See "Waterworks."

Okla., Oklahoma City — Sanitary sewers in Delmar Garden addition. To exceed $25,000. W. W. Small, City Hall, engr.

Okla., Thomas—Sewers, sewage disposal plant. $45,000 bonds voted for same. Milliken & Whiteneck, Southwest Natl. Bank Bldg., Oklahoma City, engrs. Noted Oct. 4.

Okla., Yukon — Sewage disposal plant. To exceed $25,000. C. A. Wood, Stillwater, engr.

Ont., Hamilton—Council temporary outfall sewer, 2 each grit chambers, screens, grease traps. $193,000. W. L. McFaul, City Hall, engr.

Okla., Hominy—Sanitary sewerage system in Mullins addition. To exceed $25,000.

Ont., Orillia — For 2 mi. 8 in. and up sewers, sewerage pumping station, c.i. sewage force main and sub pumping station. $85,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted Oct. 25.

Ont., Oshawa—New concrete, rein.-con. activated sludge sewage disposal plant, sewers, pumps, aerators, compressors, electric motors and piping. $534,600. W. C. Smith, Municipal Offices, town engr. Gore, Nasmith, Storrie, Confederation Life Bldg., Toronto, consult. engrs.

Ont., Toronto—Scarborough Twp. 4-5 mi. 8 in. and up vitr. tile sewers in Kennedy Heights, Sandown Park and Scarboro Bluffs, Sewer Area 2. $250,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Ont., Toronto — For 8 in. and up vitr. tile sewers in Edith Dr., Chaplin Crescent, 3 streets, 7 avenues and 4 roads. $125,-000. R. C. Harris, City Hall, engr.

Ont., Woodstock—City Council extending storm sewers. $50,000. F. J. Ure, City Hall, engr.

Bids Desired

R. I., East Greenwich—Nov. 30, by Sewer Comrs., sewerage system, disposal plant. Waterman Eng. Co., 86 Weybosset St., Providence, engrs.

N. Y., Long Island City—Nov. 26, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Laurel Hill, 44th (Alexis St.), Forest, 103rd, 104th and 109th Aves., 61st (8th), 99th, (42nd), 170th (30th), 91st, 125th, 203rd and 205th Sts.

N. Y., Northport — Dec. 8, at office A. Gardiner, village clk. 24,000 lin.ft. vitr. and c.i. sewers, small sewage works. M. Vrooman, Gloversville, engr.; adv. E. N.-R. Nov. 22.

N. J., East Orange—Nov. 26, by Bd. City Council, 18 in. double strength vitr. sewers in Grand and Tremont Aves. $25,000. E. Willigerod, city engr.

Mich., Detroit—Dec. 1, by G. A. Dingman, drain comr. Wayne Co., Lawyers Bldg., Dix Harger Trunk Drain, 620 ft. 12 in. vitr. clay, 7,412 ft. 27- to 66-in. rein.-con. pipe in Lincoln and Allen Parks. $150,000. Pate, Bacon & Hammen, Transportation Bldg., engrs.

Mich., Grosse Ile — Nov. 26, by G. A. Dingman, Wayne Co. drain comr., Lawyers Bldg., Detroit, 9,546 ft. 12- to 48-in. concrete and rein.-con. sewers in Bellevue Ave. and 6 streets, Grosse Ile Drain 4, Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs. Noted June 21.

Ill., Chicago—Dec. 13, by M. J. O'Brien, clk. Sanitary District of Chicago, 910 South Michigan Ave., Racine Avenue Sewage Pumping Station, Div. A. T. J. Crowe, pres.

Ia., Iowa City—Nov. 23, by G. J. Dohrer, city clk., 13,425 ft. 8 and 12 in sanitary sewers. $29,000. A. Wallen, city engr.

Calif., Los Angeles — Dec. 3, by Bd. Supervs., Los Angeles Co., 27,725 ft. 8 and 10 in. cement sewer, 20,040 ft. 6 in. cement house sewers in Walnut Lawn, C. I. 686. $73,383. W. F. Foster, Klinker Bldg., engr.

Ont., Toronto—See "Contracts Awarded."

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 14, removing sludge from sewers in 60th St. from P. Tomasetti Contg. Corp., 1074 60th St., $44,-625; constructing sewer in 83rd St., from F. Vaccario, 1024 66th St., $4,139. Noted Nov. 8.

O., Akron—F. E. Swineford, dir. P. Service, Nov. 7, 7,605 ft. 12- to 78-in. rein.-con., vitr. clay main trunk sewer for storm and sanitary sewerage in Weston Rd., from B. F. Perry, 788 Noble Ave., $239,080. Est. $302,453. Noted Nov. 1.

Mich., Detroit — J. W. Reed, comr. P. Wks., Nov. 14, East Jefferson and Connors Creek Sewage Pumping Station, rein.-con., brick, steel, from R. D. Baker, 1631 Elmhurst Ave., $707,000. Est. $1,250,000. Noted Sept. 27.

Tex., Houston — City, Nov. 1, extending storm and sanitary sewerage system in North Main St. and Houston Ave., from C. K. Horton, 2200 Clay St., Houston, $50,-213. Est. $55,000.

Calif., Los Angeles—Bd. P. Wks., Arroyo de la Sacatela Storm Drain System 2, from J. F. Shea, 525 Market St., San Francisco, $925,839.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 53rd St. and Utica Ave., to Manmill Constr. Co., 1780 Pitkin Ave., $3,042 and $926 respectively; Bay 7th and Bay 8th Sts., to J. Peconi Contg. Co., 152 East 4th St., $15,-124. Grand total $19,091.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sewer in West St. and new outlet under Pier New 3, North River, to Murphy & Richmond, 50 Court St., Brooklyn, $35,267. Noted Oct. 27.

N. Y., Rochester—Bureau Construction, E. C. Widman, ch. clk., City Hall, sewer in Carlin Rd., to A. Petrossi, 605 Duffy-Powers Bldg., $30,188.

Md., Baltimore—Bd. Awards, sanitary sewers, storms drains in Dists. 47 and 49, in Storm Water Contr. 121, to Catalano & Pecora, Old Town Natl. Bank Bldg., $114,-061. Noted Nov. 15.

Ind., Gary—Storm sewers in Bway., to Cities Constr. Co., Hammond, $174,108.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to General Contractors, 4728 Lisbon Ave., sewer in Auer Ave. $6,531, Burrell St. $1,505, 37th Ave. $1,775, Dixon St. $1,620; to Zimmermann & Zimmermann, 2826 State St., 18th St. $8,199, Locust St. $11,899; to Hohensee, 1282 10th Ave., 75th St. $14,305, 32nd St. $1,220; to Werner Co., 728 8th Ave., Wauwatosa, 73rd St. $15,068. Grand total $62,435.

Okla., Lawton—Outfall sewer, disposal plant, to Earl W. Baker & Co., Perrine Bldg., Oklahoma City, $108,060. Est. $115,-000. Noted Sept. 6.

Calif., San Rafael — E. W. Smith, city clk., pumping plant, outfall sewer, to W. J. Tobin, 527 Santa Ray Ave., Oakland, $84,-566. Noted Nov. 8.

Ore., Klamath Falls—Sewers in Mills Addition, to J. F. Shea Co., Henry Bldg., Portland, $113,514.

Ont., Port Colborne—Two concrete, rein.-con. sewage disposal plants in connection with new sewerage system, to R. H. McGregor, 261 Donlands Ave., Toronto, $65,-000. Noted Nov. 1.

Ont., Oshawa — W. C. Smith, engr., Municipal Offices, St. Julien St. Sewer, 3,800 ft. 24 in. concrete pipe, to Hillcrest Constr. Co., 1423 Sufferin St., Toronto. Est. $30,000.

Ont., Toronto — For 8 and 12 in. vitr. tile sewers in Carlaw Ave., to W. R. Worthington Constr. Co., Roselawn Ave., $9,510; Glengrove Ave., to Mitchell Contg. Co., 28 Moore Ave., $15,380; Toronto St., to Ruscica Bros., 84 Woodycrest Ave., $3,184; Oriole Parkway, to owners by day labor, $2,314. Grand total $30,388.

Ont., Toronto—For 8 in. and up vitr. tile, concrete sewers in Villiers St. and Servington Crescent Sect. A-B, to Ronco Bros., 224 Rosemount Ave., $10,833; sewer in Hilldale Ave., Sect. A-B, to P. Mohan, 232 Withrow Ave., $16,795; in 4 avenues, Sects. C-D, to A. Damico, 1443 Dufferin St., $29,-595; Imperial St., Sects. A-B and C-D, and St. Hildas Ave., to L. Mallio, 666 Dundas St. E., $3,235; Davisville Ave., Sect. B-C and Rochampton Ave., Sect. D-E, to Diles & Co., 239 Bellwoods Ave., $13,917; Davisville Ave. Sect. C-D, to A. Cavotte, 941 College St., $12,300; Eglinton Ave., Sect. C-D, day labor, $8,425. Grand total $95,105.

Ont., Toronto—Vitr. tile sewers in Sherwood Ave. and Lascelles Blvd., to John Maguire Contg. Co., 172 Eglinton Ave., $16,368; lane near Palmerston Ave., to Ronco Bros., 224 Rosemount Ave., $1,137; Saulter St., to Thomas Agnew & Sons, 350 Concord Ave., $9,617; lane near Dundas St., to P. Carradi, 19 Hocken Ave., $5,024. Grand total $32,146.

Waste Disposal

Bids Desired

Pa., Greenville—Dec. 11, by J. M. Hittle, borough secy., Hutcheson Bldg., garbage incinerator, 30 ton capacity, chimney. J. N. Chester Engineers, 813 Clark Bldg., Pittsburgh, engrs.; adv. E. N.-R. Nov. 22.

Constr. News page 274

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Cleveland, Ohio

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E. W. HAWKE, Mgr.

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MICHIGAN REP.
M. R. DICKIE
717 Arbor Street
Ann Arbor, Mich.

INDEPENDENT CONCRETE PIPE COMPANY
202 N. West St. Indianapolis, Ind.

Bridges

Proposed Work

Ky., Louisville—City, c/o Bd. P. Wks., City Hall, viaduct, on 3rd St. and Eastern Parkway. To exceed $300,000. A. A. Kreige, city engr.

O., Cleveland — Comrs. Cuyahoga Co., concrete bridge, from Lorain to Central Aves. $10,000,000. Modjeski, Masters & Chase, 1430 Walnut St., Phila., Pa., and 121 East 38th St., New York, consult. engrs.

O., Toledo—New bridge over Maumee River. $3,000,000 bonds voted for same. L. T. Owen, City Hall, engr.

Wis., Watertown—Cole Memorial Bridge. $70,000. Consoer, Older & Quinlan, Inc., Madison, consult. engrs.

Kan., Atchison—See "Streets and Roads."

Kan., Jetmore—See "Streets and Roads."

Missouri—State Hy. Comn., Jefferson City, steel truss bridge over McKenzie Creek, Wayne Co.; bridges over Platte River, Platte River Overflow and Mogro Creek, all Andrew Co. T. H. Cutler, ch. engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans 1,500 ft. rein.-con. viaduct, 60 ft., over River Des Peres, on Manchester Ave. $475,000. L. R. Bowen, 301 City Hall, engr.

Okla., Sand Springs — State Hy. Dpt., Oklahoma City, bridge over Arkansas River, Tulsa Co., here. $250,000. Wood & Witten, Lynch Bldg., and V. H. Cochran, Wright Bldg., both Tulsa, engrs.

Arizona—State Hy. Comn., Phoenix, rejected bids Oct. 29, Black River Bridge, Rice-McNary Hy. W. C. Lefebvre, hy. engr. Noted Oct. 18.

Wash., Seattle—King Co., 135 ft. steel bascule lift bridge, 125 ft. clearance over Dwamish Waterway at South Park, incl. structure $175,000, steel substructure $280,-000, erecting steel $100,000, electrical equipment $25,000, permanent approaches, condemnation $150,000. $780,000 bonds voted for same. D. Evans, Seattle, engr. Noted Sept. 27.

Ore., Portland — Comrs. Multnomah Co. retained Robinson & Steinman, consult. engrs., 117 Liberty St., New York, to design and construct St. Johns Bridge over Willamette River. $4,250,000. Noted June 14.

Bids Desired

New Jersey — Dec. 10, by State Hy. Comn., Trenton, bridge over Overpeck Creek, Routes 5 and 6, Ridgfield Park, Bergen Co.; bridge over Lehigh Valley R.R., Route 25, Sect. 5, Metuchen, Middlesex Co. A. L. Grover, ch. clk.; adv. E. N.-R. Nov. 22.

Fla., Jacksonville—Union Terminal Co., opens bids about Dec. 1, approaches, sidewalk and roadway Beaver St. Viaduct over Terminal tracks, for City, State and Union Terminal Co. $600,000. Noted Nov. 15.

Ala., Birmingham—Dec. 11, by Louisville & Nashville R.R. Co., W. H. Courtenay, ch. engr., Louisville, Ky., 600 ft. rein.-con. viaduct, on 22nd St., $1,500,000, for City, Louisville & Nashville and Southern Rys. Noted July 19.

La., Girard—Dec. 18, State Hy. Comn., Baton Rouge, 778 ft. bridge over Boeuf River, on Federal Aid Project 182-A, on Rayville-Monroe Hy., Richland Parish. J. M. Fourmy, Baton Rouge, state engr.

Kentucky—Dec. 19, by State Hy. Dpt., Frankfort, two 110 ft. span steel superstructure with rein.-con. floor over Sugar Creek, on Warsaw-Florence Rd., F. A. 168 B-B, Gallatin Co.—two 110 ft. span steel superstructure with rein.-con. floor over Gasper River, F. A. 182 B-B, Warren Co. J. S. Watkins, hy. engr.

Ohio—Nov. 30, by H. J. Kirk, dir. Hys., Columbus, 174 ft. span steel bridge, and five 40 ft. span concrete beam bridge, Sects. C-1 and C-2, State Rd. 7, Belmont Co. $32,572—4 concrete bridges Sect. O, State Rd. 156, Muskingum Co., $32,572—spandrel filled concrete arch bridge over Maumee River, on U. S. Rd. 24, Henry Co., $400,403.

Mich., Coldwater—Dec. 4, by Wolverine Portland Cement Co., two 17 ft., one 49 ft. span steel deck girder bridge on 4 rein.-con. piers, 18 ft. high over Long Lake Outlet, 22 ft. $25,000. Private plans.

Wisconsin—Nov. 27, by State and Sauk Co. Hy. Comns., Madison, Dalton Bridge, on U. S. Hys. 12 and 13, Federal Aid Project, 418-B, Sauk Co. J. C. Jones, acting div. engr.

Iowa — Nov. 27, by State Hy. Comn., Ames, three 90 x 20 ft. skew pony trusses, one 110 x 20 ft. deck truss with two 50 x 20 ft. deck girder approaches, U. S. Rd. 32, B-571, Cass Co.—60 x 24 ft. plate girder with two 40 x 24 ft. I-beam approaches, Primary Rd. 113, F. A. B. 249, Delaware Co.—150 x 20 ft. high truss bridge with 40 ft. I-beam approaches, also 40 culverts, Primary Rd. 2, B-529, Warren Co.—two 32 x 24 ft. I-beam bridges, Primary Rd. 11, B-177, Winneshiek Co.—29 culverts Primary Rd. 13, B-158, Allamakee Co.—22 culverts, extensions, U. S. Rd. 55, B-586, Clayton Co.—6 culverts Primary Rd. 4, B-562, Fremont Co.—8 culverts Primary Rd. 117, B-532, Jackson Co.—2 culverts Primary Rd. 3, B-185, Van Buren Co. R. F. White, hy. comr.

Que., Quebec—Nov. 26, by City Council, two 176 ft. span steel bridges over St. Charles River. $65,000. Eng. Dpt. P. Wks., Quebec, engrs. Noted Nov. 8.

Bids Received

New Hampshire — See "Streets and Roads."

New York and New Jersey—Port of New York Authority, 75 West St., New York, Nov. 19, steel work for Kill von Kull Bridge between Bayonne, N. J., and Port Richmond, N. Y., from American Bridge Co., 30 Church St., New York, $5,041,770. Noted Nov. 8.

N. J., Hawthorne — Bd. Freeholders Passaic Co., Court House, rein.-con., steel bridge on Warburton Ave., from F. W. Schwiers, Jr. Co., 90 West St., New York, $25,200. Noted Nov. 8.

Kentucky and Indiana—See "Streets and Roads."

Contracts Awarded

New York — A. W. Brandt, comr. Hys., Albany, two 71 ft. plate girder bridges on Matteawan-Wicope Rd., Hy. 567, Dutchess Co., to A. W. Gill, Leonia, N. J., $73,464. Noted Nov. 8.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, replacing bridge over Palmers Run, on Houghwout and Barrett Aves., to A. Galante, 528 Cary Ave., $16,147. Noted Oct. 25.

N. J., Belvidere — Warren Co., Court House, rein.-con. bridge over Bulgins Brook, to S. S. Thompson & Co., 170 Monmouth St., Red Bank, $55,166.

N. J., Perth Amboy—State Hy. Comn., Trenton, reconstructing roadway deck and part sidewalk deck of Convery Pl. Bridge over Lehigh Valley R.R., on Route 4 (1927), Middlesex Co., to Liddle & Pfeiffer, 149 New Brunswick Ave., $21,841. Noted Oct. 25.

D. C., Wash. — District Comrs., District Bldg., steel roadway for bridge across Rock Creek, to Farris Eng. Co., Empire Bldg., Pittsburgh, Pa., $167,314. Noted June 14.

Tennessee—State Dpt. Hys. & Pub. Wks., Nashville, bridges in Stewart Co., to Gould Constr. Co., Independent Life Bldg., 10th Ave. N., Nashville, $408,664—Hancock Co., to Bateman Constr. Co., Chattanooga, $74,-382—Hancock Co., to Vincennes Indiana Bridge Co., Vincennes, Ind., $12,920—Clay Co., to Nashville Bridge Co., foot of Shelby Ave., Nashville, $12,920—Henry Co., to Forcrum-James Co., Dyersburg, $26,633—Davidson Co., to E. A. Woods & Co., Andrews, N. C., $133,893—Lawrence Co., to Alley Constr. Co., Bristol, $11,064—Madison Co., to F. V. Ragsdale, Dermon Bldg., Memphis, $39,938—Putnam Co. to W. T. Moore, Andrews, N. C., $27,612—Gibson Co., to M. K. Orr, Little Rock, Ark., $36,250—Weakley Co. to Pittsburgh-Des Moines Steel Co., Des Moines, Ia., $43,491—Gibson Co., to S. R. Hays & Co., Newbern, $26,100—Henry Co., to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., $94,349—Hamilton Co., to M. P. Smith Constr. Co., Knoxville, $101,774—Davidson Co., to G. A. Thompson & Co., Nashville, $58,312. Grand total $1,108,302. Noted Oce. 4 under "Streets and Roads."

Michigan — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Kan., Eureka—Greenwood Co., one 90 ft. arch and two 35 ft. deck girder spans on Project 672, to Yancey Constr. Co., Abilene, $18,807. Noted Oct. 25.

Kan., Iola—Allen Co., three 80 x 20 ft. span arch bridge, to A. L. Cook, Ottawa, $34,472. Noted Nov. 1.

Kan., Westmoreland—Pottawatomie Co., 1 bridge on Project 40-29, Federal Aid Project 355-E and F, to Western Bridge Co., Harrisonville, Mo., $24,540—3 bridges, to McFarland Constr. Co., McFarland, $18,-629 — 4 bridges, to Hall-Hardman Co., Alton, $12,745—viaduct, to Weldon Constr. Co., Iowa Falls, Ia., $30,124. Grand total $86,038. Noted Oct. 14 under "Streets and Roads."

Kan., Winfield — Cowley Co., 8 bridge projects, incl. 919 cu.yd. concrete, 125,-000 lb. reinforcing, 1,260 lin.ft. creosoted piling, to R. F. Kinder Constr. Co., 622 Dwight Bldg., Kansas City, Mo., $27,448.

California—State Hy. Comn., Sacramento, rein.-con., steel overhead crossing over Atchison, Topeka & Santa Fe R.R., Orange Co., to J. Simpson Co., 701 Antonio St., Los Angeles, $58,109; repairing bridge over Sacramento River east of Redding, Shasta Co., to M. B. McGowan, 74 New Montgomery St., San Francisco, $31,564. Noted Nov. 15.

Calif., Nicolaus—Sutter Co. (Yuba City) new pier, protection work at Nicolaus Bridge over Feather River, to Holdener Constr. Co., 2608 R St., Sacramento, $44,-980. Noted Aug. 23.

Dams

Proposed Work

N. J., Red Bank — Bd. Town Council, Town Hall, rein.-con. dam in Shrewsbury River, above Coopers Bridge. $25,000. Engineer not selected.

W. Va., Charleston — New Kanawha Power Co., Glenn Ferris, subsidiary of Union Carbine & Carbon Co., 30 East 42nd St., New York, authorized by Public Service Comn., 2 dams on New River at Hawks Nest. Initial expenditures about $7,000,000. Noted Oct. 4.

Wis., Bristol — L. A. Harris Co., 1st Natl. Bank Bldg., Chicago, Ill., earth dam, concrete core wall and spillway. $25,000. Consoer, Older & Quinlan, Inc., Engineering Bldg., 205 West Wacker Dr., Chicago, Ill., consult. engrs.

Bids Desired

Ill., Morris—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Bids Received

Calif., Los Angeles—Supervs. Los Angeles Co., Nov. 14, San Gabriel Flood Control Dam, 425 ft. high, 2,200 ft. on crest, 412 ft. at base, incl. 1,200,000 cu.yd. excav., 2,800,000 cu.yd. concrete, 2,400 tons metal work, Proposal 1 from Ross Constr. Co., MacDonald & Kahn, and C. Fisher, 756 South Bway., Los Angeles, combined bid $11,250,040; from L. Atkinson, 609 South Grand St., Proposal 2 district supplies half the aggregate $11,727,390, Proposal 3 district supplies all the aggregate $11,157,390. Noted Sept. 20.

Contracts Awarded

Tex., Austin—City, c/o A. R. Johnson, mgr., constructing dam, changing channel, sloping banks Bartons Creek from Bartons Springs Rd. to bathing pool, to J. F. Johnson, 3rd St. and Red River, $22,536; constructing wading pool, sidewalks, retaining walls above bathing pool, to C. A. Manfries, 819 West 12th St., $3,591. Noted Nov. 1.

Railways

Proposed Work

Texas—City of Houston and Port Commission, Court House, Houston, realignment public belt railway tracks in Harrisburg. $100,000. J. C. McVea, Houston, engr.

Bids Desired

D. C., Wash. — Nov. 27, by District Comrs., District Bldg., relocating street railway tracks on Wisconsin Ave. from River Rd. to District line.

Bids Received

Texas — Port Commission, Court House, Houston, constructing 4.3 mi. railroad, and extension to site of proposed Roxana Refinery, in Houston, from B. P. Panas, Binz Bldg., Houston, $89,068. Est. $140,000.

Contracts Awarded

Manitoba—Canadian Natl. Ry., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. (constr.), constructing 42 mi. railway in northwesterly direction from Flin Flon line at Mileage 51, to Dominion Constr. Co., Winnipeg.

Airports

Proposed Work

AIRPORT — Detroit, Mich. — City, airport, incl. hangars, shops, paved runways. $5,000,000 bonds voted for same. P. A. Fellows, City Hall, engr. Noted Oct. 18.

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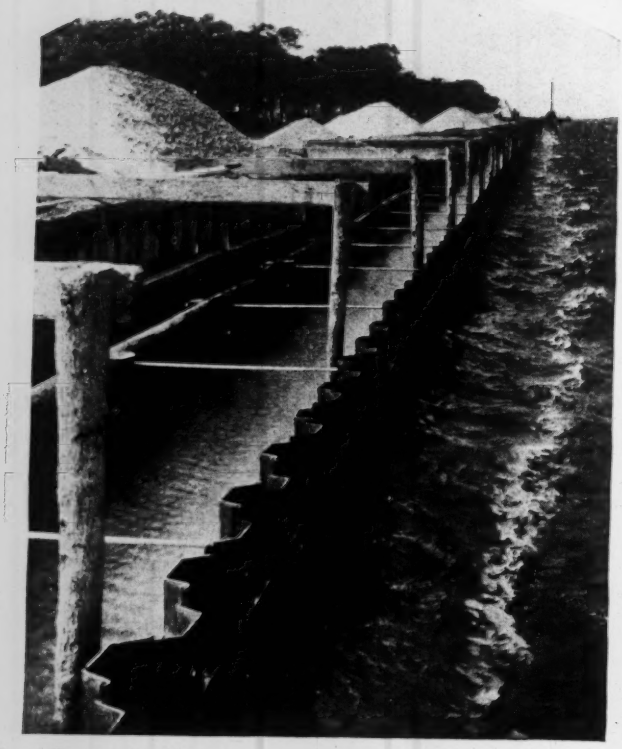
Lackawanna Steel Sheet Piling in *Mile-long* Sea Wall *at* Long Beach, N.Y.



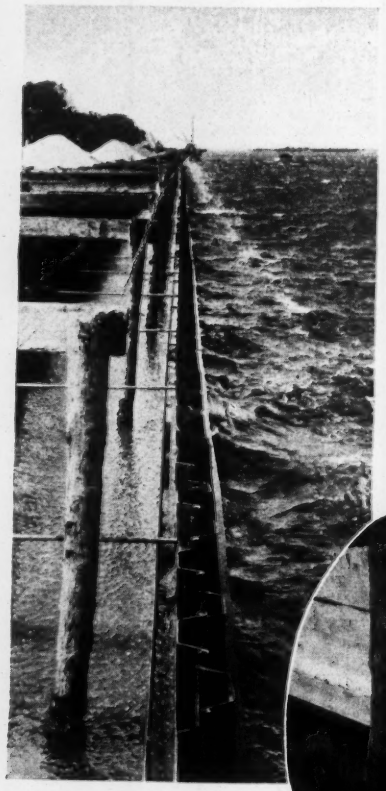
Deep-Arch Section DP165 Lackawanna Steel Sheet Piling was used in the construction of a sea wall, 5,320 feet long, for the City of Long Beach.

The Steel Sheet Piling was jetted into the sand, then driven a few feet to final penetration by drop hammer. The piling was used in 18-foot lengths; the total penetration was 12 feet.

The high transverse strength of Lackawanna Steel Sheet Piling makes it particularly suitable for installations of this type.

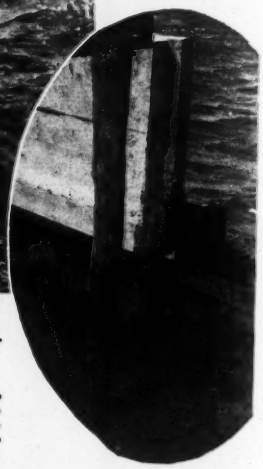
A. Shrir er, City Engineer, City of Long Beach, N. Y.

A. M. Hazell, Inc., New York City Contractor

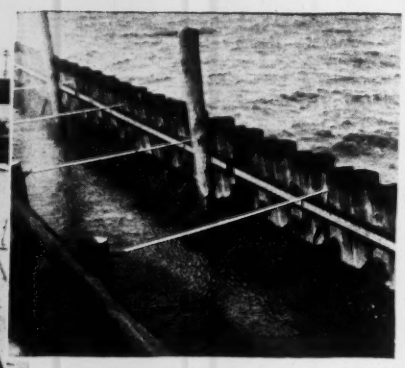


Left: The overall thickness of this piling wall explains the high transverse strength of the Deep-Arch Section. Note the excellent alignment obtained in driving.

Below: Detail of reinforced concrete cap which protects steel against corrosion. On the outside the concrete extends below low water.



Above: Front of piling wall showing steel channel wale.



Above: Timber anchorage, tie rods, and the channel wale for supporting concrete cap.

Left: Freshly poured concrete which will protect the piling against corrosion above low water level. A portion of the completed wall shows in the background.

BETHLEHEM STEEL COMPANY

General Offices: Bethlehem, Pa.

District Offices: New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Cincinnati, Detroit, Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.

Bethlehem Steel Export Corporation, New York
Sole Exporter of our Commercial Products

BETHLEHEM

Airports—(Continued)

AIRPORT—**St. Paul, Minn.**—J. H. McDonald, comr. P. Wks., additional hangars, heating equipment, filling, at municipal airport. $200,000. J. W. Kelsey, city engr.

AIRPORT IMPROVEMENTS — **Pueblo, Colo.** — City, J. W. Carpenter, clk., beacon, safety and landing lights, surfaced runways, underground oil, gas, water and air servicing equipment. D. P. Gaymon, city engr.

Bids Desired

AIRSHIP HANGAR—**Akron, O.**—Goodyear Zeppelin Corp., K. Arnstein, vice-pres., taking bids 1 story, 200 ft. high, 315 x 1,110 ft., brick, steel hangar. $1,000,000. Wilbur, Watson & Associates, 4614 Prospect Ave., Cleveland, archts. Concrete piling awarded to MacArthur Concrete Pile & Foundation Co., 55 John St., New York City.

Contracts Awarded

AIRSHIP HANGAR — **Akron, O.** — See "Bids Desired."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Weymouth (Ind. br. Boston)—Town, F. G. Bauer, chn. building com., 120 ft. brick, cast stone retaining wall, 7 ft. high, Academy Rd. McLaughlin & Burr, 88 Tremont St., Boston, engrs.

N. J., Beachhaven—Boro, A. P. King, clk., stone jetty with timber core. $60,000. B. A. Sleeper, engr.

N. J., East Paterson—Bd. Boro Council, Gilbert Ave. School, draining flood water from brook running through southern section. $163,000. A. Noack, 106 Sommerset St., Garfield, engr.

N. J., Long Branch — Bd. City Comrs., City Hall, timber, concrete bulkhead and jetty. $50,000. Engineer not selected.

La., New Orleans — Sewerage & Water Bd., lined and covered drainage canals in Mirabeau and North Rocheblave Aves. $170,000. G. G. Earl, S. and W. B. Bldg., engr.

Tex., Bonham—Fannin Co. Levee Impvt. Dist. 2 reclaiming 10,000 acres, incl. construction 35 mi. main and lateral channels. $250,000. H. J. Wilkins, engr.

Tex., Bonham—Fannin Co. Levee Impvt. Dist. 4, 10 mi. ditches, incl. 350,000 cu.yd. excav. F. Leslie, Bonham, atty. J. H. Wilkins, engr.

Tex., Ingleside—City and Humble Oil & Refining Co., Ingleside, surveys draining, reclaiming several thousand acres. $30,000. Private plans.

Bids Desired

Ill., Morris—Dec. 19, at office Dpt. Purchases & Constr., Division Waterways, Springfield, Dresden Island Lock and Dam in Illinois River, 7 mi. from here. L. D. Cornish, ch. engr.; adv. E. N.-R. Nov. 22.

Ill., Urbana—Nov. 26, by Commissioners Salt Fork D. D., Champaign Co., drainage work, incl. 74,462 cu.yd. excav., blasting, replacing 36 cu.yd. bridge abutments, 7.8 mi. clearing, 960 ft. corrugated iron 7,475 cu.yd. rein.-con. headworks, spillways. G. C. Sperling, Urbana, engr.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 14, dredging Newtown Creek, from Joseph McSpirit & Son, Inc., 40 Glenwood Ave., Jersey City, N. J., $22,010; Gowanus Canal, from Taylor & Pearson, Inc., 50 Church St., New York, $13,000; Wallabout Canal, from William Beard & Co., 59 Pearl St., New York, $6,320. Noted Nov. 8.

Louisiana — State Bd. Engineers, New Court House, New Orleans, 55,500 cu.yd. levee work in Wild Lucia Levee and 45,000 cu.yd. levee work in Rock Point Levee, from Ober & Lambert, Shreveport, at $0.239 per cu.yd.; 49,500 cu.yd. Jetter Levee, from J. Forbes, Marksville, at $0.269 per cu.yd.; 13,652 cu.yd. in Lacey Bayou, from E. A. Enloe, Shreveport, at $0.299 per cu.yd.

Contracts Awarded

N. Y., New York — M. Cosgrove, comr. Docks, Pier A, Battery Pl., dredging slips adjacent to Pier 46, to H. N. DuBois Sons, 17 State St., $24,596. Noted Oct. 11.

Michigan — L. R. Doane, drain comr. Ingham Co., Mason, 15.5 mi. open cut and 3.5 mi. tile drain in McCrea Drain, Ingham and Shiawasse Counties, 10 sections to W. Thatcher, Flint, $24,000; 9,000 ft. tile drains, to F. Gailey, Danville, $1,926; 15 bridges to Wolverine Eng. Co., Mason, $24,950. Grand total $50,876. Est. $70,000. Noted Oct. 18.

Ia., Le Mars—Plymouth Co., to G. W. Condon, 223 Grain Exch. Bldg., Omaha, Neb., main and lateral D. D. 3, 162,667 cu. yd. excav. at $0.74 per cu.yd., 9,600 cu.yd. $0.20.

Kan., Wichita—Sedgwick-Sumner D. D. 1, F. C. Hukle, secy., main ditch, levees, sluiceways, one 36 ft. I-beam bridge, to List & Bagnell, 415 Ry. Exch. Bldg., Kansas City, Mo., $21,500.

B. C., Steveston — Dominion Govt., Ottawa, Ont., repairing North Jetty, Sect. 4, in Fraser River, to Vancouver Pile Driving & Contg. Co. Ltd., 207 Hastings St. W., Vancouver, $58,550.

Streets and Roads

Proposed Work

New Hampshire — State Hy. Dpt., Concord, 3 in. gravel on 6 in. gravel paving, 2 bridges on 2.329 mi. Mascoma Valley Rd., Grafton. L. F. Johnson, Lebanon, engr.

New Jersey—State Hy. Comn., Trenton, boulevard on east side, Paterson, Passaic Co. $800,000. W. G. Sloan, Trenton, state engr.

N. J., Clifton — Bd. City Council, City Hall, grading, curbing, guttering, bituminous macadam paving Hutherford Blvd. between Main and Passaic Aves. $55,000. J. L. Fitzgerald, city engr.

N. J., Clifton—Preliminary plans grading, bituminous macadam paving Byron Pl. and Carolina Ave. $26,000. J. L. Fitzgerald, city engr.

N. J., East Somerville (mail Somerville)—Boro Council, Boro Hall, preliminary plans grading, curbing, sidewalks on Fairmount and Southside Aves. $29,000. W. Berryman, boro engr.

N. J., Fort Lee—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving North and 2nd Sts. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., grading, 6 in. bituminous macadam paving Sanford and Kipp Sts. $50,000. F. Campbell, city engr. Noted Oct. 25.

N. J., Hasbrouck Heights (Ind. br. Hackensack)—Bd. Freeholders Bergen Co., Court House, Hackensack, preliminary plans grading, rein.-con. paving Henry St. $50,000. R. McClave, Court House, Hackensack, co. engr.

N. J., Hawthorne — Bd. Freeholders Passaic Co., Court House, Paterson, grading, sheet asphalt on concrete paving Lafayette Ave. from Rea Ave. to Goffle Rd. $65,000. G. Ferguson, Court House, Paterson, co. engr.

N. J., Lodi (Ind. br. Hackensack)—Bd. Boro Council, Boro Hall, grading, sheet asphalt on concrete paving Washington St. from Main to Prospect Sts. $30,000. A. Noack, 236 Main St., Hackensack, boro engr.

N. J., Montclair — Bd. Town Comrs., Administration Bldg., preliminary plans grading, sheet asphalt on concrete paving along Erie R.R. between Lorraine Ave. and Jerome Pl. $25,000.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, grading, paving Kansas Ave. $25,000. R. Glenn, town engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, paving Union Ave. from Ryerson Ave. to Paterson-Totowa dividing line. $50,000. G. Ferguson, Court House, co. engr.

N. J., Scotch Plains—Twp. Com., Town Hall, preliminary plans grading, guttering, curbing, 8 in. rein.-con. paving Jerusalem Rd. from Mountain to Plainfield Aves. $60,000. H. L. Paff, Forest Rd., twp. engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, culverts, grading 54.3 mi. hys. in Robeson, Surry, Iredell, Clay and Graham Counties. $270,000. L. R. Ames, Raleigh, engr.

La., New Orleans — City Council, City Hall, cancelled bids to have been open Dec. 4, paving Apricot, Apple, Broadway, Bienville, Cambronne, Daniel, Hamilton, Canal, Forshey, Dryades and Canal Sts. Noted Nov. 1.

La., St. Joseph — Tensas Parish preliminary plans grading, improving 30 mi. roads. $200,000.

Ind., Auburn—Comrs. DeKalb Co. concrete paving M. F. Long Rd. $43,511. E. Dawson, Auburn, aud.

Ind., Bloomfield—Comrs. Greene Co. concrete paving Dyer Rd. $56,105. G. R. Hudson, Bloomfield, aud.

Ind., Brazil—Comrs. Clay Co. constructing Roads 1 to 4 (inclusive). $52,028. O. J. Jenkins, Brazil, aud.

Ind., Crown Point — Comrs. Lake Co. concrete paving Daniels Rd. $61,057. W. E. Whitaker, Crown Point, aud.

Ind., Danville — Comrs. Hendricks constructing T. J. Boler Rd. $28,147. F. L. Whicker, Danville, aud.

Ind., Ft. Wayne — Comrs. Allen Co. concrete paving 6.046 mi. Tonkel Rd. $203,500. J. H. Johnson, Ft. Wayne, aud.

Ind., Goshen — Comrs. Elkhart Co. graveling George Hoffman "H-4," Jos. E. Reed "Z-2," A. Silver, and County Unit "I-4" Rds. $77,500. O. B. Weaver, Goshen, aud.

Ind., Greensburg — Comrs. Decatur Co. concrete paving Frank Ford Rd. $33,415. W. T. Zetterberg, Greensburg, aud.

Ind., Indianapolis — Comrs. Marion Co., crete paving Capitol Ave. and East 90th St., $43,287—graveling East 79th St., $16,980—asphalt paving Hanna Ave., $23,500. H. F. Campbell, Court House, engr.

Ind., Kokomo — Comrs. Howard Co. penetration type of asphalt paving B. Winkler Rd., 20 ft. $37,605. O. O. Butcher, Kokomo, aud.

Ind., Lafayette—Comrs. Tippecanoe Co. concrete paving 6,435 ft. Bone Rd., 36 ft. $33,965. C. M. Davis, Lafayette, aud.

Ind., LaGrange — Comrs. LaGrange Co. constructing road in Eden Twp. $27,155. J. E. Zook, LaGrange, aud.

Ind., Marion — Comrs. Grant Co. constructing Lincoln Blvd. $31,612. A. J. Green, Marion, aud.

Ind., Newport — Comrs. Vermillion Co. concrete paving Wright Rd. $39,615. M. Lewis, Newport, aud.

Ind., Princeton—Comrs. Gibson Co. constructing White-Alvis Rd., White River Twp. $26,410. A. M. Johnson, Princeton, aud.

Ind., South Bend—Comrs. St. Joseph Co. concrete paving Eberhart and Laing Rds. $71,020. F. P. Crowe, South Bend, aud.

Ind., South Bend—Comrs. St. Joseph Co. concrete paving Fillmore Rd. $100,000. F. P. Crowe, South Bend, aud.

Ind., Winchester — Comrs. Randolph Co. concrete paving R. R. Macy Rd. $47,207. I. E. Smithson, Winchester, aud.

Ill., Collinsville—Preliminary plans grading, curbing, concrete paving Burroughs, Aurora, Johnson and Harrison Sts. Kinsey Eng. Co., Marshall Bank Bldg., Pekin, engrs.

Ill., Litchfield—Concrete paving, asphalt repaving brick streets. $150,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Kan., Atchison—Atchison Co. soon takes bids grading, bridging 5.273 mi. U. S. Rd. 73-W, 30 ft. F. C. Healea, Court House, engr.

Kan., Ellsworth — Ellsworth Co. soon takes bids sand clay surfacing 3.57 mi. Kansas Project 722, U. S. Rd. 40-S, 30 ft.—grading 10.587 mi. Federal Aid Project 374, U. S. Rd. 40-S, 30 ft.—4.097 mi. Federal Aid Project 374, U. S. Rd. 40-S and 15-B, incl. 4 bridges. S. E. Foster, Court House, engr.

Kan., Jetmore — Hodgeman Co. soon takes bids grading 13.169 mi. U. S. Rd. 50-N, Federal Aid Project 359-B, 30 ft.; 2 multiple box span bridges, U. S. Rd. 50-N, Federal Aid Project 606. L. A. Hunter, Court House, engr.

Kan., Lyndon—Osage Co. soon takes bids grading 9.646 mi. U. S. Rd. 50-N—4.692 mi. U. S. Rd. 50—7.823 mi. U. S. Rd. 50-S, all 30 ft.—100 ft. Marsh arch span bridge, 20 ft., on Federal Aid Project 264, U. S. Rd. 50-S. F. C. Healea, Court House, engr.

Kan., Phillipsburg — Phillips Co. postponed taking bids indefinitely improving 9.244 mi. Kansas Project 717. Noted Nov. 1.

Kan., Russell Springs—Logan Co. soon takes bids grading 11.618 mi. Kansas Project. 61-A, B and C, 30 ft. R. C. Keeling, Court House, engr.

Kan., Scott City—Scott Co. preliminary plans sand gravel surfacing 6.947 mi. Rd. K22-12, and 9.402 mi. Rd. K22-11. F. Petefish, Court House, engr.

Mo., Kansas City—Jackson Co., improving 3.5 mi. 24th Street Rd.—4 mi. Blue Ridge Extension and paving 9.25 mi. Blue Ridge Rd.—14 mi. Outer Belt Rd.—13. mi. Colborn Rd., each 18 ft. To exceed $125,000. L. Koehler, Kansas City, co. engr.

Mo., St. Louis—Grading, curbing, hard-surfacing 52.8 mi. during 1929. $4,000,000. W. W. Horner, City Hall, engr.

Ark., Boonville—Preliminary plans grading, curbing, concrete paving 20 blocks Cook Ave., Main, Bway., 3rd and Bennett Sts. $100,000.

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Streets and Roads (Continued)

Ark., Harrison—Preliminary plans grading, curbing, concrete paving 9 blocks South Cherry, West Highland and West Stephenson Sts.

Ark., Hope—Heilbron Investment Co. & Eldridge Realty Co., Texarkana, preliminary plans grading, curbing, hardsurfacing Subdivision along Louisiana & Arkansas R.R. right-of-way. $100,000.

Ark., Hot Springs—Preliminary plans grading, curbing, hard-surfacing. Paving Dist. 122.

Ark., Little Rock — Preliminary plans grading, curbing, hard-surfacing 5 mi. Cantrell Rd., Lincoln Ave., Cross, Valley, Martin, O and Q Sts.

Texas—State Hy. Dpt., Austin, grading 15.555 mi. Hy. 32, Leon Co., 26 ft., $85,000, Nagle, Witt & Rollins Co., Centerville, engrs.; concrete paving 14.403 mi. same road, Freestone Co., 18 ft., $75,000, M. B. Hodges, Teague, resident engr.

Tex., Houston—City, improving Harrisburg Blvd. from Hughes St. to Brays Bayou. $280,000. J. C. McVea, city engr.

Oklahoma—State Hy. Comn., Oklahoma City, preliminary plans grading 10 mi. State Hy. 5, Tillman Co. To exceed $25,000. C. R. Mandigo, hy. engr.

Okla., Hollis—Concrete paving 8,000 sq. yd. 6th St. To exceed $25,000. Coon & McKinnon, Guthrie, engrs.

Okla., Lindsay — Grading, paving 16 blocks Creek, Choctaw and Chickasaw Sts., 26 ft. To exceed $25,000. C. A. Sanders, mayor.

Okla., Oklahoma City—Grading, concrete paving 9,000 sq.ft. 26th St. S. and East Kelley St. To exceed $25,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City — Preliminary plans grading, paving 10 blocks North Kelly and College Sts. To exceed $25,000. W. W. Small, City Hall, engr.

California—State Hy. Dept., Sacramento, grading, concrete paving 2.5 mi. road between Ontario and Pomona, 30 ft., $100,000 and grading, oil treated crushed rock surfacing 14 mi. road between Hector and Argus, 20 ft., $200,000, both San Bernardino Co.—widening with 2½ ft. asphalt shoulders each side road between Oak Grove School and Visalia, Tulare Co., $41,000. C. H Purcell, Sacramento, engr.

Ontario—Suburban Roads Com., London, concrete paving 6 mi. road between London and Nilestown. $200,000. C. Talbot, County Bldgs., London, engr.

Ont., Hamilton—Council asphalt paving 4 streets. $45,000. W. L. McFaul, City Hall, engr.

Ont., Hanover—Concrete curbing, guttering, concrete, asphalt or bitulithic paving 30,000 sq.yd. main streets. $32,784. Ontario Eng. Co., Fort Erie, engrs.

Ont., London — Middlesex Co. concrete paving. $100,000. C. Talbot, County Bldgs., engr.

Bids Desired

Rhode Island—Nov. 28, by State Bd. P. Roads, Providence, bituminous macadam paving 5.74 mi. Contr. 2810, Scituate, and 2.74 mi. Contr. 2817, Smithfield; adv. E. N.-R. Nov. 22.

N. Y., Brooklyn — Nov. 28, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging East 40th, East 49th and West 1st Sts.—sheet asphalt on concrete paving Rutland Rd., 19th and 3rd Aves., East 46th, East 96th, Union, President, West 1st Sts.—granite block repaving 2nd Ave. and West St.

N. Y., New York — Nov. 27, by B. S. Coler, comr. Dpt. Pub. Welfare, Municipal Bldg., sidewalks, walks, curbing, roadways and lawns at Bronx General Hospital, Walton and Gerard Aves., East 167th and East 168th Sts. C. B. Meyers, 31 Union Sq. W., archt.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., bids about Jan. 1, elevated express highway along Hudson River from Canal to 59th Sts. and from 59th to 72nd Sts. $13,500,000. Noted Aug. 23.

N. Y., St. George — Nov. 28, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, paving Highview Ave.—grading, bituminous concrete repaving Blackford Ave., Willowbrook and Amboy Rds.—temporary sanitary sewer in Crescent Ave.

Va., Richmond — Nov. 27, by R. Keith, dir. P. Wks., grading, curbing, guttering, graveling streets in West End.

Ala., Birmingham — Dec. 11, by City Com., concrete walks, 7 in. concrete, 2 in. asphalt on 5 in. concrete paving 7 blocks, 30th St. Ensley, Jasper Rd., 7th Ave. Ensley, and Ave. X, Ensley. $31,160. A. J. Hawkins, city engr.

Miss., Holly Springs — Dec. 3, by Bd. Supervs. Marshall Co., grading 56,000 cu.yd. Victoria Rd., incl. 30,000 ft. creosoted lumber, 60 ft. piling.

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La., Covington—Dec. 10, by Mayor, 2 in. warrenite bitulithic on 2 in. asphaltic paving Rutland and Jahncke Sts. A. G. Mundinger, Baton Rouge, engr.

Kentucky—Dec. 19, by State Hy. Dpt., Frankfort, grading 4.5 mi. Danville-Springfield Rd., S. P. 47 A-G, Boyle Co.—9.9 mi. Murray-Benton Rd., S. P. 70 A-G, Calloway Co.—9 mi. Caneyville-Beaver Dam Rd. F. A. 186 B-G, and 6.1 mi. Clarkson-Peonia Rd., S. P. 58 A-G, Grayson Co.—8.4 mi. Benton-Murray Rd., F. R. 86 A-G, Marshall Co.—10.2 mi. Beaver Dam-Caneyville Rd., F. A. 186 B-G, Ohio Co.—surfacing 11.8 mi. Leitchfield-Caneyville Rd., S. P. 66 A-S, Grayson Co.—6.7 mi. Loretto-Bardstown Rd., S. P. 206 A-S, Marion Co. W. S. Watkins, hy. engr.

Kentucky and Indiana — Dec. 12, by Louisville Bridge Comn., Todd Bldg., Louisville, Ky., approaches for bridge over Ohio River, 20,000 ft. concrete foundation piles, 1,400 cu.yds. concrete in footings, 1,200 cu.yd. rein.-con., 8,000 sq.yd. concrete paving, 7,300 sq.yd. rein.-con. on structural steel, 3,200,000 lb. structural steel. Modjeski & Masters, Keystone Bldg., Harrisburg, Pa., engrs.

Ohio—Nov. 30, by H. J. Kirk, dir. Hys., Columbus, grading 4.69 mi. Sects. C-1 and C-2, State Rd. 7, Belmont Co., $320,286; grading, paving 8.044 mi. Sects. O and P, State Rd. 146, Muskingum Co., $191,688.

Iowa — Nov. 27, by State Hy. Comn., Ames, grading, paving 9.142 mi. U. S. Rd. 20, P-167-F, Butler Co.—4.163 mi. U. S. Rd. 65, P-89, Cerro Gordo Co.—4.88 mi. U. S. Rd. 20, F-266-A, Grundy Co.—13.9 mi. U. S. Rd. 75, F-138 and 11.6 mi. U. S. Rd. 75, F-228, Harrison Co.—17.274 mi. Primary Rd. 17, F-163, Jones Co.—10.954 mi. U. S. Rd. 75, F-184, Monona Co.—11.068 mi. Primary Rd. 7, F-309, Pottawattamie Co.—6.977 mi. U. S. Rd. 65, P-555, Worth Co. — grading 1.51 mi. Primary Rd. 4, P-562-B, Fremont Co.—2.412 mi. Primary Rd. 2, P-584, Marion Co. R. F. White, hy. comr.

Minn., Shakopee — Dec. 4, by A. J. Mayor, aud. Scott Co., grading 120,000 cu.yd., 2 monolithic and portable culvert-son Job 2804, State Aid Rd. 23, $25,000; 80,000 cu.yd., 2 bridges, portable culverts on Job 2805, State Aid Rd. 24, $25,000. D. Childs, Shakopee, co. hy. engr.

Kan., Kansas City — Dec. 3, by Clerk Wyandotte Co., concrete paving 1.564 mi. Swartz-Probst Rd., 18 ft. To exceed $25,000. A. K. Williamson, Kansas City, engr.

Tex., Galveston—Dec. 10, by Galveston Co., c/o J. M. Murch, aud., shell surfacing 25 mi. Port Bolivar-High Island Rd. $90,000. C. C. Washington, Galveston, co. engr.

Tex., Houston — Nov. 28, at office City Secretary, paving 1 mi. Airline Rd. from north line North Main St. to city limit. $100,000. J. C. McVea & A. J. Wise, Houston, engrs.

Tex., Pampa—Dec. 6, by Gray Co., c/o T. M. Wolfe, judge, Pampa, grading, concrete paving 5 mi. Le Fors and Borger Rds. $150,000. A. H. Doucette, Pampa, engr.

Bids Received

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 21,943 ft. hy. in Sandisfield and Tolland, from New Haven Constr. Co., Inc., 70 College St., New Haven, Conn., $105,654—16,830 ft. Winchendon, from Lawton Constr. Co., Providence, R. I., $124,865—gravel and bituminous macadam paving 4,270 ft. Palmer, from Kelliher Corp., Turners Falls, $12,706—bituminous concrete paving 9,253 ft. Falmouth, from S. W. Lawrence, Falmouth, $52,180. Noted Nov. 8.

Connecticut — State Hy. Dpt., Hartford, waterbound macadam paving 11,866 ft. Obtuse Rd., Brookfield, from Miller Bros. Constr. Co., Inc., 151 Earl St., Hartford, $92,710.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 14, from Castle Bros. Johnson Pl., granite block paving Meserole St., $25,144—from C. R. Contg. Co., 1469 Flatbush Ave., macadam paving West 2nd St. $5,044; grading Avenue Z, $9,414—from M. A. Zappone, 1442 72nd St., West 6th St., $2,485—from B. Turecamo Contg. Co., New Cropsey Lane, grading, sheet asphalt on concrete paving East 39th St. $4,351; Ryder St. $2,957; 64th St. $6,680; 73rd St. $2,057—from D. J. McCoy Asphalt Co., Avenue U and East 57th St., East 40th St., $6,471—from Uvalde Asphalt Paving Co., 1 Bway., New York, Lorimer St., $58,334—from M. J. O'Hara, Neptune Ave. and West 19th St., 65th St., $8,757. Noted Nov. 8.

N. Y., Buffalo — Bd. Supervs. Erie Co., Nov. 7, rein.-con. paving 3.22 mi. Southwestern Blvd., Part 1, G. M. S. 205, from Harrison Eng. Co., Ellicott Sq., $159,088.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Nov. 15, grading Seneca Ave., from Kordes Contg. Co., 59 Washington Ave., Brooklyn, $7,294—sheet asphalt on concrete paving Fisk and Woodside Aves., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $11,148 and $10,620 respectively—69th St., from Carbloc Paving Corp., Varick and Stagg Sts., $30,010—Jamaica Ave., from Highway Impvt. Co., Furmans Island, Brooklyn, $11,220—Farmers Ave. and Springfield Blvd., from Meehan Paving & Constr. Co., 90 West St., New York, $48,958 and $39,630 respectively—Home Lawn Ave., from W. P. MacDonald Co., Lawrence St., Flushing, $41,205. Noted Nov. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Nov. 15, grading, curbing, flagging, sheet asphalt on concrete paving West 165th and 59th (Grand Army Plaza) Sts., from C. D. Beckwith, Seneca Ave. and Edgewater Rd., $6,422 and $1,806 respectively. Noted Nov. 8.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., Nov. 16, clay-loam-cinder surfacing, fencing with spiral spring wire, walks around upper reservoir in Central Park, from J. A. Nicosia, $16,944. Noted Nov. 15.

Md., Baltimore — Bd. Awards, Nov. 14, sheet asphalt paving 12,700 sq.yd. Contr. 492, from P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $53,336. Noted Nov. 8.

Virginia — State Hy. Comn., Richmond, Nov. 13, grading 0.66 mi. to Robertson River and 0.89 mi. road, Madison Co., from Fredericksburg Constr. Co., Fredericksburg, $18,808; graveling 0.2 mi. Sussex Co., from Perkins & Barnes, $13,101. Noted Nov. 1.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Nov. 16, from Eastern Constr. Co., 878 Franklin Pl., improving Gorden St. $1,285—from W. F. Hunt, 445 Milwaukee St., Hopkins St. $36,519 62nd St. $3,798—from Czerwinski Constr. Co., 816 Clinton St., Moltke Ave. $14,941—from J. C. Bluhm, 1299 Achilles Ave., Townsend St. $3,912—from Gumz & Switalski, 831 13th Ave., Weil St. $1,021—from White Constr. Co., 68 East Wisconsin Ave., East Water St. $20,554, Ogden Ave. $24,811, State St. $35,428.

Tex., Houston—For 3 in. brick on 8 in. concrete paving Navigation Blvd., from A. M. Arnold & Co., 113 North Buffalo St., $47,577 est. $60,000—paving Lowell and Brunner Sts., from S. Shambaugh, 1401 Dowling St., $121,045. Est. $150,000.

Calif., San Diego — Paving, improving Foothill Blvd., from Watson & Sutton, Nowell Bldg., $54,491.

Calif., San Diego—Common Council, Nov. 13, grading, curbing, concrete sidewalks, 6 in. concrete paving 106,169 sq.ft. Coast Blvd., from Watson & Sutton, Box 396, $30,926. Noted Nov. 1.

Contracts Awarded

Conn., Hartford—Sheet asphalt paving 7,165 sq.yd. Capital Ave., and sheet asphalt on concrete paving 2,800 sq.yd. Spruce St., to Edward Balf Co., 14 Haynes St., $25,923. Est. $25,000.

New York — A. W. Brandt, comr. Hys., Albany (**e.e. means engineers estimate**), grading 1.04 mi. Nassau Co., to E. J. Hughes, Mineola, $58,337 e.e. $89,009 — graveling 9.57 mi. Delaware Co., to O. P. Williams, Oneonta, $382,700 e.e. $603,981—bituminous concrete paving 8.62 mi. Hamilton Co., to J. Arborio, 59 Center St., New Haven, Conn., $247,742 e.e. $357,352—concrete paving 2.06 mi. Westchester Co., to F. J. Downing, 13½ Swan St., Buffalo, $164,524 e.e. $228,932—0.31 mi. Nassau Co., to Connor Bros., Long Beach Blvd., Long Beach, $42,639 e.e. $60,765 — 4.85 mi. Suffolk Co., to Westchester Constr. Co., Schuylerville, $337,630 e.e. $509,720 — eliminating grade crossing, Chemung Co., to J. W. Gurnett, Watkins Glen, $47,945 e.e. $65,613. Grand total $1,281,517. Noted Nov. 15.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving West 99th and 121st Sts., to Valatia Constr. Co., 15 East 40th St., $11,755 and $10,087 respectively. Noted Nov. 1.

New Jersey—Bd. Freeholders Hudson Co., Court House, Jersey City, resurfacing north and south approaches Park Ave. viaduct between Weehawken and Hoboken, to Clinton Asphalt Co., 308 16th St., Union City; Avenue C Bridge between Jersey City and Bayonne, to New Jersey Asphalt & Paving Co., Inc., foot Jersey Ave., Jersey City.

New Jersey—Passaic Co., Court House, Paterson, sheet asphalt on concrete paving Sect. 1, Lakeview Ave., to Dyer Kane Co., 127 Prospect St., Passaic, $63,753; Sect. 2 same avenue, to Franklin Contg. Co., 20 Washington Pl., Newark, $69,924; and removing trolley tracks, granite block paving

Streets and Roads (Continued)

Sect. 3, Lakeview Ave., to Martin White Co., 52 Lexington Ave., Passaic, $75,596. Grand total $209,273.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, paving, sewers in Bove Terrace, Columbia Ave., Hoboken and Demott Sts., to Clinton Asphalt Co., 308 16th St., Union City, $49,-667. Noted Oct. 4.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, concrete sidewalks on Paterson Turnpike from Bergen Turnpike to westerly terminus, to Primoshie-Riley, Inc., Terrace Ave., Hasbrouck Heights, at $0.2375 per sq.ft. Noted Nov. 8.

Pennsylvania—State Hy. Comn., Harrisburg, grading, bituminous macadam surfacing 35,000 sq.yd. Lancaster Co., to Thomas, Bennett & Hunter, Westminster, Md., $97,-954—13,540 sq.yd. Lancaster Co., to Fulton Constr. Co., Lancaster, $29,735—6,037 sq. yd. Bucks Co., to L. W. Merriman, Ebensburg, $14,388—concrete paving 50,074 sq.yd. Greene Co., to Tri-State Eng. Co., Cumberland, Md., $408,464—20,600 sq.yd. Clearfield Co., to David Bailey, Morrisdale, $102,628. Grand total $653,169. Noted Nov. 15.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,700 sq.yd. Contr. 490, to Amer. Paving Co., Montebello Ave., $47,-416; grading 22,000 cu.yd. Contr. 491, to T. Mullan, 3945 Greenmount Ave., $8,338. Noted Nov. 1.

North Carolina—State Hy. Comn., Raleigh, grading, sheet asphalt and asphaltic concrete paving 6.19 mi. Pitt Co., to Southern Paving Constr. Co., Chattanooga, Tenn., $69,687—grading, gravel and crushed stone surfacing 4.17 mi. Project 709, and 3.47 mi. Project 7080, Alleghany Co., to Mack Constr. Co., North Wilkesboro, $58,495 and $29,174 respectively. Grand total $157,356. Noted Sept. 27.

Ala., Montgomery—For 1½ in. sheet asphalt on 5 in. concrete paving 9,500 sq.yd. 5th St. and Park Pl., to R. G. Lassiter & Co., Shepherd Bldg., $19,502.

Miss., Vicksburg—Supervs. Warren Co., grading 30,000 cu.yd., graveling 6,667 cu. yd. hys., to G. W. Russell Co., Hazelhurst, $26,793. Noted Oct. 25.

Tennessee — State Dpt. Hys. & Pub. Wks., Nashville, to R. E. Martin, Pulaski, grading Perry Co. $15,481; Meigs Co. $68,-979; Henry and Stewart Counties $39,610—to Henry Bros., Maryville, Monroe and Loudon Counties, $26,702—to Cresap Bros., Humboldt, Gibson Co. $100,286—to S. R. Hall & Co., Newburn, Weakley Co. $114,-214—to Reynolds Constr. Co., White Pine, Cocke Co. $64,274—to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., Henry Co. $207,718—to Wells Constr. Co., South Pittsburg, Hamilton Co. $89,855—to Municipal Paving & Constr. Co., Nashville, Williamson Co., $91,613—to J. J. Battershill & Son, Virgilina, Va. Washington Co. $204,372—to Steel Co., Fayetteville, Hickman Co. $14,198—to McQuarry Bros., Adams, Davidson Co. $182,-874—to J. Oman, Jr., Chamber Commerce Bldg., Nashville, Davidson Co. $174,769—to Brown Contg. Co., 706 Manning St., Catttanooga, Moore Co. $15,252. Grand total $1,410,197. Noted Oct. 4.

O., Youngstown—Comrs. Mahoning Co., asphalt paving Melrose St. and Erskine Ave., to Mathew Grein & Son, Youngstown, $36,000. Est. $40,000.

Ind., La Porte—Comrs. LaPorte Co., macadam paving Herrold and Wolfe Roads, to Cook Bros., La Porte, $20,965 and $54,384 respectively—concrete paving Tyron Rd., to David Constr. Co., Michigan City, $54,839—Holton Rd., to Tri Lake Constr. Co., Columbia City, $52,791—macadam paving Grams and Jahns Roads, to F. Schirr, Westville, $53,946. Grand total $236,925. Noted Oct. 4.

Ind., Mt. Vernon — Posey Co., concrete paving 4,467 ft. S. J. Miller Rd., to L. J. Utley & Son, Mt. Vernon, $29,914. Noted Oct. 4.

Wisconsin—State Hy. Comn., Madison, grading 5.771 mi. Vernon Co., to G. J. Grant, 904 Exch. Bank Bldg., St. Paul, Minn., $25,322—concrete paving 0.83 mi. Marquette Co., to J. F. Bloomer, Appleton, $27,632—crushed stone surfacing 5.771 mi. Vernon Co., to Fitton, Muller & Fitton, Madison, $23,142. Grand total $76,096.

Wisconsin—State Hy. Comn., Madison, concrete paving 8.616 mi. Project 344-A, Dane Co., to J. R. Griffith Co., Racine, $219,690.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., to W. F. Hunt, 445 Milwaukee St., improving Blue Mound Rd. $29,303, 51st St. $17,343, Richmond Ave. $11,508; to Bonness & Sprout, 1226 3rd St., Tunnel Pl. $3,282. Grand total $61,436.

Ia., Muscatine—Muscatine Co. to Baumgardner & Schroeder, Wapello, graveling 4.625 mi. roads at $1.92 per cu.yd.; 11,650 cu.yd. $1.86—to McDougal Constr. Co., Sioux City, 1,770 cu.yd. $1.93; 375 cu.yd. $1.79; 1,640 cu.yd. $1.81; 1,650 cu.yd. $1.94.

Kan., Emporia — Lyon Co. sand graveling 10.158 mi. Kansas Projects 503 and 504, to A. L. Cook, Ottawa, $26,510.

Kan., Westmoreland—Pottawatomie Co., grading, culverts 8.115 mi. Project 40-29, Federal Aid Project 355-E and F, to G. W. Condon, 223 Grain Exch. Bldg., Omaha, Neb., $41,754. Noted Oct. 18.

South Dakota—State Hy. Comn., Pierre, graveling 28.025 mi. Carson Co., and 27.717 mi. Dewey and Carson Counties, to T. E. Sheehan Constr. Co., Sioux Falls, $74,502.

North Dakota—State Hy. Comn., Bismarck, grading 10.425 mi. Cass Co., to Advance Constr. Co., Fargo, $26,894. Noted Sept. 13.

Montana—State Hy. Comn., Helena, grading 5.021 mi. Project 248-A, Jefferson Co., to L. T. Lawler, Butte, $99,535.

Missouri — State Hy. Comn., Jefferson City, to H. H. Rudell, Madisonville, Ky., 24 ft. grading 2.816 mi. Ozark Co. $45,059—to Lahar Bros., Springfield, 30 ft. grading 3.425 mi. R. 21, Sect. 312-A, Ripley Co., $14,969; 3.558 mi. Sect. 312-B same road, $31,990; 1.364 mi. Sect. 312-C, $6,618—to Maxwell Constr. Co., Columbus, Kan., 1.076 mi. Barton Co. $23,313—to J. H. Miller & Son, Leon, Ia., 1.65 mi. Atchinson Co. $29,-423; 1.04 mi. Lafayette Co., $12,132—to M. E. Gillioz, Monett, 0.7 mi. Hickory Co., $11,-080—to G. W. Condon Co., Omaha, Neb., 0.4 mi. Nodaway Co., $5,377—to Chernus Constr. Co., Minneapolis, Minn., 1.56 mi. Marion Co., $14,960—to Excelsior Springs Constr. Co., Excelsior Springs, 2.27 mi. Boone Co., $16,754—to Kelly & Underwood, Granby, 3.04 mi. Lawrence Co., $45,497; 18 ft. graveling 3.06 mi. Cedar Co., $30,045; 3.135 mi. R. 39, Sect. 313-B, Cedar Co., $34,659—to Jenkins Bomen & Barkwell, Columbia, 3.88 mi. Pulaski Co., $6,997—to Allen & Kallmeyer, Steelville, 18 ft. chats surfacing 3 mi. Dade Co., $9,574—to Reed & Wheelock, Clay Center, Kan., grading 1.106 mi. Henry Co. $9,027; 8 ft. concrete paving same road, $12,617—to E. E. Hudson, Sikeston, 7,737 sq.yd. riprap Butler Co. $12,766. Grand total $372,857. Noted Sept. 20.

Ark., Nashville—Comrs. Paving Dist. 2, Planters Bank & Trust Co., grading, rein.-con. paving 27,400 sq.yd. with integral curbing and 23,900 sq.yd. without curbing, Main St., to Phoenix Constr. Co., Ft. Smith, $1.98 with and $1.85 without curbing.

Tex., San Antonio — For 146,000 sq.ft. concrete sidewalks and 60,000 lin.ft. concrete curbing in Palm Heights Addition, to Jagoe Constr. Co., Allen Bldg., $30,460 and $39,000 respectively.

Okla., Ada—Grading, paving 7 blocks Stockton Ave., 30 ft., to Fry Bros., Ada, $24,420. Est. $26,000. Noted Oct. 11.

Okla., Chickasha—C. R. Chinchall, city clk., grading, concrete paving 11,000 sq.yd. 19th and Oregon Sts., to Edminston Constr. Co., Chickasha, $32,478. Est. $35,000. Noted Nov. 1.

Okla., El Reno—Sheet asphalt repaving 16,000 sq.yd. Bickford and Rock Island Sts., to Park & Co., Okmulgee, $25,683. Est. $32,000. Noted July 5.

Okla., McAlester—Grading, paving 10 blocks East Washington Ave., 26 ft. to S. O. Maxey & Co., Durant, $28,240. Est. $31,460. Noted Sept. 20.

Okla., Oklahoma City—Oklahoma Co., grading 8 mi., 30 ft., to Green Constr. Co., 519½ West Main St., Oklahoma City, $37,-170. Est. $45,000.

Colorado—State Hy. Dpt., Denver (**F.A.P. means Federal Aid Project**), graveling 3.3 mi. F.A.P. 134-B, near Vona, to W. A. Colt & Sons, Las Animas, $32,605—4.7 mi. F.A.P. 149-A, between Dear Trail and Agate, to F. Kentz, 2340 Stuart St., Denver, $26,004—bridge work F.A.P. 57, near Lamar, to Phelps Bros., Fowler, $8,888—bridge and approaches State Project 726, at Parlin, Gunnison Co., to C. L. Wilbur, Gunnison, $7,546. Grand total $75,043.

Idaho—State Hy. Comn., Boise, grading, crushed rock surfacing 6.234 mi. Project 141-B, Twin Falls Co., to C. A. Robinson, Twin Falls, $63,774.

Nevada—State Hy. Comn., Carson City, grading, crushed stone surfacing 23,700 cu.yd. Federal Aid Project 109-C, White Pine Co., to J. N. Tedford, Fallon, $74,669.

Calif., San Diego—Concrete curbing, watermains, sewer laterals, 6 in. concrete paving 184,984 sq.ft. Turquoise and other streets, to Watson & Sutton, Box 396, $54,-491. Noted Nov. 15.

Calif., San Diego—San Diego Co., to Miracle Constr. Co., 4751 Monroe St., improving Reo Dr., A. & I. Impvt. Dist. 26, 65,750 cu.yd. excav. at $0.46 per cu.yd., 399,250 sq.ft. concrete paving $0.1775, 1,950 lin.ft. concrete curbing $0.60, 230 lin.ft. concrete guttering $0.70 etc.

Ont., Oshawa—Concrete curbing, guttering, asphalt on concrete paving 18,000 sq. yd. 3 avenues and 5 streets, to Standard Paving Co., Central Chambers, Ottawa. Est. $60,000.

Ont., Toronto—To T. Shenton, 341 Keele St., grading Lawrence Ave., $14,266—to owner by day labor asphalt paving Burnside Dr. $4,801; concrete paving Lane at Palmerston Ave. $1,418; grading Lorindale Ave. $1,229; concrete sidewalks on Leith Pl., Braeman and Lorindale Aves. at $1.60 per lin.ft. — to T. E. Lane, 37 Yorkville Ave., concrete sidewalks on Avenue Rd., Bingham Ave. and Chaplin Crescent at $0.15 to $0.18 per sq.ft. Est. $30,000.

Ont., Toronto — York Twp., asphalt paving Briar Hill Ave., to Constructing & Paving Co., Confederation Life Bldg., $17,-749; 5 avenues, to Kilmer & Barber, 10 Adelaide St. E., $22,775. Grand total $40,524.

Public Bond Elections

Coming Bond Elections

Waterworks Extensions, etc. — Forrest, Miss., $60,000.
Water Reservoir—Cushing, Okla., Nov. 27, $24,000.
Waterworks Distribution System—Harrisonville, Mo., December, $100,000.
Waterworks—Follett, Tex., Jan. 15, $35,000.
Waterworks Rebuilding — Toledo, Wash., December, $25,000.
Sewerage System Extension—Lake Charles, La., $400,000.
High Schools — Moberly, Mo., February, $500,000.

Bonds Voted

Waterworks, Filtration, Pumping Station, etc.—Cedar Rapids, Ia., $640,000. Alvord, Burdick & Howson, Chicago, Ill., Consult. Engrs.
Waterworks—Uvalde, Tex., purchase present waterworks and improvements $200,000.
Sewer Extensions—San Francisco, Calif. City and County, $2,200,000.
Bridges—Toledo, O., $3,000,000. T. L. Owen, Engr.
Flood Control—Salina, Kan., $250,000.
Airport Enlargement — Detroit, Mich., $5,000,000.
Airport—Wichita, Kan., $46,000.
Airport—Omaha, Neb., $250,000.
Airport—Pierce County, Wash., $300,000.
Highway System—Monterey County, Calif., $2,000,000.
High School — Canal Winchester, O., $150,000.
High School—Topeka, Kan., $1,000,000.
Schools—Brecksville, O., $319,000.
Schools—Maple Heights, O., $400,000.
Schools—Toledo, O., $5,000,000.
Hospital—Toledo, O., $950,000.
County Hospital—Omaha, Neb., $750,000.
Tuberculosis Preventorium, etc.—San Francisco, Calif., City and County, $3,500,000.
Court House—Minot, N. D., $450,000. Toltz, King & Day, St. Paul, Minn., Archts.
Grade Crossing Elimination — Cincinnati, O., $1,000,000.
Playgrounds—Cincinnati, O., $500,000.
Park Improvements, etc.—Clinton, Ia., Bd. Park Comrs., E. F. Mayer, Secy., $171,800.
Grain Elevator—Tacoma, Wash., $500,000.
State Parks—California, $6,000,000.
Fire Alarm System — Glendale, Calif., $200,000.

Bonds Defeated

Waterworks and Sewers — Chicago City, Minn., $20,000.
Sewer Extensions — Lakefront, Cleveland, O., $750,000.
Bridge—Omaha, Neb., $800,000.
Airport—Fresno, Calif., $65,000.
Airport—San Jose, Calif., $400,000.
Airport — San Mateo County, Calif., $1,700,000.
School Headquarters Building—Cleveland, O., $2,000,000.
State Penal and Welfare Institutions — Pennsylvania, $50,000,000.
Hospital—Chillicothe, Mo., $200,000.
Court House and Jail — Olympia, Wash., $275,000.
Stadium—Cleveland Heights, O., $125,000.
Gas Main Extension—Newton, Ia., $40,000.
Civic Center—San Francisco, Calif., City and County, $1,000,000.
Grade Separation—California, $10,000,000.
Park Improvements—McLaren Park, San Francisco, Calif., City and County, $2,000,000.
Aquatic Park — San Francisco, Calif., $950,000.
Playgrounds—San Francisco, Calif., City and County, $3,100,000.
Tunnel, Broadway—San Francisco, Calif., City Portion, $750,000.

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Buildings—Industrial

Proposed Work

N. Y., New York—KRAFT MILL—International Paper Co., Park Ave. and 42nd St., 200 ton kraft mill in southern state. Location not decided.

N. Y., New York—FACTORY and LOFT—S. E. R. Realty Corp., c/o M. L. Greenberg, plans by H. Hurwit, 41 West 33rd St. 3 story, 25 x 100 ft., brick, steel, plain found., 457 West 46th St. $75,000.

N. Y., New York—MANUFACTURING—Farmers Loan & Trust Co., J. H. Perkins, pres., 22 William St., altering 5½ story office and residence into manufacturing and show room, 601 Madison Ave. $75,000. Block & Hesse, 18 East 41st St., New York, archt.

N. Y., New York — PRINTING PLANT and DISTRIBUTION CENTER — New York Evening Journal, c/o Huberth & Huberth, 2 Columbus Circle, sketches 2 story, printing plant and distributing center, 318-20 East 39th St. To exceed $40,000.

N. Y., Oswego — HYDRO-CHEMICAL PLANT — Oswego Industries Corp., 15 Broad St., plans by E. E. Whitney, East Bridge St., hydro-chemical plant. $700,000.

N. Y., Oswego — PLANT — Fitzgibbons Boiler Wks., A. G. Lockett, mgr., plans plant addition. $40,000. Engineer and architect not selected.

N. J., Nutley (br. Newark)—FACTORY—The Hoffman La Roche Co., 19 Cliff St., New York, sketches 2 story, basement, brick, steel, plain found., Kingsland Rd. $40,000.

N. J., Paterson—FACTORY—Ajax Battery Corp., c/o J. DeRose, archt., 119 Ellison St., 1 story, basement, 100 x 100 ft., brick, steel, plain found. ,Main and Turni Aves. separate contracts. $40,000.

N. J., South Amboy—POWER PLANT—Jersey Central Power & Light Co., 20 South St., Morristown (subsidiary National Light & Power Co., 57 William St., New York), sketches by Electric Planning & Eng. Corp., engrs. and archts., 57 Williams St., New York, 1 story, 160 x 160 ft., brick, steel, plain found., waterfront at Junction. $5,000,000.

Pa., Harrisburg—PRINTING PLANT—National Service Corp., M. L. Griswold, pres., 461 8th Ave., printing plant, Division St. at Pennsylvania R.R. tracks. To exceed $40,000.

Pa., Phila.—MACHINE SHOP—W. E. S. Dyer, engr., Land Title Bldg., soon lets contract 1 story, 69 x 241 ft., brick, steel, plain found., Clearfield and C Sts., for Thos. Halton & Son, Mascher and Oxford Sts.

Pa., Reading—HOSIERY MILL—Reading Maid Hosiery Mills, Reading, and 366 Bway., New York, hosiery mill. To exceed $40,000.

Ga., Atlanta — LAUNDRY and DRY CLEANING—Stoddard Dry Cleaning & Dyeing, Inc., 18 Fort St., 4 stories, one 2 story, basement, 200 x 296 ft., and 3 others, 25 x 100 ft., West Peach Tree, 3rd and Cypress Sts. Engineer and architect not selected.

Miss., Durant—COLD STORAGE PLANT—Lewis Grocery Co., M. Lewis, pres., sketches 2 story, brick, rein.-con. cold storage plant. $50,000.

Ky., Louisville—PRINTING PLANT—C. T. Dearing Co., 11th and Bway. Sts., 100 x 200 ft. addition.

O., Canton—FACTORY—Timkin Roller Bearing Co., 7026 Euclid Ave., Cleveland, 1 story, 18th and 19th Sts. $200,000. Private plans.

O., Cleveland — GARAGE — Fleischman Yeast Co., c/o J. Wilshire, pres., 419 Plum St., Cincinnati, 1 story work and storage garage, brick, steel, concrete. $60,000. Engineer and architect not selected.

O., Cleveland — MILL and OFFICE — Chase Brass & Copper Co., R. L. Coe, pres., 236 Grand St., Waterbury, Conn., 1 story, brick, steel mill and office building. $250,000. Private plans.

Mich., Detroit—AUTO BODY PLANT—Murray Corp. of America, 1424 Aberle St., plans by A. Kahn, 1000 Marquette Bldg., 1 story, 250 x 425 ft., and 6 story, 350 x 525 ft., rein.-con. brick, steel, plain found., Russel and Colby Sts.

Mich., Detroit—FACTORY—Gorham Tool Co., 2206 12th St., plans by Lane, Davenport & Peterson, 1017 Charlevoix Bldg., 1 story, 120 x 125 ft., brick, steel, plain found., 12th St. $50,000.

Mich., Northville — AIRPLANE FACTORY — Stinson Aircraft Corp., plans by F. J. Winter, 2112 Book Tower, Detroit, 1 story, 180 x 300 ft., rein.-con., brick, steel, plain found. $150,000.

Mich., Pontiac — HAMMER SHOP — American Forging & Socket Ct. plans by Wright & Nice, General Motors Bldg., Detroit, 1 and 2 story, 55 x 80 ft., and 100 x 125 ft., rein.-con., brick, steel, plain found., Branch St. $55,000.

Ill., Barrington—FACTORY—Jewell Tea Co., 5 North Wabash Ave., Chicago, sketches by Holabird & Root, 333 North Michigan Ave., 2 and 5 story, 100 x 400 ft., rein.-con., brick factory. $1,000,000.

Ill., Chicago — FACTORY — Stewart-Warner Speedometer Corp., 1828 Diversey Parkway, G. Warner, in charge, plans by L. B. Hallberg, 116 South Michigan Ave., 12 story, 1812 Diversey Rd. To exceed $300,000.

Ill., Mt. Vernon—MANUFACTURING—J. P. Devine Co., 1372 Clinton St., Buffalo, N. Y., and Mt. Vernon Chamber of Commerce, rein.-con., brick manufacturing plant. $600,000.

Ill., South Chicago (sta. Chicago) — MILL — Youngstown Steel & Tube Co., Youngstown, O., J. A. Campbell, pres., sketches additions, incl. 4 open hearth furnaces, 2 bar mills, providing 30,000 additional tons per month.

Ark., Rogers—MILL—Corona Silicia Co., Inc., c/o H. R. McKnight, pres., Tulsa, Okla., sketches mill, auxiliary buildings, 42 in. gauge railroad between mines and mill. Private plans.

Tex., Donna—COLD STORAGE PLANT—J. E. Morgan, San Juan, 2 story, 80 x 160 ft., brick, hollow tile, rein.-con., on Missouri Pacific Ry. right-of-way. $75,000. Private plans.

Tex., Harlingen — COLD STORAGE PLANT—Central Power & Light Co., c/o Frost Bldg., San Antonio, and c/o F. O. Ludden, valley branch mgr., San Benito, cold storage plant, probably use cork insulation. $50,000. Private plans.

Tex., Mission—SERVICE and SALES—Snyder Motor Co., Mission, 1 story, 100 x 100 ft., brick, concrete, hollow tile building. $45,000. Engineer and architect selected soon.

Tex., Orange—FERTILIZER PLANT—Davison-Pick Fertilizer, Inc., Whitney St., New Orleans, La., and c/o M. R. Morton, mgr., Orange, fertilizer plant on 18 acre site. $500,000 incl. machinery, equipment.

Tex., San Angelo—CREAMERY—Snowhite Creamery Co., 127-29 North Chadbourne St., plans by R. K. Hamberlin, 807 Builders Exch. Bldg., San Antonio, and H. I. Messick, 212 Ricker & Dodson Bldg., 1 and 2 story, 140 x 164 ft., brick, concrete, 2nd and Gillis Sts. $100,000. Noted Aug. 9.

Tex., San Antonio — GARMENT FACTORY—Basila Frock Co., 503 West Commerce St., plans by Phelps & DeWees, 718 Gunter Bldg., 2 story, rein.-con., brick, 12,000 sq.ft. floor space, incl. some machinery, equipment to be purchased.

Tex., San Antonio — MILK and ICE CREAM PLANT — Metzger Dairies, Inc., Dallas, and Amarillo, c/o C. Metzger, pres., milk and ice cream plant. $60,000, incl. equipment.

Okla., Altus—CREAMERY and BUTTER PLANT—Wilson & Co., J. F. Keller, mgr., U. S. Yards, Chicago, Ill., creamery and butter plant. $60,000. Private plans.

Calif., Oakland—BOILER SHOP—Boiler, Tank & Pipe Co., 4061 Hollis St., Piedmont, 1 story, steel, Russett St., $60,000. Private plans.

Calif., Oakland — DISTRIBUTING PLANT—Shell Oil Co., 200 Bush St., San Francisco, Class "A," rein.-con., foot of 29th Ave. $350,000. Private plans.

Calif., Pittsburg—ELECTRIC SUB-STATION—Pacific Gas & Electric Co., 445 Sutter St., 50 x 75 ft. steel, concrete sub-station, incl. 6 mi. double circuit high tension transmission line near Columbia Steel Plant. $250,000. Private plans.

Ont., Fort William — COKE and GAS PLANT — Natl. Utilities Corp., Winnipeg, gas and coke plant, $500,000; mains for distribution, $250,000.

Ont., Oshawa — STAMPING PLANT — General Motors of Canada, concrete, brick, steel addition, and brake testing plant. $90,000 incl. equipment. Private plans.

Ont., St. Catharines — DAIRY — Silverwoods Niagara Dairy, 68 King St., plans by F. F. Saunders, 116 Concord Ave., Toronto, 2 story, basement, 85 x 95 ft., rein.-con., brick, steel, plain found., Welland Ave. $65,000.

Ont., Toronto — SUBSTATION — Hydro-Electric Power Com. of Ontario, 190 University Ave., F. A. Gaby, ch. engr., 4,000 hp. concrete, brick, steel substation, incl. equipment, switches, meters, switchboards, transformers, buses, wire, cable, insulators, North Bonnington Ave. $75,000.

Ont., Toronto—LAUNDRY—New Method Laundry Ltd., 2 River St., concrete, brick, steel, College St. $125,000. Engineer and architect not selected.

Bids Desired

Mass., Franklin—MIXER and PICHER PLANT—H. T. Hayward Co., Union St., taking bids 1 story, 55 x 140 ft., brick, steel addition, plain found., Union St. c/o T. Main, 201 Devonshire St., Boston, engr.

R. I., Pawtucket—SERVICE and REPAIR GARAGE—Balkcom-Brooks Co., 148 East Ave., taking bids 2 and 3 story, concrete, steel, plain found., East Ave. $50,000 or more. Private plans.

R. I., Providence—REPAIR SHOP—Nov. 26, by P. Buildings Dpt., City Hall, 1 and 2 story, 85 x 200 ft. repair shop, and 7 story, 20 x 20 ft. drill tower, Dexter and Whitmarsh Sts. $65,000. T. J. H. Pierce, City Hall, engr. Noted Nov. 15.

Conn., New Haven—GARAGE—Southern New England Telephone Co., 357 Chapel St., taking bids 1 story, 125 x 210 ft., brick, steel, concrete service garage, Liberty and Putnam Sts. $75,000. D. Orr, 856 Chapel St., archt. Noted Nov. 15.

N. Y., Brooklyn — GAS STATION and SERVICE GARAGE—E. Bender, 930 Fox St., New York, taking bids general contract 2 story, 89 x 125 ft., brick, concrete, East New York and St. Marks Aves. $40,000. C. Goodman, 375 Fulton St., archt.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. J., Long Branch—ICE PLANT—See "Contracts Awarded."

Pa., Pittsburgh—FACTORY—F. J. Kress Box Co., 2930 Liberty Ave., taking bids 1 and 2 story, 300 x 400 ft., brick, steel, 28th St. $450,000. Private plans.

Md., Baltimore — FACTORY—Lockwood Green & Co., archts., 400 North Michigan Ave., Chicago, Ill., bids about Dec. 1, 2 story, 140 x 180 ft., rein.-con., brick, for E. Katzinger & Co., 1949 North Cicero Ave., Chicago, Ill. $200,000.

O., Barberton—ICE PLANT—Henry Coal & Ice Co., c/o A. R. Henry, pres., 400 East Baird Ave., taking bids 2 story, 90 x 100 ft., brick, steel, concrete. $50,000. George B. Bright Co., 2615 East 12th St., Detroit, Mich., engrs. and archts. Noted Oct. 18.

O., Dayton — MANUFACTURING and OFFICE—Dec. 4, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 1 story, basement, 165 x 485 ft., brick, steel, plain found. for Leland Electric Co., 218 North St. Clair St.

O., Willoughby—ICE PLANT—City Ice & Fuel Co., E. C. Balzhizer, vice pres., 6611 Euclid Ave., taking bids 1 story, 100 x 100 ft., brick, steel, concrete plant. $100,000. C. C. Coneley, c/o owner, engr. Noted Nov. 8.

Mich., Detroit—FACTORY—Donaldson & Meier, archts., 1188 1st Natl. Bank Bldg., taking bids and open same about Dec. 3, 2 story, 86 x 120 ft., rein.-con., brick, steel addition, plain found., for Caille Bros., 2nd and Amsterdam Aves. $55,000.

Mich., Flint — ACETYLENE PLANT — See "Contracts Awarded."

Mo., St. Louis—SUB-STATION—Dec. 18, by Bd. P. Serv., City Hall, rein.-con. brick sub-station for electric street lighting Dist. F, for City. $30,000. J. Pritchard, 300 City Hall, dir.

Tex., El Paso—COPPER REFINERY—Phelps-Dodge Corp., c/o Chamber of Commerce, El Paso, and 99 John St., New York, taking bids on material, etc., for electrolytic copper refinery. Total $5,000,000. Noted June 14.

Ont., Toronto—MACHINE SHOP—See "Contracts Awarded."

Ont., Sandwich—BOILER HOUSE—See "Contracts Awarded."

Bids Received

O., Cleveland—FOUNDRY—Bd. Educ., F. G. Hogen, dir., 1 story, brick, steel, Eagle Ave., from Charles Paterson Constr. Co., 4500 Euclid Ave. $39,573. Noted Nov. 1.

Contracts Awarded

Mass., Dedham — SHOPS — New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, Conn., 1 story, 100 x 150 ft. sand blasting and stripping shops, steel, plain founds., off Sprague St., to Truscon Steel Co., 260 Tremont St., Boston.

Mass., East Pepperell—FACTORY—Cornell Multi-Wall Valve Bag Co., c/o H. B. Larnam, treas., East Pepperell, 1 story, 100 x 160 ft., brick, steel, plain found., to H. L. Shattuck, Inc., 208 South St., Manchester N. H. Est. exceeds $40,000.

Mass., Somerville (br. Boston) — MILK PLANT—Ingersoll Bowditch, 111 Devonshire St., Boston, 1 story, brick, plain found., Somerville Ave., to Walsh Bros., 150 Hampshire St., Cambridge. Est. $50,000. N. E. Products Co., 43 Somerville Ave., lessee.

Conn., Hartford — RAMP GARAGE — Metropolitan Corp., 64 Pearl St., F. W. Arnold, pres., 3 story, basement, 70 x 140 ft., brick, steel, concrete, Ann St. $135,000. Owner builds. Berenson & Moses, 252 Asylum St., archts.

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Buildings—Industrial (Continued)

N. Y., Brooklyn—SERVICE GARAGE—A. P. M. Holding Corp., L. Moss, pres., 32 Court St., 2 story, 100 x 140 ft., brick, concrete, separate contracts. $75,000. B. W. Dorfman, 66 Court St., archt. Noted Nov. 1.

N. Y., Manhassett—GARAGE—Borden Farms, Inc., 110 Hudson St., New York, 1 and 2 story garage, shop, plain found., Myrtle St. and Hillside Ave., to H. D. Best Co., 419 4th Ave., New York. Est. exceeds $75,000.

N. Y., Syracuse — WAREHOUSE and TANKS — Sun Oil Co., Finance Bldg., Phila., Pa., warehouse and tanks, to A. W. Hoperman & Sons, 569 Lyell Ave., Lyell Ave., Rochester. Est. exceeds $150,000.

N. Y., White Plains—SERVICE GARAGE—A. W. Page, 76 Lexington Ave., 2 story service garage, Fisher and Lexington Aves., to D. Perlman, 1457 East 19th St., Brooklyn. Est. $80,000.

N. J., Asbury Park—REPAIRS and MACHINE SHOP—D. I. Weeden, 1001 Main St., general contract 1 story, basement, 100 x 150 ft., brick, steel, plain found., 4th Ave., to R. L. Savage & Sons, Inc., 101 Bangs Ave. Est. $40,000.

N. J., Eatontown — FACTORY — A. K. Dangler, general contract 2 story, basement, 75 x 100 ft., brick, steel, plain found., Neptune Ave. and Pearce St., to M. H. Dangler & Co., Branchport Ave., Long Branch. Est. $40,000.

N. J., Elizabeth — FACTORY — Berman Bros., 1141 East Jersey St., 2 story, basement, 60 x 100 ft., brick, steel, plain found., West Grand St. near Broad St., separate contracts. $40,000. W. Clifford, Jr., 1177 East Grand St., archt. Noted Nov. 1.

N. J., Hillside (sta. Elizabeth) — FACTORY—Lionel Corp., 605 South 21st St., Irvington, general contract 1 and 2 story, 390 x 622 ft., brick, steel, plain found., Sager Pl., to Austin Co., 120 Bway., New York. Est. $140,000. Noted Sept. 20.

N. J., Long Branch—ICE PLANT—Seaboard Ice Co., 2nd St. and Union Aves. 1 story, 100 x 100 ft., brick, tile, plain found., Hulick St., separate contracts. $40,000. M. Smith, 2 Lafayette St., New York, archt.

N. J., West New York — LAMP FACTORY—Lockwood Greene Engineers, Inc., archts. and engrs., 100 East 42nd St., New York, construction and plumbing contract, factory, to Auf-der-Heide Contg. Co., 443 16th St., West New York, for Brinkerhoff Electric Co., New York. Noted Nov. 1.

Pa., McKees Rocks—UPHOLSTERERS and AIR BRAKES SHOP—Pittsburgh & Lake Erie R.R. Co., A. R. Raymer, ch. engr., Pittsburgh, general contract 1 story, brick, steel, to Walker & Curley Co., Sharpsburg. Est. $40,000.

Pa., Phila. — DYE HOUSE — Franklin Process Co., Hope and Clearfield Sts., 2 story, 81 x 101 ft., rein.-con., brick, steel, plain found., to J. N. Gill Constr. Co., 121 North Broad St. Est. $40,000.

Pa., Phila. — SHOP — Railway Track Work Co., Clementine and Thompson Sts., 1 story, 55 x 100 ft., brick, steel, plain found., Tulip and Westmoreland Aves., to W. F. Chapman, Cliveden and Rydal Sts.

Pa., Reading—HOSIERY MILLS—Reading Full Fashioned Hosiery Mills, Inc., 536 North 3rd St., 3 story hosiery mill, 12th and Bern Sts., to C. H. Schlegel, 528 Washington St. Est. $100,000.

Md., Baltimore — MANUFACTURING—Crown Cork & Seal Co., 1511 Guilford Ave., 2 story, brick, steel addition, to Consolidated Eng. Co., 20 East Franklin St. Est. $300,000.

N. C., Albemarle — HOSIERY MILL — Wiscassett Mills Co., 4 story, 104 x 147 ft., rein.-con. unit, to Brown-Harry Co., Gastonia, $100,000. Total est. $1,000,000. Noted Oct. 25.

S. C., Spartanburg—FACTORY—Lockwood Greene Engineers, Inc., engrs., Spartanburg, 2 story, basement, concrete, to Fiske-Carter Constr. Co., Spartanburg, for Stewart Bros. Paint Co., Inc., Alliance, O. Noted Nov. 15.

Ala., Gadsden—BRAID MILL—Alabama Braid Corp., Gadsden, 1 story, 150 x 326 ft., rein.-con., to Smallman Constr. Co., 1109 5th Ave., Birmingham, $750,000.

Ala., Talladega — TEXTILE MILL — Bemis Bros. Bag Co., 601 South 4th St., St. Louis, Mo., 2 story, 150 x 643 ft. main building, 2 story, 146 x 664 ft. weave shed, 1 story, 83 x 182 ft. picker building, 2 story, 28 x 70 ft. dye house, 1 story, 49 x 49 ft. boiler house, 1 story, 100 x 800 ft. warehouse and waste house, 500,000 gal. concrete reservoir, to Fiske-Carter Constr. Co., Greenville, S. C., $750,000. Noted June 21.

Miss., West Point—PACKING PLANT—Swift & Co., U. S. Yards, Chicago, Ill., 3 story, 90 x 140 ft. main building, incl. loading docks, to Smallman Constr. Co., 1109 5th Ave., Birmingham, Ala., $200,000.

O., Cleveland—FACTORY—J. C. Heintz, 3738 West 143rd St., 1 story, 80 x 156 ft., brick addition, 3738 West 143rd St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave., $60,000.

O., Toledo — INDUSTRIAL — Industrial Steel Casting Co., Millard Ave., 1 story, 140 x 180 ft., steel addition, plain found., to Comte-Naumann Co., 912 Summit Ave., $200,000.

O., Wooster—PLANT—McIntosh Hemphill Co., Oliver Bldg., Pittsburgh, Pa., 1 story, brick, steel addition, to Hughes Foulkrod, 7th Ave., Pittsburgh, Pa. Est. $250,000. Private plans. Noted Nov. 8.

Ind., Indianapolis—FACTORY—J. D. Adams, 217 South Bermond St., general contract 1 story, 108 x 175 ft., brick, steel, to Hall Constr. Co., 406 Bd. of Trade Bldg. Est. $45,000.

Mich., Detroit — ELECTRICAL APPLIANCE FACTORY — Square D Co., 6060 Rivard St., 3 story, rein.-con., brick factory, plain found., Russell St., to W. E. Wood Co., 1805 Ford Bldg. Est. $100,000.

Mich., Flint — ACETYLENE PLANT — Air Reduction Sales Co., 342 Madison Ave., New York, 1 story plant, day labor. $40,000. Private plans.

Mich., Pontiac—MACHINE SHOP—Machine Specialty Co., Main St., 2 story, basement, 36 x 100 ft., rein.-con., brick, steel, plain found., Main St., to Austin Co., General Motors Bldg., Detroit. Est. $40,000.

Ill., Chicago—SERVICE STATION and SALES—S. B. Harrison, 5701 Bway. Ave., masonry contract 2 story, 75 x 108 ft., brick, 6100-06 Western Ave. N., to H. C. Jensen, 6101 Forest Glenn Ave.; carpentry, to A. Anderson, 2301 North Keating Ave. Est. $75,000.

Wis., Milwaukee — DISTRIBUTING PLANT—Wisconsin Creameries, Inc., 342 6th St., masonry and concrete contract 3 story, basement, 105 x 152 ft., 8th St., to E. Steigerwald & Sons Co., 5310 State St.

Wyo., Sunrise—PILOT MILL—Colorado Fuel & Iron Co., W. A. Maxwell, production mgr., Pueblo, Colo., iron ore treating and concentrating plant. $100,000. Owner builds.

Mont., Great Falls — PLANT — International Harvester Co. of America. W. D. Price, supt. construction, 606 South Michigan Ave., Chicago, Ill., general contract 3 story, basement, 127 x 335 ft., brick, concrete found., to Lease & Leigland, Great Falls, $120,045. Est. $150,000. Noted Nov. 8.

Mo., North Kansas City — LACQUER PLANT — Cook Paint & Varnish Co., 3 story, basement, 60 x 113 ft., rein.-con., brick, steel lacquer plant, to Collins Constr. Co., Davidson Bldg., Kansas City. Est. $50,000.

Colo., Pueblo—PILOT MILL—Colorado Fuel & Iron Co., W. A. Maxwell, production mgr., plant for treating and cencentrating iron ore. Est. $100,000. Owner builds.

Calif., Berkeley — FACTORY — Neilson Steel Aircraft Corp., 2nd and Camelia Sts., (1st unit) Class "A," to A. Kirby, 2315 24th St., $15,000.

Calif., Piru — PACKING PLANT — Piru Citrus Assn., 1 story, basement, 100 x 100 ft., rein.-con., packing plant, to A. V. Perkinson, Inc., 3977 South Vermont Ave., Los Angeles, $33,000. Noted Oct. 25.

Ont., Hamilton—FACTORY—N. Slater Co., Sydney St., general contract 2 story, basement, 100 x 160 ft., concrete, brick, steel addition, to Mitchell & Riddell, 46 Head St.; excavation, to A. Cope & Sons, 19 Albert St. Est. $100,000.

Ont., Hamilton — PLANT — Steel Co. of Canada, Ltd., Harvey Lane, general contract 1 and 2 story, concrete, brick, steel, by day labor; sub-contracts, structural steel, to Hamilton Bridge Wks. Ltd., Bay St. N.; electric steel cranes, to Dominion Bridge Co. Ltd., Reford Bldg., Toronto, blast furnace piping, to Toronto Iron Wks., foot Cherry St., Toronto, and Sawyer Massey Co., Wellington St. N.; piling for blast furnaces, to Raymond Concrete Pile Co., New Birks Bldg., Montreal, Que. Est. $7,000,000.

Ont., Mount Dennis—FACTORY—Firstbrook Boxes Ltd., 283 King St. E., Toronto, general contract 2 story, basement, 100 x 320 ft. factory, 46 x 71 ft. power house, 1 story, 100 x 380 ft. warehouse, concrete, rein.-con., to J. A. Wickett Ltd., 16 Saulter St., Toronto; plumbing, heating and sprinklers, to Robt. Long & Son, 243 Church St.; steel, to Reed & Brown, 63 Esplanade St. E., Toronto; excavation, to Lioni & Co., 1411 Dufferin St., Toronto. Est. $350,000. Noted Aug. 23.

Ont., New Toronto — FACTORY and OFFICE — Ritchie Cut Stone Co., 191 Grant St., Hamilton, general contract 1 story, 24 x 245 ft. factory, 1 story, basement, 40 x 80 ft. office, rein.-con., brick, steel, stone, plain found., to Mitchell & Riddell, 46 Head St., Hamilton; steel, to Hamilton Bridge Wks. Ltd., Bay St. N., Hamilton; carpentry, to W. A. Haycock, 19 Burris Ave., Hamilton. Est. $200,000.

Ont., Sandwich — BOILER HOUSE — Canadian Salt Co. Ltd., Sandwich St. W., 1 story, basement, 72 x 80 ft., rein.-con., brick, steel, day labor. $75,000.

Ont., St. Catharines — DAIRY — Silverwoods Niagara Dairy, general contract concrete, brick, steel, to T. P. Jones & Co., 167 Church St.; structural steel, to Standard Steel Constr. Co., Welland; tile, to Kent Tile & Marble Co., 20 Catharine St. N., Hamilton; reinforcing steel, to Trussed Concrete Steel Co., Federal Bldg., Toronto. Est. $60,000. Noted Nov. 15.

Ont., Toronto — FACTORY — Sangamo Electric Co., 183 George St., 2 story, basement, 40 x 110 ft., rein.-con., brick, steel, stone addition, plain found., George St., to R. G. Kirby 539 Yonge St. Est. $60,000.

Ont., Toronto—MACHINE SHOP—Godson Contg. Co., 203 Richmond St. W., 1 story, 34 x 125 ft., concrete block, brick, steel, day labor. $40,000.

Ont., Weston—FACTORY—Arco Co. Ltd., 16 Liberty St., Toronto, 4 story, basement, 50 x 70 ft., rein.-con., brick, steel, plain found., to Wells & Gray, Confederation Life Bldg. Est. $150,000. Noted July 5.

B. C., Port Mellon—PULP and LUMBER MILL — Vancouver Kraft Co. Ltd., Cregonian Bldg., Portland, Ore., foundation for timber wharf and mill, to Vancouver Pile Driving & Contg. Co., 207 Hasting St. W., Vancouver, $70,000. Total $2,000,000.

Buildings—Commercial

Proposed Work

Conn., Darien — THEATRE, BUSINESS and APARTMENT—E. H. Delafield, et al. Bell Ave.; brick, steel, Post Rd. $200,000 or more. Engineer and architect not selected.

N. Y., Brooklyn—COURT HOUSE—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, bids latter part December, court house, Pennsylvania and Liberty Aves. $300,000. M. D. Metcalfe, 1310 Bedford Ave., archt.

N. Y., Brooklyn — HOSPITAL — Kingsway Hospital Constructors, Inc., 50 Court St., additional hospital units, incl. mechanical refrigerating plant, Kings Highway, Avenue O, and East 26th St. $1,000,000.

N. Y., Brooklyn — HOTEL — Hanson-Ellicott Place Corp., 65 Court St., plans by M. Klein, 65 Court St., 12 story, brick, steel, Hanson and Ellicott Pls. $700,000.

N. Y., Brooklyn—OFFICE—Corporation, c/o Shampan & Shampan, archts., 188 Montague St., sketches 6 story, on 75 x 100 ft. site, Court and Pacific Sts. $250,000.

N. Y., Flushing — OFFICE — Flushing Terminal Building Co., c/o W. W. Knowles, archt., Bridge Plaza, Long Island City, soon lets contract 4 story, 90 x 330 ft. office, Amity and Union Sts. $2,000,000. Noted Apr. 5.

N. Y., New York—APARTMENT—Corporation, c/o B. P. Cerussi, 655 East Fordham Rd., plans by A. F. Plueppelberg, 375 East Fordham Rd., 6 story, 62 x 100 ft., brick, timber, 36 Bogardus Pl. $150,000.

N. Y., New York—APARTMENT—Corporation, c/o F. B. Huffman, 14 East 47th St., plans by L. A. Goldstone, 420 Lexington Ave., 13 story, brick, steel, 4-10 East 72nd St.

N. Y., New York—APARTMENT—Four Hundred Twenty-Five East 86th Street Corp., J. Silverman, pres., 1457 Bway., plans by Sugarman & Berger, 345 Madison Ave., 16 story, 80 x 99 ft., brick, steel, plain found., 429 East 86th St. $800,000.

N. Y., New York — APARTMENT — J. Garry, 70 5th Ave., soon takes bids separate contracts 16 story, brick, steel, on 68 x 125 ft. site, 51 5th Ave. $1,000,000. T. W. Lamb, 644 8th Ave., archt.

N. Y., New York—APARTMENT—Three Hundred Sixty Amsterdam Avenue Corp., H. A. Hyman, pres., plans by E. Roth, 1440 Bway., 16 story, 100 x 102 ft., brick, steel, plain found., 360 Amsterdam Ave. $600,000.

N. Y., Port Chester—HOTEL—Corporation, c/o Development Service Corp., 369 Lexington Ave., New York, plans by Thomas, Martin & Kirkpatrick, 220 South 16th St., Phila., Pa., 8 story, brick, steel hotel. $650,000.

N. Y., Utica—ARMORY—Adjutant General, State of New York, 100 State St., Albany, bids in December, 2 story armory, Parkway and Douglas Dr. $200,000. C. H. Caldwell, 101 Park Ave., New York, archts. Gunvald Aus Co., 244 Park Ave., New York, engrs. Noted Aug. 9.

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Buildings—Commercial (Continued)

N. J., Asbury Park—APARTMENT—F. M. Kelly, c/o E. H. Schmeider, archt., 1109 3rd Ave., Spring Lake, sketches 10 story, basement, brick, steel addition, plain found., 8th Ave. and Deal Lake Dr. $500,000.

N. J., Asbury Park—HOTEL—M. Warren, 220 1st Ave., rebuilding brick, steel, plain found., recently destroyed by fire. $200,000. Engineer and architect not selected.

N. J., Asbury Park — OFFICE — Monmouth Title Mortgage & Guaranty Co., 416 Main St., sketches by P. Freshman, 50 Court St., Brooklyn, N. Y., 15 story, brick, steel, plain found., Main St. $750,000.

N. J., Avon by-the-Sea — HOTEL — S. Cowen, Intervale Ave. and 169th St., sketches 5 story, basement, brick, steel, plain found., $150,000.

N. J., Belmar — HOTEL — Traub Bros., 1303 E St., sketches altering and constructing 4 story, basement, 100 x 190 ft., brick, steel addition, plain found., 107 4th Ave. $150,000. E. F. Hauser, 11 Clinton St., Newark, archt.

N. J., East Orange — APARTMENT — I. Rekoon, c/o M. Fischer, archt., 564 Main St., sketches 4 story, basement, brick, steel, plain found., 4th Ave. and North Parkway. $200,000.

N. J., East Orange — APARTMENT — Krieger & Krieger, Inc., c/o E. V. Warren, archt., 31 Clinton St., Newark, sketches 4 story, basement, brick, steel plain found., North Arlington Ave. $150,000.

N. J., Harrison (br. Newark)—TOWN HALL—Bd. Town Council, receiving competitive sketches 3 story, basement, brick, steel, plain found. $375,000 bonds voted for same. Engineer and architect not selected. Noted Sept. 6.

N. J., Irvington (br. Newark)—APARTMENT—R. Krasny, 52 Hedden Terrace, Newark, plans by Kasoff & Flatt, 164 Market St., Newark, 4 story, basement, brick, steel, plain found., 97-103 Ball St. $155,000.

N. J., Jersey City—APARTMENT—Gorlin Constr. Co., Tube Concourse Bldg., sketches 7 story, basement, brick, steel, plain found., Fulton Ave. and Sterling St. $150,000.

N. J., Jersey City—GARAGE—Burstyn Heftler, 404 38th St., Union City, revised plans by C. Shilowitz, 26 Journal Sq., 15 story, basement, brick, steel, plain found., Academy St. and Bergen Ave. $1,000,000. Noted Nov. 8.

N. J., Long Branch — APARTMENT — Owner, c/o M. E. Weiner, archt., 790 Broad St., Newark, 5 story, basement, 75 x 100 ft., brick, steel, plain found., Hampton and Washington Sts. $200,000. Noted Nov. 1.

N. J., Newark,—APARTMENT—A. Weinberg, 20 Sharon Ave., Irvington, sketches by E. Hauser, 11 Clinton St., 4 story, basement, brick, steel, plain found., 142 West Kinney St. $150,000.

N. J., Newark — ARMORY — Comr. Institutions & Agencies, State Office Bldg., Trenton, revised plans by M. N. Shoemaker, 15 Central Ave., altering and constructing 4 story, basement, 100 x 232 ft., brick, steel addition, plain found., Roseville Ave. $150,000. Bids to have been taken Nov. 16 recalled. Noted Nov. 15.

N. J., Newark — GARAGE — J. Weisberger, 55 Shanley Ave., 2 story, basement, 100 x 150 ft., brick, steel, plain found., 233-47 Park Ave. $150,000. Private plans.

N. J., North Arlington (mail Arlington) —APARTMENT—Jersey Capitol, Inc., c/o P. Singer, archt., 60 Park Pl., Newark, sketches 3 story, basement, brick, steel, plain found., Belleville Turnpike and Prospect St. $150,000.

N. J., Point Pleasant — BANK — Owner, c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, sketches 1 story, basement, brick, steel, plain found. $150,000.

N. J., Teaneck (br. Hackensack) — APARTMENT—Acme Eng. Corp., c/o C. I. Goldberg, archt., 437 Bway., Bayonne, sketches 4 story, basement, brick, steel, plain found., Linden Ave. and Short St. $150,000.

N. J., Tuckerton—CASINO—Enterprise Development Co., c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, sketches 2 story basement, brick, steel, plain found. $150,000.

N. J., West Orange—HOTEL and CLUB —Owner, c/o S. Singer & A. Brach, archts., 60 Park Pl., Newark, 4 story, basement, brick, steel, plain found. $150,000. Noted Oct. 25.

Va., Richmond — JAIL — City Council enlarging jail. $300,000.

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Fla., Jacksonville—WAREHOUSE—Mark & Sheftall, archts., 309 Clark Bldg., bids latter part December, 3 story, 105 x 157 ft., rein.-con., brick, for Firestone Rubber Co., c/o W. C. Harris, mgr., Union Terminal Warehouse. $200,000. Firestone Rubber Co., South Main St., Akron, O., engrs. Noted Nov. 1.

La., Shreveport—STORE—Booth Furniture Co., 610 Texas St., plans by Jones, Roessle, Olschner & Weiner, Ardis Bldg., 4 or 5 story, brick, rein.-con., Texas St. $400,000.

O., Akron—APARTMENT—J. Sap, 471 Greenwood Ave., Cleveland, plans by M. Weis, Union Bldg., Cleveland, 3 story, basement, 53 x 128 ft., brick apartment. $140,000.

O., Cleveland — APARTMENT — S. Adams (real estate), 13514 Larchmere Rd., plans by M. Altschuld, 241 Euclid Ave., 3 story, basement, 40 x 120 ft., brick, 1884 Marloes Ave. $150,000.

O., Cleveland—AUCTION MART—Nickel Plate Development Co., Terminal Tower, plans by W. Watson & Associates, archts. and engrs., 4614 Prospect Ave., 2 story, 110 x 460 ft., brick, rein.-con., East 37th St. $400,000.

O., Cleveland — HOSPITAL — City, c/o D. S. Blossom, dir. Dpt. P. Welfare, City Hall, sketches by A. Garfield, Natl. City Bldg., hospital addition for psychopathic and chronic patients $1,430,000, 3 story nurses home $303,000, staff dormitory $203,000, Scranton Rd. $2,425,000 bonds voted. Noted Nov. 15.

O., Cleveland—TUBERCULOSIS SANITARIUM—City, D. S. Blossom, dir. Dpt. P. Welfare, sketches by A. Garfield, Natl. City Bldg., hospital addition $332,000, nurses and doctors building $130,000, both 3 story, Warrensville Farm.

O., Toledo — STORE — D. Israel, 625 6th Ave., New York, plans by J. F. Warner, 1036 Granite Bldg., 5 story, brick, 341 Summit Ave. To exceed $150,000.

Mich., Detroit — APARTMENT — R. M. Powell, 758 Longfellow Ave., plans by T. C. Hughes, 2615 Joy Rd., 4 story, basement, 53 x 115 ft., rein.-con., brick, plain found., Hanover Ave. $150,000.

Mich., Detroit — APARTMENT — P. R. Rossello (owner and archt.), 505 Cadillac Sq., 6 story, basement, 90 x 120 ft., rein.-con., brick, steel, plain found., Seminole Ave. $200,000.

Mich., Detroit — Natl. Y. W. C. A., 600 Lexington Ave., New York, Lucy Thurman Branch Y. W. C. A., incl. gymnasium, swimming pool, Farnsworth and Bush Sts. To exceed $150,000.

Mich., Flint — BANK and OFFICE — Union Trust & Savings Bank, Saginaw and East 1st St., 15 story, basement, rein.-con., brick, steel, stone, plain found., South Saginaw St. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs. and archts.

Mich., Jackson—THEATRE and OFFICE—W. S. Butterfield, 505 Insurance Exchange Bldg., Chicago, Ill., plans by J. Eberson, 212 Superior St., Chicago, Ill., 2 story, basement, 145 x 170 ft., rein.-con., brick, steel, stone, plain found., Michigan Ave. $500,000.

Ill., Aurora — THEATRE and STORE — Great States Theatre Corp., 162 State St., Chicago, plans by Rapp & Rapp, 190 North State St., Chicago, 3 story, brick, Main St. $500,000.

Ill., Chicago — APARTMENT, OFFICE and STORE — C. A. Berntson, 7707 Cornell Ave., plans by Lautz & Christensen, 806 West 79th St., 3 story, 125 x 147 ft., brick, terra cotta, 91st St. and Beverly Ave. $225,000.

Ill., Chicago—BANK and OFFICE—Chicago City Bank & Trust Co., plans by A. Epstein, 2001 West Pershing Rd., 4 story, basement, brick, stone, 63rd and Green Sts. $500,000.

Ill., Rockford—PUBLISHING PLANT—Rockford Daily Republican plans by Dickerson & Rhodes, Smythe Bldg., Cleveland, O., 1 story, concrete, brick, steel. $250,000.

Wis., Milwaukee — APARTMENT — P. Bennett, archt., 1126 North Ave., bids after Dec. 1, 4 story, basement, 73 x 129 ft., rein.-con. brick, plain found. 14th St.

Wis., Milwaukee — COURT HOUSE — Milwaukee Co., c/o W. E. McGrath, 4419 North Ave., plans by R. A. Ross, 1 Park Ave., New York, stone, brick, steel, Wells and 10th Sts. $6,000,000.

Wis., Milwaukee — GARAGE — S. B. White, c/o George Schley & Sons, archts., 425 East Water St., 2 story, 150 x 240 ft., rein.-con., brick, plain found., Michigan Ave.

Wis., Milwaukee—HOTEL—J. R. Treuber, 216 West Water St., plans by Dick & Bauer, 208 3rd St., 12 story, 100 x 150 ft., brick, steel, 2nd St. $2,000,000.

Wis., Milwaukee—National Bd. Y.W.C.A., 600 Lexington Ave., New York, bids in February, 5 story, brick, steel building, 183 Wisconsin Ave. $400,000. V. F. Smith, 214 Mason St., archt.

Kan., Hutchinson—OFFICE—Salt City Building & Loan Assn., C. C. Buchanan, secy., Hotel Stamey, probably take bids in spring, 8 story, basement, 97 x 16[illegible] ft., rein.-con., brick, stone. $400,000.

Mo., St. Louis—APARTMENT—Alco Investment Co., V. A. Chinberg, 808 Chestnut St., sketches by Nolte & Naumann, 614 Fullerton Bldg., 17 story, basement, 110 x 240 ft., rein.-con., brick, stone, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000.

Mo., St. Louis — APARTMENT — Syndicate, c/o C. P. Heath, Real Estate Co., 818 Chestnut St., plans by T. P. Barnett Co., 1569 Arcade Bldg., 8 story, basement, roof garden, 200 x 231 ft., rein.-con., brick, Bedford stone, Pershing Ave. west of Taylor Ave. $800,000.

Ark., Little Rock—BANK and OFFICE —Simmons Natl. Bank, c/o L. L. Phillips, soon takes bids 11 story, basement, 80 x 120 ft., rein.-con., brick, steel, stone, 5th and Main Sts. $450,000. J. Stern, A. O. U. W. Bldg., archt.

Ark., Little Rock—BUS TERMINAL—Ike Kemper et al, sketches 3 story, basement, rein.-con., brick, stone, Capitol Ave. and Scott St. $150,000.

Tex., San Angelo—OFFICE—C. C. McBurnett, San Angelo, bids after Jan. 1, 6 story, basement, 50 x 100 ft., brick, rein.-con., plain found. $150,000. B. M. Morgan, c/o San Angelo Natl. Bank Bldg., archt.

Tex., San Antonio—HOSPITAL—Farmacia Urrutia Inc., c/o A. Urrutia, Houston and Laredo Sts., 6 story, part basement, brick, stone, rein.-con., plain found., Houston and Laredo Sts. $500,000. Private plans.

Okla., Tulsa — OFFICE — W. Phillips, Philtower Bldg., 10 story, basement, rein.-con., brick, plain found., Boston St. $250,000. Engineer and architect not selected.

Calif., Los Angeles—STORE and LOFT —H. G. Ferguson, 756 South Spring St., plans by Walker & Eisen, 1117 Western Pacific Bldg., 10 or 12 story ,rein.-con., on 125 x 485 ft. site Sunset Blvd. and Vine St. To exceed $150,000.

Calif., Pittsburg—HOTEL—S. Caruso plans by Coffman-Sahlberg & Stafford, Plazza Bldg., 4 story, basement, 100 x 140 ft., brick, steel, rein.-con., plain found. $150,000.

Calif., Redlands—HOTEL—Monte Vista Syndicate sketches by E. B. Rust, Black Bldg., and E. M. Frazier, 318 West 9th St., both Los Angeles, tile, stucco, Smiley Heights. $500,000.

Calif., San Francisco — OFFICE and STORE — Texas Oil Co., Pershing Sq. Bldg., Los Angeles, Class "A," Van Ness Ave., Geary, Post and Franklin Sts. $250,000. Total expenditure $3,000,000-$4,000,000. Engineer and Architect not selected.

Calif., San Pedro—HOTEL and RESORT —Los Angeles Hot Springs Co., M. D. Joseph, pres., 280 Leon St., Oakland, plans by H. Brelin, 2817 Regent St., Berkeley, hotel and resort on 60 acre site, at Point Firmen. $3,500,000.

Ont., Orillia—HOTEL—A. Miller, Lakeview Hotel, Sparrow Lake, plans by Wright & Noxon, 96 Bloor St. W., Toronto, 3 and 5 story, basement, rein.-con., brick, steel, stone, plain found., Front and Mississaga Sts. $300,000. Noted Dec. 29.

Ont., Toronto — APARTMENT — Atlas Finance & Development Co., 1126 Bay St., plans by N. A. Armstrong Co. Ltd., 7 King St. E., 15 story, basement, rein.-con., brick, steel, stone. $1,000,000.

Ont., Toronto—CLUB—Albany Club, 91 King St. W., plans by C. J. Gibson, Excelsior Life Bldg., 8 story, basement, concrete, brick, steel, stone, marble, tile, terrazzo, King St. $250,000.

Ont., Toronto — GARAGE — Puddicombe Motors Ltd., 1543 Bloor St. W., 4 story, rein.-con., brick, steel, stone, plain found., Bloor St. W. $200,000. Engineer and architect not selected.

Ont., Toronto—GARAGE and SALES—W. C. Warburton & Co., 670 Bloor St., 2 or 3 story, basement, concrete, brick addition, plain found. $150,000. Engineer and architect not selected.

Ont., Toronto—OFFICE—Bell Telephone Co. (head office), 118 Notre Dame St. W., Montreal, Que., rein.-con., brick, steel, tile, marble, terrazzo, stone, plain found., University Ave. and Armoury St. $1,000,000-$2,000,000. Engineer and architect not selected.

Buildings—Commercial (Continued)

Ont., Toronto — OFFICE — Canada Life Assurance Co., 46 King St. W., plans by Sproatt & Rolph, 1162 Bay St., concrete stone, brick, marble, tile, steel, University Ave. $1,000,000.

Ont., Toronto—OFFICE—Crown Life Insurance Co., 59 Yonge St., 16 to 20 story, basement, rein.-con., brick, steel, stone, plain found., Yonge St. $500,000. Engineer and architect not selected.

Ont., Toronto — STOCK EXCHANGE — Standard Stock & Mining Exchange, 15 Richmond St. W., plans by G. Moorehouse & King, 1123 Bay St., converting 3 story, basement, rein.-con., brick, steel building into stock exchange, plain found., Temperance and Bay Sts. $150,000.

Bids Desired

Mass., Boston — HOSPITAL — Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., taking bids 11 story, basement, 45 x 190 ft., brick, steel hospital for people of moderate means, plain found., Fruit St., for Massachusetts General Hospital, Fruit St. $1,500,000. Noted Nov. 8.

Mass., Boston—STORE and OFFICE—Dec. 4 (extended date), by H. F. Winslow, 30 State St., and H. B. Alden, archt., 126 State St., 9 story, basement, brick, rein.-con., limestone, plain found., 137-141 Newbury St. $300,000. Noted Oct. 18.

Mass., Waltham (Ind. br. Boston) — THEATRE STORE and OFFICE—Owner, c/o Krokyn, Browne & Rosenstein, archts., 220 Devonshire St., Boston, bids about Dec. 1, 2 story, basement, 24,000 sq.ft. floor space, brick, stone, steel, plain found., 330 Moody St. $400,000. Noted Nov. 15.

Conn., Stamford—APARTMENT—L. Burrows, 420 Lexington Ave., New York, taking bids 4 story, basement, 58 x 90 ft., brick, steel. $155,000. S. Goldstone, 26 Court St., Brooklyn, N. Y., archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—HOSPITAL—Dec. 27, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, additions to reception building, Brooklyn State Hospital.

N. Y., New York — APARTMENT — M. Courland, archt., 366 5th Ave., taking subbids 15 story, 94 x 102 ft., brick, steel, Central Park West for Corporation, c/o architect. $900,000.

N. Y., New York—GARAGE—Dwight P. Robinson Co., 125 East 46th St., taking bids on separate contracts 9 story garage, 205 East 64th St. $500,000. Private plans.

N. Y., New York—OFFICE—See "Contracts Awarded."

N. Y., North Tarrytown (Ind. br. Tarrytown) — APARTMENT — See "Contracts Awarded."

N. J., Asbury Park—CLUB—A. F. Cottrell, archt., 527 Bangs Ave., taking bids on revised plans general contract 4 story, basement, 50 x 110 ft., rein.-con., brick, steel, plain found., Atkins Ave. and Adams St., for Monmouth Lodge 122 and Pride of Asbury Temple 64, I. B. P. O. E. of World Colored Elks. $150,000. Former bids rejected. Noted June 28.

N. J., Asbury Park—HOTEL, THEATRE and STORE—L. I. Kaplan, archt., 615 West State St., Trenton, bids about Mar. 1, general contract 5 story, basement, brick, steel, rein.-con., plain found., Cookman Ave. and St. James Pl., for S. H. B. Land Co., S. B. Shanckman, pres., 17 Atterbury St., Trenton. $500,000. Noted Mar. 29.

N. J., Bayonne—CITY HALL—Bd. City Comrs., City Hall, bids about Dec. 1, 4 story, basement, brick, steel, plain found., Avenue C between 27th and 28th Sts. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Nov. 8.

N. J., Bradley Beach—APARTMENT—See "Contracts Awarded."

N. J., Clifton—APARTMENT—See "Contracts Awarded."

N. Y., Cornwall—HOSPITAL—Cornwall Hospital, A. J. Mapes, pres., Firthcliffe, bids about Jan. 1, 4 story hospital, Island View Park. $250,000. York & Sawyer, 100 East 42nd St., New York, archts. Noted Feb. 24, 1927.

N. J., Hackensack—CLUB—Dec. 4 (extended date), by J. R. Gordon, archt., 507 5th Ave., New York, 4 story, basement, 100 x 125 ft., brick, steel, plain found., Union and Parks Sts., for B.P.O.E., 177 State St. $200,000. Noted Oct. 25.

N. J., Jersey City — CLUB — P. O. Simeone & Co., Inc., 22 Journal Sq., bids about Dec. 1, 3 story, basement, 75 x 100 ft., brick, steel, plain found., 24 Liberty Ave., for Polish American Democratic Club, 22 Liberty Ave. Est. $150,000. Noted Nov. 15.

N. J., Jersey City—CLUB—A. L. Vigliante, archt., 42 Passaic Ave., Garfield, bids about Mar. 1, 3 story, basement, 50 x 100 ft., brick, steel, plain found., Greenville Ave. and Hudson Co. Blvd., for Victor Emanuel Lodge 396, Sons of Italy, G. Gafbro, chn., 1765 Hudson Blvd.

N. J., Jersey City—HOSPITAL—Dec. 13, by Bd. Freeholders Hudson Co., Court House, 8 story, basement, 105 x 180 ft., brick, steel, rein.-con., plain found., Clifton Pl. $2,000,000. C. H. Ziegler, 75 Montgomery St., archt. Noted Nov. 22.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT—See "Contracts Awarded."

N. J., Linden — APARTMENT and STORE—See "Contracts Awarded."

N. J., Long Branch — APARTMENT — W. T. Thecker, archt., 2 3rd Ave., taking bids 3 story, basement, brick, steel, plain found., for Coast Realty & Constr. Co., Long Branch. $150,000. Noted Nov. 15.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—APARTMENT—N. Harris, archt., 20 Branford Pl., bids about Dec. 1, 8 story, basement, 70 x 125 ft., brick, steel, plain found., 345-53 Bloomfield Ave., for Stadium Realty & Investment Co., c/o architect. Noted Sept. 27.

N. J., Newark—GARAGE—F. Koenigsberger, archt., 48 Walnut St., bids about Dec. 1, general contract 3 story, basement, 50 x 200 ft., brick, rein.-con., plain found., for Owner, c/o architect. $150,000. Noted Oct. 4.

N. J., Orange — APARTMENT — A. P. Nucciarone, archt., 206 Central Ave., bids about Dec. 1, general contract 5 story, basement, 120 x 145 ft., brick, steel, plain found., 280 Central Ave., for H. C. Cassini, c/o architect. $200,000. Noted Nov. 1.

N. J., Paterson—OFFICE—H. Hurwit, archt., 41 West 33rd St., New York, taking bids separate contracts 4 story, basement, brick, steel, plain found., Church and Van Houten Sts., for M. J. Lane, 24 Church St. $150,000.

N. J., Plainfield—STORE—C. C. Bell, archt., 17 Union Ave., Cranford, taking bids general contract 2 story, basement, brick, steel, plain found., West Front St. between Central and Park Sts., for Montgomery Ward Co., 1000 South Monroe St., Baltimore, Md. $150,000. Noted Nov. 15, under "Contracts Awarded."

N. J., Redburn (mail Paterson)—APARTMENTS—See "Contracts Awarded."

N. J., Ventnor (br. Atlantic City) — APARTMENT — P. Schmidt, archt., Union Natl. Bank Bldg., Atlantic City, bids about Dec. 1, general contract 8 story, basement, 75 x 125 ft., brick, steel, plain found., Troy and Atlantic Aves., for C. Froeb, Jr., Atlantic City. $250,000.

Pa., Norristown — H. A. McMurtrie, archt., 1321 Arch St., Phila., taking bids 3 story building, Chester and DeKalb Sts., for Y.W.C.A., 600 Lexington Ave., New York. To exceed $150,000.

Fla., Stuart—COURT HOUSE—Dec. 4, by W. B. Tilton, chn. Bd. Comrs. Martin Co., 3 story, 62 x 100 ft., rein.-con, $150,000. B. D. Keck, P. O. Box 1157, archt. Noted Oct. 11.

Ky., Covington — HOTEL—See "Contracts Awarded."

O., Cleveland — APARTMENTS — Meyer Teplitz, 10003 Columbia Ave., taking bids two 4 story, basement, brick, Lake Ave. and West Blvd. $300,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland—GARAGE—A. Sogg, archt., 3030 Euclid Ave., taking bids and open same about Nov. 23, 3 story, basement, 80 x 128 ft., brick, steel, rein.-con., Huron Rd., for Huron Fireproof Building Co., c/o architect. $150,000.

Ill., Chicago—BANK—Puckey & Jenkins, archts., 400 North Michigan Ave., taking bids 2 story, 50 x 125 ft., brick, stone, Cicero and Montana Aves., for West City Trust & Savings Bank, 2350 North Cicero Ave. $150,000.

Ill., Chicago — BOARD of TRADE and OFFICE — Dec. 1, by Holabird & Root, archts., 333 North Michigan Ave., 43 story, 174 x 225 ft., 133-145 West Jackson Blvd., for Chicago Board of Trade, Jackson Blvd. and La Salle Sts. $7,500,000.

Ill., Oak Park—OFFICE and STORE—R. J. Hotchkiss, archt., 115 North Oak Park Ave., bids about Dec. 15, 6 story, 70 x 70 ft., with 2 story tower, brick, steel, terra cotta, Lake St., for C. B. Scoville, c/o architect. $400,000.

Wis., Milwaukee—APARTMENT—V. Esser, archt., 82 East Wisconsin Ave., taking bids 5 story, basement, 50 x 117 ft., rein.-con., brick, plain found., Wisconsin Ave.

Wis., Milwaukee — MEN'S HOTEL — B. Uthus, ercht., 208 3rd St., taking bids 8 story, basement, 50 x 100 ft., rein.-con., brick, plain found., 13th St. Noted Nov. 15.

Kan., Topeka — APARTMENT — Virginian Arms Holding Co., c/o H. H. Guy, 320 West 1st St., Topeka, bids about Jan. 1, 10 story, basement, rein.-con., brick, stone, terra cotta, 10th and Topeka Aves. $750,000. Bowling & Shank, 1198 Arcade Bldg., St. Louis, Mo., archts. W. J. Knight & Co., 902 Wainright Bldg., St. Louis, Mo., engrs. Noted Nov. 1.

Tex., Georgetown — HOTEL — T. E. Smith bids about Dec. 1, 7 story, part basement, brick, steel, rein.-con., plain found. $150,000. J. G. Becker, 218 North Washington St., San Angelo, archt. Noted Aug. 23.

Tex., San Antonio—BANK—Dec. 3, by H. T. Phelps, archt., Hicks Bldg., 2 story (ultimately 12 story), basement, 68 x 86 ft., brick, stone, steel, rein.-con., plain found., Commerce and Navarro Sts., for Groos National Bank, c/o F. Groos, pres., Commerce and Navarro Sts. $200,000. Beretta-Stiles Co., Inc., 1203 Natl. Bank of Commerce Bldg., engrs. Noted Nov. 15.

Okla., Tulsa—APARTMENT—See "Contracts Awarded."

Colo., Pueblo—HOTEL—W. M. Whitsett & B. A. Shomaker, P. O. Box 111, taking bids (from selected list of contractors) 4 story, basement, 80 x 100 ft., brick, stone, steel, concrete, 9th and Main Sts. $200,000. W. DeMordaunt, 738 1st Natl. Bank Bldg., archt. Noted Oct. 25.

Bids Received

Mass., Mattapan (sta. Boston)—WARD—City of Boston, Hospital Dpt., 3 story, basement, brick, plain found., River St., from J. A. Singarella, Park Sq. Bldg., Boston, $143,240.

N. Y., Odgensburg — PAVILION — Commissioner Dpt. Mental Hygiene, Capitol, Albany, Nov. 14, general contract tuberculosis pavilion, for St. Lawrence State Hospital, from English Constr. Co., Inc., 15 West 91st St., New York, Proposal 1, $292,000; Proposal 2, $298,000. Noted Nov. 1.

O., Cincinnati — APARTMENT — J. S. Adkins, archt., 15 East 8th St., Sept. 13, 8 story, basement, rein.-con., brick, plain found., Hackberry St., from A. D. Gates Constr. Co., 1611 Chemical Bldg., St. Louis, Mo., for Riverview Apartments, Inc., 900 Neave Bldg. Est. $750,000. Noted Sept. 20.

Tex., New Braunfels — HOTEL — New Braunfels Hotel Co., Inc., c/o E. Fisher, chn. building com., general contract 4 story, part basement, 75 x 100 ft., L-shaped, rein.-con., brick, plain found., from W. Sipple, New Braunfels, $90,000. Noted Oct. 18. Heating system, from Braden-Hudson-Wangler Co. 305 East Commerce St., San Antonio.

Contracts Awarded

Mass., Cambridge (br. Boston) — APARTMENT—Porter Realty Trust, c/o Silverman & Brown, archts., 51 Cornhill, Boston, 4 story, basement, 80 x 80 ft., brick, plain found., 28-30 Langdon St., to L. Greenblatt, 20 Theodore St., Dorchester. Est. $150,000.

Mass., Roxbury (sta. Boston)—HEALTH UNIT—G. E. White Fund, G. E. Phelan, City Hall, Boston, 3 story, basement, brick, plain found., to J. Bowen Co., 184 Dudley St., $126,000. Noted June 7.

R. I., Narragansett Pier (P.O. Narragansett)—CLUB—Dunes Club, Inc., 2 story, irregular sized, rein.-con., timber, to O. D. Purington & Co., Industrial Trust Bldg., Providence. Est. $150,000. Noted Nov. 1.

Conn., Newtown—TOWN HALL—Town, Edmond Memorial Town Hall Com., 2 story, basement, 120 x 145 ft., brick, marble, granite, to H. Wales Lines Co., 134 State St., Meriden. Est. $250,000. Noted Aug. 30.

N. Y., Brooklyn—APARTMENT—Empire Development Corp., 620 Hopkinson Ave., brick, timber, separate contracts. $156,000. J. Henkin, 2127 East 1st St., archt. Noted Nov. 1.

N. Y., Brooklyn — APARTMENT — Harold-Mann Realty Corp., L. Halperin, pres., 26 Court St., 6 story, 165 x 250 ft., brick, timber, separate contracts. $650,000. Cohn Bros., 361 Stone Ave., archts. Noted Nov. 1.

N. Y., Brooklyn — APARTMENT — I. Solmonowitz, 119 Albemarle Rd., 6 story, 90 x 100 ft. apartment, Avenue K and East 12th St., separate contracts. $200,000. Cohn Bros., 361 Stone Ave., archt. Noted Nov. 1.

N. Y., Brooklyn — APARTMENT — Sterling Kay Co., Inc., H. J. Kay, pres., 26 Court St., 6 story, brick, timber, separate contracts. $475,000. Cohn Bros., 361 Stone Ave., archts. Noted Nov. 1.

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Buildings—Commercial (Continued)

N. Y., Brooklyn—THEATRE—P. S. Levy, 1975 83rd St., 100 x 140 ft. theatre, to M. Shapiro & Son, 1560 Bway., New York. Noted Feb. 23.

N. Y., New York—THEATRE—William Fox Theatres, 55th St. and 10th Ave., 2 story, brick, steel, 731 Lexington Ave., to W. Fried, 21 East 40th St. Est. $800,000.

N. Y., Niagara Falls—OFFICE—J. Johnson, archt., Ellicott Sq., Buffalo, general contract office building, to Amsterdam Building Co., 441 Lexington Ave., New York, for Niagara Falls United Office Co. Est. $608,000. Noted Oct. 18.

N. Y., North Tarrytown (Ind. br. Tarrytown)—APARTMENT—J. D. Rockefeller, Jr., 26 Bway., New York, 5 story, on 400 x 500 ft. site, separate contracts. $2,000,000. A. J. Thomas, archt., 2 West 46th St., New York, taking bids on above project. Noted July 5.

N. Y., Port Jefferson—HOSPITAL—Corporation, c/o Farmers Loan & Trust Co., R. B. Knox, 22 William St., New York, hospital, to Hegeman-Harris Co., 360 Madison Ave., New York. Est. $300,000. Noted Nov. 8.

N. Y., Poughkeepsie — INFIRMARY — Dpt. Mental Hygiene, Albany, general contract infirmary, 2 nurses homes and 2 staff buildings at Hudson River State Hospital, to A. E. Stephens, 1200 Main St., Springfield, Mass., $655,179; sanitary work, to C. H. Darnstandt, Inc., 352 West 43rd St., New York, $52,000; heating, to R. H. Baker Co., 101 Park Ave., New York, $44,537. Grand total $751,716. Noted Sept. 13. Electrical work, to T. H. Green Electric Co., Rochester, $21,442.

N. Y., Syracuse—HOSPITAL—Commissioner, Dpt. Metal Hygiene, Albany, general contract psychiatric hospital for Syracuse Psychiatric Institute, to W. F. Hendrich Co., 2771 East 53rd St., Cleveland, O., $222,000. Noted Nov. 8.

N. J., Bradley Beach—APARTMENT—J. C. Malone, 3rd Ave., Spring Lake, 3 story, basement, brick, steel, plain found., separate contracts. $150,000. E. H. Schmeider, 3rd Ave., Spring Lake, archt. Noted Nov. 15.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten St., Passaic, 3 story, basement, 90 x 100 ft., brick, steel, plain found., Union Ave. and Putnam Pl., separate contracts. $150,000. J. DeRose, 119 Ellison St., Paterson, archt. Noted Nov. 15.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT — D. I. M. Constr. Co., R. DeConsoli, secy., 59 Bergenline Ave., Guttenberg, 4 story, basement, brick, steel, plain found., Christie St. and East Grand Ave. Separate contracts. $150,000. A. DePaola, 106 18th St., West New York, archt. Noted Nov. 8.

N. J., Linden — APARTMENT and STORE — T. DeLuca, 108 Washington Ave., Elizabeth, 3 story, basement, brick, steel, plain found., separate contracts. $150,000. J. B. Beatty, 15 North Reid St., Elizabeth, archt. Noted Nov. 15.

N. J., Mount Freedom — HOTEL — S. Tenzer, general contract altering and constructing 3 story, basement, brick, stone addition, plain found., to Raas & Son, Mt. Arlington. Est. $150,000.

N. J., Newark — APARTMENT — Schwartz & Cohen, 49 Goodwin Ave., 4 story, basement, 50 x 105 ft., brick, steel, plain found., 111 North 9th St., separate Contracts. $150,000.

N. J., Newark—SHOWROOM and OFFICE—M. J. Nadel, archt., 32 Hill St., general contract altering and constructing 3 story, basement, 60 x 80 ft. addition, to J. J. Polewka Co., 558 Grove St., Irvington, for Lawrence Motor Car Co., 390 Halsey St. Est. $155,000. Noted Oct. 4.

N. J., Orange—OFFICE and STORE—Main Day Corp., c/o E. H. Fougner, archt., 197 Market St., Newark, general contract 2 story, basement, 120 x 130 ft., brick, steel, plain found., Main and Day Sts., to J. B. Everett & Son, 155 Elm St. Est. $150,000. Noted Nov. 1.

N. J., Redburn (mail Paterson)—APARTMENTS—City Housing Corp., A. Bing, pres., 18 East 48th St., New York, 3 story, basement, brick, steel, stucco, separate contracts. $4,000,000. H. Wright, R. Kohn, F. Ackerman, and C. S. Stein, 56 West 45th Sts., New York, assoc. archts. Noted Aug. 2.

Pa., Phila.—APARTMENT—G. J. Shoemaker, 6044 Chestnut St., 4 story, basement, 70 x 215 ft., brick, steel, plain found., Tulpehocken and McCallum Sts., to Manor Building Corp., 121 West Tulpehocken St. Est. $340,000.

Pa., Phila.—PSYCOPATHIC—Dpt. Pub. Health, City Hall, general contract 5 story, basement, 116 x 295 ft., rein.-con., brick, steel, 34th and Pine Sts., to Kober Constr. Co., 1616 Thompson St., $697,000; plumbing, to W. M. Anderson, 600 Schuylkill Ave., $59,600; heating, to M. H. Paganhart Co., 213 Locust St., $69,840; electrical work, to W. P. Pangborne, 1927 West Montgomery St., $37,892. Grand total $864,332.

Ky., Covington — HOTEL — Covington Hotel Co., J. A. Wakeman, pres., 8 story, basement, rein.-con., brick, terra cotta, separate contracts under supervision P. J. Bradshaw, archt., 718 Locust St., St. Louis, Mo. Owner taking sub-bids. $1,000,000.

O., Cleveland—GARAGE—Superior Holding Co., c/o Lee Krueger, pres., Fidelity Bldg., 2 story, 65 x 150 ft., brick, steel, 1291 East 101st St., to A. W. Pahner Co., 13723 St. Clair Ave. Est. $150,000. Young Furniture Co., 10403 Superior Ave., lessee.

O., Cleveland—STORAGE WAREHOUSE—Neal Fireproof Storage Co., C. J. Neal, pres., 7208 Euclid Ave., 4 story, basement, rein.-con., brick, Lorain Ave. and West 152nd St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Est. $150,000. Noted Oct. 18.

O., Toledo—APARTMENT and STORE—S. R. Harris, (owner, builder and archt.), Spitzer Bldg., 3 story, basement, 107 x 115 ft., brick, plain found., Sylvania Ave., $250,000.

Ind., Peru — HOSPITAL — Miami Co. Hospital, general contract Aaron Dukes Hospital, brick, steel, to L. E. Wickersham, Logansport. Est. $150,000. Noted Sept. 27.

Mich., Detroit—COMMERCIAL—A. R. Cunningham, 1065 Woodward Ave., 6 story, basement, 75 x 100 ft., rein.-con., brick, steel, stone, plain found. State St., to Otto Misch Co. 159 East Columbia St.

Mich., Detroit — COMMUNITY — C. E. Brewer, comr. Dpt. Recreation, 504 Elmwood Ave., 2 story, basement, 95 x 185 ft., rein.-con., brick, steel, stone, plain found., to Bambrook-Gowan Co., 4829 Woodward Ave., $241,500. Noted Nov. 15.

Mich., Flint—AUDITORIUM—Industrial Mutual Assn., Industrial Bank Bldg., 2 story, part basement, concrete, brick, steel, stone, 7,000 seating capacity, plain found., to Ralph Sollitt, South Bend, Ind. Est. $500,000. Noted Nov. 4.

Mich., Port Huron — EXCHANGE and OFFICE — Michigan Bell Telephone Co., Cass Ave., Detroit, 3 story, basement, rein.-con., brick, steel, plain found., 6th St., to H. H. Esselstyn Constr. Co., Hoffman Bldg., Detroit. Est. $200,000. Noted Oct. 18.

Ill., Chicago — APARTMENT — Jillson & Pierce, archts., 35 East Wacker Dr., general contract 6 story, basement, 50 x 135 ft., to Mutual Constr. Co., 2532 Warren Ave., for Fourteen Hundred Twelve Chase Avenue Building Corp., c/o architects. Est. $350,000. Noted Sept. 27.

Ill., Chicago—APARTMENT—Lowenberg & Lowenberg, archts., 111 West Monroe St., masonry and carpentry contract 13 story, basement, 70 x 150 ft., rein.-con., brick, plain found., to Shellberg Constr. Co., 6712 North Clark St., for H. L. Soloman, 134 North La Salle St. Est. $850,000. Noted Oct. 17.

Ill., Chicago — APARTMENT—Rissman & Hirschfeld, archts., 228 North La Salle St., masonry contract 7 and 8 story, 50 x 130 ft., brick, to H. Janisch & Co., 1813 Winona St.; plumbing, to Noble & Thumn, 1065 Addison St., for Hamlin Jackson Building Corp. Est. $350,000. Noted Nov. 18.

Ill., Chicago — APARTMENT — Walin, Greenberg & Levinson, (owner and general contractors), 155 North Clark St., taking bids 3 story, basement, brick, stone on 100 x 230 ft. site, 5240 Drexel Ave. $250,000. M. L. Bein, 64 West Randolph St., archt.

Ill., Chicago — HOTEL — Fox & Fox, archts., 38 South Dearborn St., masonry contract 3 story, English basement, 100 x 193 ft., brick, stone, 937 Montrose Ave., to J. Traff, 3735 North Clark St.; plumbing, to T. J. O'Malley, 308 North Oak St., for S. M. Earling, 1106 Leland Ave. Est. $700,000. Noted Oct. 25.

Ill., Chicago—STORE and APARTMENT—V. C. Carlson, 636 Church St., Evanston, general contract 5 story, basement, 125 x 125 ft., rein.-con., brick, 6749 North Clark St., to V. C. C. Constr. Co., Evanston. Est. $225,000.

Ill., Evanston—HOSPITAL—H. J. Gaul, archt., 228 East Superior St., Chicago, masonry and carpentry contract 4 story, basement, 50 x 250 ft., brick, steel, hollow tile, to C. J. Rose & Son, 1814 Mohawk St., for St. Francis Hospital, 355 Ridge Ave. Est. $500,000. Noted Oct. 18.

Wis., Milwaukee — APARTMENT—Marcus Realty Co., 1369 31st St., carpentry and roofing, 3 story, basement, 84 x 116 ft., brick, plain found., to B. Mendelson, 951 52nd St.; masonry, to W. W. Koch, 1111 2nd St.; concrete, to Bretz Constr. Co., 1125 3rd St. Noted Sept. 20.

Minn., Minneapolis—CLUB HOUSE—Calhoun Beach Holding Co., S. G. Collins, pres., 203 Lincoln Bank Bldg., general contract 8 story, basement, 127 x 231 ft., rein.-con., brick, terra cotta, Dean Blvd. and West Lake St., to J. A. Holpuch Co., 111 West Washington St., Chicago, Ill. Est. $1,000,000. Noted Sept. 13 under "Contracts Awarded."

S. D., Sioux Falls—HOSPITAL—Sioux Valley Hospital Assn., general contract 6 story, basement, 42 x 200 ft., rein.-con., brick, stone, to Henry Carlson Constr. Co., Sioux Falls. Est. $250,000. Noted Oct. 25.

Tex., Galveston — OFFICE — American Natl. Insurance Co., S. Moody, pres., superstructure 11 story, basement, 43 x 84 x 120 ft., rein.-con., steel annex, plain found., to L. E. Myers Co., 53 West Jackson Blvd., Chicago, Ill. Noted Nov. 1.

Tex., Houston—STORE—Sears-Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., general contract 3 story, 165,000 sq.ft. floor space, brick, rein.-con., to B-W Constr. Co., 720 Cass St., Chicago, Ill. Est. $500,000. Nimons, Carr & Wright, 333 North Michigan Ave., Chicago, Ill., archts.

Tex., Lampasas — HOTEL — Lampasas Hotel Co., Lampasas, general contract 6 story, part basement, 60 x 92 ft., brick, hollow tile, granite, 3rd and Main Sts., to Davis Bros., Georgetown. Total est. $150,000.

Tex., Plainview—HOTEL—A. G. Hinn, J. H. Massey and Associates, Ft. Worth, 9 story, basement, 91 x 140 ft., brick, stone, rein.-con., to H. W. Underhill Constr. Co., Constr. Industrial Bldg., Dallas, $232,878; heating, plumbing and refrigeration, to Young & Pratt, Lubbock, $76,500. Noted Apr. 26.

Tex., Victoria—HOTEL—G. L. Bruner, 434 Bedell Bldg., San Antonio, general contract 10 story, basement, 1st story 65 x 164 ft., mezzanine floors 32½ x 130 ft., and balance 32½ x 72 ft., brick, steel, to A. F. Marshall, San Angelo, $190,000. Noted Nov. 1.

Okla., Tulsa — APARTMENT — R. M. Steil, 1118½ South Main St., 3 story, basement, 45 x 150 ft., rein.-con., brick, steel, day labor. $150,000. N. E. Peters, Orear-Leslie Bldg., Kansas City, Mo., archts.

Calif., Los Angeles — APARTMENT — Owner, c/o M. Maltzman, archt., 609 Union Bank Bldg., 4 story, basement, 104 x 120 ft., brick, 6th and Cochran Sts., to W. Feigenbaum, 322 Union Bank Bldg., $250,000. Noted Nov. 15.

Calif., Los Angeles — APARTMENT — Owner, c/o M. Maltzman, 609 Union Bank Bldg., 6 story, 100 x 150 ft., brick, stucco, Sunset Blvd. and Harper Ave., to California Land & Building Co., 3923 West 6th St., $325,000. Noted Nov. 15.

Ont., North Bay—STORE—T. Eaton & Co. Ltd., 190 Yonge St., Toronto, general contract 2 story, basement, 66 x 130 ft., concrete, brick, steel, plain found., to Jeffery & Stevens, 23 McIntyre St. E. Est. $150,000. Noted Sept. 6.

Ont., Toronto — APARTMENT — H. Shankman, 2980 Dundas St. W., 2 story, basement, concrete, brick, steel, stone, plain found., Broadway Ave. $150,000. Owner sublets all trades. Private plans.

Ont., Toronto — APARTMENT and GARAGE—Heydon Hall Apartments, c/o Giles & Maule, McKinnon Bldg., excavation for 3 story, basement, 40 x 165 ft., concrete, brick, steel, Heydon Park Ave., to Gordon Bros., 156 Christie St. Est. $150,000.

Ont., Toronto—LOFT—S. Fremes, 333 Adelaide St. W., general contract 10 story, basement, rein.-con., brick, steel, stone, to Wilde & Brydon Ltd., Canadian Pacific Ry. Bldg. Est. $250,000.

Ont., Toronto—STORE and OFFICE—Incorporated Synod Diocese of Toronto, c/o Catto & Catto, archts., 1 Wellington St. W., general contract 4 story, basement, 51 x 104 ft., rein.-con., brick, steel, plain found., Yonge St., to A. R. Holmes, 61 Hayden St. Est. $150,000.

Buildings—Educational, Religious

Proposed Work

Mass., Lynn—HIGH SCHOOL—City, R. S. Bauer, mayor, City Hall, new sketches by Sanborn & Weed, Item Bldg., 3 story, basement, irregular sized, brick, stone, plain found., Memorial Park. $1,000,000. J. R. Worcester Co., 79 Milk St., Boston, engrs. Noted July 26.

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Buildings—Educational, Religious (Contd.)

Mass., Worcester—SYNAGOGUE—Beth Israel Congregation, J. E. Jaffe, chn., 69 Grafton St., brick, stone, Pleasant St. $150,000 or more. Engineer and architect not selected.

R. I., Auburn (mail Providence) — CHURCH — First United Presbyterian Church, Central Falls, church. $150,000 or more. Engineer and architect not selected.

Conn., East Haven (br. New Haven)—SCHOOLS—Town, W. Jaspers, 57 Kirkham Rd., plans by G. A. Quick, 170 Kneeland Rd., New Haven, and soon takes bids 1 and 2 story, basement, brick, grade schools plain founds., 1 in Foxton Rd. and 1 in Tuttle Dist. $150,000.

Conn., New Britain — CHURCH — St. Johns German Evangelical Luthern Church, 295 Arch St., plans by F. C. Teich, 99 West Main St., church and community building, Arch St. $150,000. Noted Oct. 4.

Conn., New London—ART and SCIENCE —Connecticut College of Women, Hartford Trust Co., trustee, Hartford, Conn., plans by C. Platt, 101 Park Ave., New York, brick, stone. $250,000.

Conn., Plainville — SCHOOL — Town, School Com., Town Hall, receiving competitive plans 2 story, basement, brick, steel addition. $150,000. Engineer and architect not selected.

N. Y., Brooklyn — LIBRARY — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, additional work, incl. excavating, retaining walls, for Brooklyn Central Library, Grand Army Plaza. $1,100,000 voted.

N. Y., Dobbs Ferry—SCHOOL—Masters School sketches by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., school. $150,000 or more.

N. Y., New York — ARTS — American Academy of Arts & Letters, 633 West 155th St., 4 story, brick, stone, 156th St. near Bway. To exceed $250,000. Engineer and architect not selected.

N. Y., Poughkeepsie — SCHOOL — Bd. Educ., 22 Washington St., plans by C. J. Cooke, 45 Market St., Eighth Ward School, 2 story, 124 x 182 ft., brick. $300,000.

N. J., Browns Mills — SCHOOL — Bd. Educ., Pemberton, plans by A. Merchant, 52 Paterson St., New Brunswick, 1 story, basement, brick, steel, plain found. $150,000. Noted Nov. 15.

N. J., Carlstadt (Ind. br. Rutherford)—SCHOOL—Bd. Educ., Boro Hall, brick, steel school. $150,000. Engineer and architect not selected.

N. J., Millburn—HIGH SCHOOL—Bd. Educ., Town Hall, plans by Guilbert & Betelle, 20 Branford St., Newark, 2 story, basement, rein.-con., brick, steel, addition, plain found. Old Short Hills Rd. $400,000. Noted Nov. 1.

N. J., Neptune City — SCHOOL — Bd. Educ. plans 2 story, basement, brick, steel, plain found. $150,000. Engineer and architect not selected.

N. J., Paterson — NORMAL SCHOOL — State Bd. Educ., State House, Trenton, 3 story, basement, brick, steel, plain found. $500,000. Engineer and architect not selected.

Pa., Abington — HIGH SCHOOL — Bd. Educ. plans by Heacock & Hokenson, 1211 Chestnut St., Phila., Junior High School. $300,000.

Pa., Phila. — ADMINISTRATION — Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., plans by I. T. Catharine, 19th and Chestnut Sts., 11 story, basement, E-shaped, rein.-con., steel, stone, Parkway at Winter St. $2,500,000.

Tenn., Memphis—SCHOOLS—Bd. Educ., W. J. Prescott, pres., Junior High School, somewhere between Cooper St. and South Parkway, $300,000 - $400,000; grammar school, in present Snowden Junior and Grammar School section, $150,000.

O., Maple Heights (br. Cleveland)—HIGH SCHOOL — Bd. Educ., A. Hadfield, clk., plans by A. M. Allen Co., 7016 Euclid Ave., Cleveland, 2 story, basement, brick, steel, concrete addition. $150,000

O., Miles Heights (br. Cleveland) — SCHOOL—Bd. Educ., D. E. Stewart, principal plans by Fulton & Taylor, 8120 Euclid Ave., Cleveland, 2 story, brick, steel, concrete addition. $150,000.

Mich., Ann Arbor — CHURCH — First Presbyterian Church plans by G. D. Mason, Standard Savings & Loan Bldg., Detroit, 2 story, basement, rein.-con., brick, steel, limestone, Washtenaw Ave. $360,000.

Mich., Dearborn—CHURCH—First Presbyterian Church plans by Fry & Kasurin, Arcade Bldg., Ann Arbor, 2 story, basement, rein.-con., brick, steel, stone, plain found. $150,000.

Mich., Dearborn—SCHOOL—Bd. Educ. plans by G. D. Mason, Standard Savings & Loan Bldg., Detroit, 2 story, basement, rein.-con., brick, steel, stone, plain found. $200,000.

Mich., Detroit — CHURCH, RECTORY and SCHOOL — St. Pauls Roumanian Church, c/o P. R. Rossello, archt., 17 Cadillac Sq., 2 story, basement, rein.-con., brick, steel, plain found. $175,000.

Mich., Fordson — SCHOOL — Bd. Educ. plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, 2 story, basement, 20-room, rein.-con., brick, steel, plain found., Meade and Payne Sts. $250,000.

Mich., Halfway—SCHOOLS—Bd. Educ., addition to high school, new 4 room, school, both rein.-con., brick, steel, stone, plain founds. $150,000.

Mich., Saline — SCHOOL — Bd. Educ. plans by Fry & Kasurin, Ann Arbor, 2 story, basement, 16-room, rein.-con., brick, steel, plain found. $150,000.

Ill., Jacksonville—GYMNASIUM—Illinois College, C. H. Rammelkamp, pres., sketches 1 story, basement, rein.-con., brick, stone. $200,000.

S. D., Yankton—SCIENCE HALL—Yankton College, G. W. Nash, pres., bids in 1929, 3 story, basement, 2 irregular shaped wings, rein.-con., brick. $275,000.

Mo., Excelsior Springs—HIGH SCHOOL —Bd. Educ., c/o Secretary, soon takes bids 2 story, basement, rein.-con., brick, stone school. $200,000. Owen, Saylor & Payson, 505 Interstate Bldg., Kansas City, archts. Noted Nov. 1.

Ark., Batesville—COLLEGE—Arkansas College, E. B. Tucker, pres., sketches by Witt, Seibert & Halsey, Texarkana Natl. Bank Bldg., Texarkana, administration building, girls dormitory, library, gym-

Ark., Little Rock—HIGH SCHOOL—School Bd., W. N. Brandon, secy., 8th and Louisiana Sts., soon takes bids Negro High School, 3 story, basement, rein.-con., brick, stone, 18th and Ringo Sts. $300,000. Wittenberg & Deloney, Home Insurance Bldg., archt.

Ont., Dundas—HIGH SCHOOL—School Bd., A. Hill, chn., plans by W. J. Walsh, 403 Terminal Bldg., Hamilton, brick, stone, high school, incl. physics and chemistry laboratories, Dundas West. $150,000.

Ont., London — CHAPEL — Diocese of London, A. Fallon, bishop, The Palace, plans by Pennington & Boyde, 1002 Security Bldg., Windsor, and takes bids early in spring, stone, Sunshine Park. $200,000.

Ont., Ottawa—HOME—Ottawa Protestant Orphans Home, Elgin St., W. and J. A. Evart, archt., Jackson Bldg., soon take bids orphans home, Elgin St. $175,000.

Bids Desired

Mich., Ann Arbor—DORMITORY—Dec. 6, by Trustees University of Michigan, Guardian Trust Co., trustee, Griswold St., Detroit, 5 story, basement, brick, steel, stone, concrete, plain found., Observatory St. $500,000. Malcolmson & Higginbotham, 1219 Griswold St., Detroit, archts.

Mass., Brookline (br. Boston)—SCHOOL —Congregation Kehillath Israel, L. M. Epstein, rabbi, 384 Harvard St., taking bids 2 story, basement, brick, stone, plain found., Harvard St. $150,000. Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, archts. Noted Nov. 15.

Mass., Norwood — HIGH SCHOOL — Town, L. Grant, supt., taking bids Junior High School, 3 story, basement, brick, plain found. $175,000. W. G. Upham, Washington St., archt.

N. Y., Woodhaven (Ind. br. Jamaica)—HIGH SCHOOL—Dec. 6, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract John Adams High School, Rockaway Blvd., Sutter Ave. 101st and 103rd Sts., for Bd. Educ., 500 Park Ave., New York. Noted June 16.

N. J., Plainfield — COMMUNITY CENTER—Nov. 27 (extended date), by Block & Hesse, archts., 18 East 41st St., New York, 3 story, basement, 120 x 125 ft., brick, steel, plain found., West 7th St. and Center Ave., for Y. M. H. A., W. Newcorn, pres., 220 Park Ave. $150,000. Noted Nov. 8.

N. J., Secaucus (Ind. br. West New York)—SCHOOL—Nov. 23, by Bd. Educ., School 1, 2 story, basement, brick, steel, rein.-con., plain found., Paterson Lane and County Ave. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt. Noted Nov. 15.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Ave., bids about Dec. 1, 2 story, basement, brick, steel, plain found., Sheridan Ave. and Northfield Rd. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted Oct. 25.

Md., Baltimore—PHYSIOLOGY—Dec. 4, by Archer & Allen, archts., Central Savings Bank Bldg., 6 story, basement, 71 x 96 ft., rein.-con., brick, steel, Wolfe St. and Bway., for Johns Hopkins University. Van Renssalaer Saxe, Knickerbocker Bldg., engr.

Mich., Battle Creek—CHURCH—Dec. 10, by A. B. Chanel, archt., 717 Post Bldg., 1 and 2 story, basement, 90 x 147 ft., rein.-con., brick, steel, stone, plain found., East Van Buren Ave. for St. Phillips Parish, 92 Maple St. $250,000. Noted Oct. 11.

Mich., Detroit—SCHOOL—Dec. 3, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Broadway Ave., 2 story, basement, 70 x 135 ft., rein.-con., brick, steel, plain found., Brock St. $175,000.

Mich., Detroit—SCHOOL—Dec. 3, by C. A. Gadd, bus. mgr. Bd. Educ., 3 story, basement, 200 x 300 ft., rein.-con., brick, steel, stone, plain found., Turner Ave. $740,000. L. Kamper, Kamper Bldg., 3729 Cass Ave., archt.

Mich., Trenton—HIGH SCHOOL—Nov. 26, by Bd. Educ., G. D. Strohm, secy., 2 story, basement, rein.-con., brick, steel addition, incl. swimming pool, plain found. $150,000. Le Roy & Newlander, Kalamazoo, archts.

Ill., Chicago — SCHOOL — Shattuck & Layer, archts., 134 North La Salle St., taking bids 3 story, brick, 55th St. and Kimbark Ave., for Catholic Bishop of Chicago, 740 Cass St. $200,000.

Wis., Green Bay — CHURCH — C. C. Reynolds, assoc. archt., Green Bay, taking bids 1 story, brick, stone, Madison St., for Union Congregational Church. $150,000. Lautz & Christensen, 806 West 79th St., Chicago, Ill., archts. Former bids rejected. Noted July 12.

Minn., Virginia—HIGH SCHOOL—Dec. 5, by Bd. Educ., J. E. Hanson, clk., 2 story, basement, rein.-con., brick high school. $750,000. J. A. Codding, Virginia, archt. Noted Nov. 15.

Mo., Springfield—CHURCH—First Presbyterian Church, O. L. Black, pastor, 615 South Fremont St., bids about Dec. 5, 2 and 3 story basement, 28 x 41 ft., and 41 x 90 ft., rein.-con., brick, stone, incl. gymnasium, social service rooms, Cherry and Dollison Sts. A. A. Honeywell, Indianapolis, Ind., archt. Noted Oct. 25.

Calif., Pomona—HIGH SCHOOL—Dec. 11, by Bd. Educ., Pomona City High School Dist., 2 story, 217 x 290 ft. administration building, and 1 story, 50 x 160 ft. shop, rein.-con., Garey St. $275,000. T. C. Kistner & Co., 814 Architects Bldg., Los Angeles, archts.

Bids Received

N. J., Bloomingdale — SCHOOL — Bd. Educ., Hillsboro Twp., W. French, dist. clk., Anwell Rd., 1 and 2 story, brick, steel, plain found., from Macchi & Co., Cornell Blvd., Somerville. Est. $150,000. Noted Nov. 1.

N. J., Piscataway town—SCHOOL—Bd. Educ., Nov. 12, general contract addition to Clara Barton School, from H. Greisen, 175 Smith St., Fords, $131,000; heating from Jensen & Rodner, New Brunswick, $47,578.

N. J., Tenafly—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, plain found., Magnolia Ave., from J. E. Bowe, 18 West Palisade Ave., Englewood, $162,400; heating, from Beck Heating & Ventilating Co., 449 19th St., West New York, $30,000. Noted Oct. 11.

Mich., Detroit — SCHOOL—A. C. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., Nov. 12, general contract 2 story, basement, 110 x 135 ft., rein.-con., brick, steel, plain found., Lappin Ave., from Stibbard Constr. Co., 3000 Grand River, $104,000; heating, from J. W. Partlan, 14290 Goddard Ave. $33,931. Noted Nov. 8.

Contracts Awarded

N. Y., Brooklyn—SYNAGOGUE—Temple Beth El, c/o B. Moss, 299 Steinway Ave., Astoria, 3 story, to D. Solomon, 160 Montague St. Est. $250,000.

N. Y., Buffalo — COLLEGE — W. Haugaard, archt., Capitol, Albany, general contract college, gymnasium and vocation buildings, at New York State College for Teachers, to C. Everitt, 295 Auburn Ave., $1,300,000. Noted Oct. 25.

N. Y., Coney Island (sta. Brooklyn) — HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract Abraham Lincoln High School, Ocean Parkway, to G. F. Driscoll Co., 548 Union St., Brooklyn, $1,848,780; plumbing, to Wells & Norton, 250 West 27th St., New York, $118,837; heating to Heat Control Serv. Co., 3102 Clarendon Rd., Brooklyn, $218,570; electrical work, to Elgin Electric Co., 204 East 27th St., New York, $67,400. Grand total, $2,253,587. Noted Oct. 25.

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Buildings—Educational, Religious (Cont.)

N. Y., Long Beach — SCHOOL — Union School Dist. 28, I. M. Thurman, in charge, school, to Johnson & Molitor, Park St., Long Beach. Est. $300,000.

N. Y., New York—SCHOOLS—Bd. Educ., 500 Park Ave., general contract P. S. 104, to Graybar Constr. Co., 284 Washington Ave. $692,925, heating, to Pyro Heating Co., Inc., 1375 58th St., Brooklyn $95,000, plumbing, to H. Homer, 183 6th Ave. $26,-470, electrical work, to Criterion Electric Co., Inc., 470 East Tremont Ave. $25,000; general contract P. S. 164, Edward W. Stitt Junior High School, to Sound-view Building Corp., 355 East 149th St. $657,-000, heating, to H. Starkman & Bros., 333 East 81st St. $97,818, plumbing, to Wells & Newton Co., Inc., 250 West 27th St. $37,981, electrical work, to Arc Electric Constr. Co., 315 East 39th St. $26,280. Grand total $1,658,474. Noted Oct. 25 and Nov. 1.

N. Y., Syracuse—SCHOOL—Bd. Contr. & Supply, City Hall, 2 story, basement, rein.-con., brick, steel, plain found., to Shane Constr. Co., Hills Bldg., $265,000; heating, to Fred Brandt Co., 113 Oakwood Ave., $43,248; plumbing, to J. R. Walsh, 112 Montomery St., $26,200. Grand total $334,448. Noted Oct. 25. Electrical work, to Cavanaugh Electrical Co., 321 Mather St., $13,669.

N. J., Hillside (br. Elizabeth)—SCHOOL—Bd. Educ., Central Grammar School, 143 Coe St., general contract addition to Hillside Ave. School, to Gilmore Bros., Inc., 679 Market St., Paterson, $159,000. Noted Oct. 25. Heating, to G. Stewart, 270 South 20th St., Newark, $22,911; electrical work, to E. D. Wilson, 54 Elizabeth Ave., Newark, $11,028.

N. J., North Arlington (mail Arlington) —SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, rein.-con., plain found., Argyle Ave., to L. Infante & Son, 222 Westervelt Pl., Lodi. Est. $150,000. Noted Oct. 25.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, 177 x 179 ft., rein.-con., brick, steel, plain found., to H. M. Martens, 2211 Woodward Ave., $245,982; steam heating, to Card & Dawson, 3922 Garland Ave., $70,779. Noted Sept. 20.

Mich., Detroit—SCHOOL—A. C. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., general contract 2 story, basement, 100 x 135 ft., rein.-con., brick, steel, plain found., to Culbertson & Kelley, 872 Milwaukee Ave. steam heating, to J. W. Partlan, 14290 Goddard Ave. Est. $150,000. Noted Nov. 8.

Mich., Flint—SCHOOL—H. L. Hills, bus. mgr. Bd. Educ., 2 story, basement, rein.-con., brick, steel, stone, plain found., to C. Schollenberger, 223 Curtis Bldg., West Grand Blvd., Detroit. Est. exceeds $150,-000. Noted Nov. 1.

Mich., Pontiac — SCHOOLS — Bd. Educ., general contract Lincoln Junior High School, 1 and 2 story, basement, 216 x 263 x 374 ft., to Pryale Constr. Co., Pontiac, $407,900; general contract Whittier School, 2 story, to Chissus Bros., Birmingham, $172,800; heating, ventilating and plumbing for both schools, to Eames & Brown, Pontiac, $112,649 and $52,305 respectively, electrical work for both schools, to Durkes Electric Co., Pontiac, $41,028 and $17,345 respectively. Grand total $804,027. Noted Sept. 13.

Ill., Bloomington — MUSIC COLLEGE — Illinois Wesleyan University, Bloomington, 2 story, rein.-con., brick, stone, to J. L. Simmons Co., Bloomington. Est. $250,000.

Ill., Evanston — SCHOOL — Childs & Smith, archts., 720 North Michigan Ave., general contract 3 story addition, to C. E. Anderson Co., 306 South Wabash Ave., Chicago; plumbing and heating, to Amer. Heating & Plumbing Corp., 1622 Darrow Ave. Est. $160,000. Noted Sept. 13.

Ill., Oak Park — CHURCH — Catholic Bishop of Chicago, 740 Cass St., general contract 75 x 170 ft. church, 90 ft. high, 1,100 seating capacity, East and Van Buren Sts., to Mutual Constr. Co., 2532 Warren Ave., Chicago. Est. $300,000.

Tex., Abilene — DORMITORIES — Abilene Christian College, c/o President two 61 x 171 ft., brick, stone, steel, rein.-con., to Balfanz Constr. Co., Abilene, $160,000.

Calif., Oakland—HIGH SCHOOL—Oakland School Dist., Clawson-Longfellow High School, 3 story, rein.-con., to J. E. Branagh, 184 Perry St., $246,294. Noted Nov. 15.

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Federal Government Work

Proposed Work

Mass., Northampton—GREENHOUSE—U. S. Veterans' Bureau rejected bids Aug. 21, at U. S. Veterans' Hospital. Noted Aug. 30.

Mass., Rutland Heights—GREENHOUSE—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids Sept. 11, at U. S. Veterans' Hospital. Noted Sept. 20.

O., Chillicothe — GREENHOUSE — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids greenhouse and workroom at U. S. Veterans' Hospital. Noted Oct. 4.

Ia., Knoxville — GREENHOUSE — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids Sept. 4, at U. S. Veterans' Hospital. Noted Sept. 20.

Ark., North Little Rock—HOSPITAL—U. S. Veterans' Hospital 78, 2 story, brick concrete addition. Private plans.

Tex., Galveston — HOSPITAL — Treas. Dpt., at office Supervising Archt., Wash., D. C., 4 story, part basement, Marine Hospital, between M and N Aves., 43rd and 45th Sts.

Calif., San Diego—BOILER—Spec. 5483—Bureau Yards & Docks, Navy Dpt., Wash., D. C., rejected bids Oct. 31, boiler and accessories at Naval Air Station. Noted Nov. 8.

Bids Desired

D. C., Wash.—HOSPITAL—Dec. 27, by Constructing Quartermaster, Army Medical Center, isolation ward, laboratory, tuberculosis ward, observation ward, Ward No. 3, altering 3rd floor administration building, baggage and effects building, connecting corridors, roads, sidewalks, grading, water, sewer and electric lines; adv. E. N.-R. Nov. 22. Noted Oct. 25.

D. C., Wash.—CULVERTS—Nov. 28, by A. L. Flint, gen. purch. agt. Panama Canal, galvanized corrugated culverts.

D. C., Wash. — WARMING-UP PLATFORM — Spec. 5792 — Nov. 28, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., warming-up platform at Naval Aid Station (Anacostia). Noted Nov. 15.

D. C., Wash.—CHASSIS—Dec. 7, by A. L. Flint, gen. purch. officer Panama Canal, motor truck chassis, automobiles, cast steel rollers, bronze bushings, gears, grinders, melting furnace, sewer pipe, lighting fixtures, etc., Schedule 1924.

D. C., Wash.—INTERNAL REVENUE—Jan. 2, by Treas. Dpt., at office Supervising Archt., Wash., D. C., Internal Revenue Building (except elevators), 7 story, basement, stone. J. A. Wetmore, acting superv. archt. Noted Nov. 24, 1927.

Virginia — DREDGING — Dec. 15, by U. S. Engineer Office, Norfolk, 3,977,000 cu.yd. channel across Rocklanding Shoal in James River; adv. E. N.-R. Nov. 22. Noted Nov. 15.

Va., Newport News—DREDGING—Dec. 15, by U. S. Engineers Office, Norfolk, 2,-000,000 cu.yd. in channel to Newport News; adv. E. N.-R. Nov. 22. Noted Nov. 8.

Ga., Fort Benning—BARRACKS—Dec. 12, at office Constructing Quartermaster, constructing Units "A," "B," "C" and "D" and pipe tunnel of Barracks 2; adv. E. N.-R. Nov. 22. Noted Nov. 15.

Fla., Lake City—ALTERATIONS—Dec. 11, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., altering Building 4, U. S. Veterans' Hospital. Noted Oct. 4.

La., New Orleans — EARTHWORK — Nov. 30, by U. S. Engineer Office, Burdette St. and River Front, 172,000 cu.yd. earthwork in New Orleans River Dist.

Tenn., Memphis — EARTHWORK — Dec. 19, by U. S. Engineer Office, 1,200,000 cu.yd. earthwork in Lower St. Francis Levee Dist.; adv. E. N.-R. Nov. 22.

Ky., Louisville—WICKET IRONS—Dec. 4, by U. S. Engineer Office, P. O. Box 72, wicket irons, horses and props, for Bebout weir of Dam 48, Ohio River; adv. E. N.-R. Nov. 22.

Mich., Camp Custer (br. Battle Creek)—HEADQUARTERS, etc.—Nov. 30, at office Constructing Quartermaster, camp headquarters, camp dispensary and mess hall and kitchen.

Calif., Riverside—WATER and SEWER LINES — Dec. 10, at office Constructing Quartermaster, March Field, water and sewer lines; adv. E. N.-R. Nov. 22.

Bids Received

Fla., Jupiter—BULKHEAD—Spec. 5703—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing bulkhead at Naval Radio Station, from J. M. Cromer & Son, 5 Stypmann Arcade, West Palm Beach, Fla., $1,990. Noted Nov. 1.

Miss., Corinth — EXTENSION — Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 16, extending U. S. Post Office, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $56,700. Noted Oct. 18.

Mich., Camp Custer (br. Battle Creek) — WATERPROOFING — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., waterproofing walls, at U. S. Veterans' Hospital, from Colorless Damp-proofing Co., Inc., Boston, Mass., $20,878 (14 to 40 days).

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, Nov. 8, grading 1.8 mi. Strawberry Creek-North Fork Sect., Route 72, Natl. Forest Hy., Riverside Co., from L. G. Singletary, 1064 Market St., Riverside, $44,937. Noted Nov. 1.

Calif., San Diego — REFRIGERATION CASES — Spec. 5747 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., Nov. 14, refrigerator cases and machine, from Frigidaire Corp., 1313 New York Ave., N. W., $2,292. Noted Oct. 25.

Contracts Awarded

Mass., Rutland Heights — COVERED WALKS — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., at U. S. Veterans' Hospital, to R. H. White, Auburn, Me., $6,789. Noted Nov. 15.

N. Y., Brooklyn—ROOFING—Spec. 5733—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing roofing at U. S. Naval Hospital, to J. Grossman, 55 West 42nd St., New York, $6,770 (90 days). Noted Nov. 8.

N. J., Picatinney Arsenal (mail Dover)—ADMINISTRATION, etc. — Constructing Quartermaster, 38 buildings, to Van Asdlen Constr. Co., 1600 Arch St., Phila., Pa., $793,516. Noted Oct. 18.

Pa., Olyphant—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office, to A. C. Samford, 301 Washington Ave., Montgomery, Ala., $46,960 (365 days). Noted Nov. 8.

Pa., Phila. — FACTORY — Spec. 5741 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., altering Building 517, Navy Aircraft Factory, Navy Yard, to J. H. Hutt, 5919 Spruce St., Phila., Pa., $11,440 (120 days).

Pa., Pittsburgh—LOCKKEEPERS HOUSES—U. S. Engineer Office, two 7 story lockkeepers houses at Lock 6, Allegheny River, to F. J. Kamnerdeiner, Natrona Heights, $15,726. Noted Nov. 15.

Md., Baltimore—DREDGING—U. S. Engineer Office, Baltimore Harbor and channels, to Arundel Corp., Pier 2, Pratt St., $50,032. Noted Nov. 15.

Va., Norfolk — GENERATOR — Spec. 5642 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., engine driven generator, for Naval Hospital, to Hitt & Brown, Inc., 137 West Charlotte St., $14,915 (120 days). Noted Nov. 15.

Va., Yorktown—ROADS—Spec. 5753—Bureau Yards & Docks, Navy Dpt., Wash., D. C., roads at Naval Mine Depot, to G. Y. Carpenter, Chester, $3,473 (30 days).

Va., Yorktown — FIRE ALARM CIRCUITS — Spec. 5379 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., fire alarm circuits, at Navy Mine Depot, to Harrison-Wright Co., Kinney Bldg., Charlotte, N. C., $27,100 (150 days). Noted Nov. 8.

Mississippi—LEVEES—U. S. Engineer Office, Memphis, levee work in Upper Yazoo Levee Dist., Pierce 35, to Canal Constr. Co., 501 McCall Bldg., Memphis, Tenn., $104,705; Piece 36, to McWilliams, Inc., Exchange Bldg., Memphis, Tenn., $63,-495; Pieces 37 and 38, to Lowrance Bros. Co., 623 Front St., Memphis, Tenn., $74,-530 each. Grand total $317,260. Noted Nov. 8.

Miss., Gulfport — QUARTERS — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., officers quarters at U. S. Veterans' Hospital, to E. E. Carroll, Madison, Fla., $42,990. Noted Nov. 15.

Tenn., Chattanooga — GENERATOR SETS—U. S. Engineer Office, diesel engine generator sets for diesel electric towboat to Fairbanks, Morse & Co., 900 South Wabash Ave., Chicago, Ill., $34,985. Noted Aug. 23.

Illinois—LEVEE—U. S. Engineer Office, Rock Island, levee at Lake Lima Drainage Dist., to W. E. Callahan Constr. Co., Arcade Bldg., St. Louis, Mo., $9,900. Noted Nov. 15.

Kan., Newton — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to W. D. Lovell, 1415 8th St. S.E., Minnepolis, Minn., $22,264 (180 days). Noted Oct. 25.

Wash., Puget Sound — DREDGING — Spec. 5776—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Quay Wall, West of

Federal Government Work (Continued)

Pier 4, Navy Yard, to McEachern Constr. Co., 551 Colon Bldg., Seattle, $4,276 (90 days).

Calif., San Diego — HEATING — Spec. 5761—Bureau Yards & Docks, Navy Dpt., improving heating at recreation building, Naval Operating Base, to Reed Bros. Co., 672 8th St., $4,939 (90 days).

FEDERAL POWER COMMISSION

Application for License and Permits Applications

927—Virginia Pub. Serv. Co., Charlottesville, Va., wants license transmission line in Natural Bridge National Forest, Augusta Co.

928—Comanche Mining & Reduction Co., Montgomery, Nev., wants preliminary permit power project partly within Inyo Natl. Forest and partly on public lands on Montgomery Creek, Mono Co., Calif.

929—Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif., wants license transmission line partly within Santa Barbara Natl. Forest, Ventura Co.

930—Empire Development Co., San Francisco, Calif., wants preliminary permit power project in Sequoia and Inyo Natl. Forests on Kern River, south fork Kern River and tributaries in Tulare Co.

Unclassified

Proposed Work

LAND DEVELOPMENT — **Nantucket, Mass.**—N. E. Lowell, 138 Main St., developing site for building purposes, on Hummocks Pond Rd. $25,000 or more. Private plans.

SWIMMING POOL—**Westport, Conn.**—Westport Y. M. C. A., T. H. Leonard, secy., Post Rd., tile, concrete swimming pool. $25,000. Engineer and architect not selected.

PARK SYSTEM — **Elizabeth, N. J.** — Union Co. Park Comn., Acme St., developing park system. $1,000,000 appropriated. W. R. Tracey, Acme St., engr.

BATHING POOL—**Paterson, N. J.**—Bd. Parks Comrs., City Hall, leveling ground, constructing concrete bathing pool, in Pennington Park. $65,000. H. J. Harder, city engr.

SWIMMING POOL—**Spring Lake** (Spring Lake Beach, P.O.), **N. J.**—Boro, Boro Hall, sketches 50 x 100 ft., rein.-con., glazed brick swimming pool, 2 story, 120 x 275 ft. pavilion, 600 bath houses, 60 shower houses, Ocean, Atlantic and Salem Aves. $150,000. E. H. Schmieder, 1109 3rd Ave., archt.

SWIMMING POOL—**Seaside Park, N. J.**—Arlington Beach Bathing Co., c/o E. H. Schmieder, 1109 3rd Ave., Spring Lake, sketches 75 x 100 ft. rein.-con., glazed brick swimming pool, 100 bathhouses, 500 lockerrooms, ten 1 story, brick, stores. $150,000.

STADIUM—**Gainesville, Fla.**—University of Florida plans by R. Weaver, 200 Peabody Hall, concrete, steel stadium. $500,000.

WADING POOLS—**Detroit, Mich.**—Dpt. Parks & Blvds., Marquette Bldg., rein.-con. wading pools in Palmer and Baby Creek Parks. $40,000.

STREET LIGHTING SYSTEM—**Galesburg, Ill.**—Ornamental lighting system on Main St. $26,190. A. L. Richey, City Hall, engr.

QUARRY—**Lyons, Ill.**—Material Service Corp., 111 West Washington St., Chicago, H. Crown, pres., purchased 80 acre site, plans quarry, West 47th St. $500,000.

TRANSMISSION LINE—**Texas**—Central Power & Light Co., Frost Bldg., San Antonio, granted franchise to build transmission line from Flatonia, to Waelder, extensions inside city limits of Waelder. $35,000. Private plans.

OIL PIPE LINE—**Texas** and **Illinois**—Empire Gas & Fuel Co., subsidiary Cities Service Co., 60 Wall St., New York, and Texas Co., 17 Battery Pl., New York, organized Texas Empire Pipe Line Co., Bartlesville, Okla., 600 mi. 12 in. oil pipe line from Mid-Continent Oil Fields in Texas to Chicago, Ill. $15,000,000.

GAS MAINS—**Fort William, Ont.**—See "Buildings—Industrial."

GRAIN ELEVATOR — **Fort Churchill, Ont.**—Owner, c/o C. D. Howe & Co., engrs., Port Arthur, soon takes bids 1,000,000 bu. grain elevator.

COAL STORAGE PLANT — **Oshawa, Ont.** — General Motors of Canada, 4,000 ton coal storage plant, concrete, rein.-con. storage bins, coal handling and conveying equipment. $40,000.

POWER DEVELOPMENT—**Trail, B. C.**—West Kootenay Power & Light Co., Rossland, L. A. Campbell, engr., have applied to Provincial Govt., for water rights on Pend Orielle River, 80,000 hp. development. $4,000,000.

Bids Desired

REFRIGERATION EQUIPMENT — **Albany, N. Y.**—Dec. 18, by Commissioner Dpt. Health, Capitol, refrigeration equipment for Dpt. Health, Div. Laboratories and Research; adv. E. N.-R. Nov. 22.

REFRIGERATION EQUIPMENT—**Binghamton, N. Y.**—Dec. 19, by Commissioner Dpt. Mental Hygiene, Albany, refrigeration equipment for Binghamton State Hospital; adv. E. N.-R. Nov. 22.

GENERATOR—**Buffalo, N. Y.**—Dec. 12, by Commissioner Mental Hygiene, Capitol, Albany, electric generator for Buffalo State Hospital; adv. E. N.-R. Nov. 22.

REFRIGERATION — **Buffalo, N. Y.** — Dec. 19, by Commissioner Dpt. Mental Hygiene, Albany, refrigeration work in refrigeration plant, Buffalo State Hospital; adv. E. N.-R. Nov. 22.

SANITARY WORK—**Central Islip, N. Y.**—Dec. 19, by Commissioner Dpt. Mental Hygiene, Albany, sanitary work, Vielle Home; adv. E. N.-R. Nov. 22.

SPECIAL WORK—**New York, N. Y.**—Nov. 27, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., supply of special work (rails, frogs and switches), for use in construction Rapid Transit Railroads.

BROAD STREET SUBWAY—**Phila., Pa.**—Dec. 4, by Dpt. City Transit, C. E. Myers, dir., City Hall Annex, rails, splice bars, spikes, Broad Street Subway Contr. 211; curves, crossovers, turnouts, channels, tie balls complete, Contr. 212.

SWIMMING POOL—**Trenton, Mich.**—See "Buildings-Educational, Religious."

TELEPHONE IMPROVEMENTS — **Mt. Vernon, Ill.** — See "Contracts Awarded."

Bids Received

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Nov. 13, constructing Sect. 5-A, Route 109, Rapid Transit R.R., from Carlo Petrillo Co., East Chester Creek and Boston Rd., New York, $2,019,977. Noted Nov. 1.

DUCT LINE — **New York, N. Y.**— Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Nov. 16, constructing duct line in Isham St. between Bway. and Substation 1, 10th Ave. near Isham St., from E. T. Barry, 126-06 139th Ave., Lauralton, $39,035. Noted Nov. 8.

TIES — **New York, N. Y.** — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Nov. 13, treated and untreated ties, in Central Park West, from Union Lumber Co., Grand Central Terminal, $71,631 and $19,982 respectively.

FIELD HOUSES—**Kearny** (sta. Arlington), **N. J.**—Bd. Educ., 20 Branford Pl., Newark, general contract 2 field houses on athletic field, at Kearny High School, from Eastern Building Co., 270 Fabyan Pl., Newark, $26,750. Noted Nov. 8.

BATH HOUSE—**Detroit, Mich.** — City, superstructure 1 story, 80 x 240 ft., rein.-con., brick, steel, sttone, River Rouge Park, from Leudzon Constr. Co., 5765 Chene St., $158,000. Noted Nov. 15.

FERRY LANDINGS—**Galveston, Tex.**—Galveston Co. c/o J. M. Murch, aud., Oct. 16, timber, concrete ferry landings, dredging, from Coastal Constr. Co. Galveston, $45,000. Noted Aug. 23.

Contracts Awarded

ELEVATORS — **Brooklyn, N. Y.** — New York Dock Co., 44 Whitehall St., New York, altering elevator shafts in six 12 story warehouses and lofts, to Otis Elevator Co., 130 Clinton St. Est. $200,000. Noted Nov. 8.

RETAINING WALL — **New Jersey** — Hudson Co., Court House, Jersey City, reconstructing repairing dry rubble retaining walls along Hudson Co. Blvd., to R. and F. Concreting Co., Inc., 412 44th St., Union City, $81,445. Noted Nov. 1.

TRAFFIC LIGHTS — **Paterson, N. J.** — Bd. Pub. Wks., City Hall, traffic lighting system on various streets, to W. J. Coleman, 11 Oakland Ave., Jersey City, $82,-836. Noted Nov. 1.

TRANSMISSION LINES, etc. — **Tennessee** — Tennessee Electric Power Co. and subsidiary, Nashville Railway & Light Co., Watkins Bldg., Nashville, transmission lines running east and south from Nashville through Centerville to Hohenwald and from Centerville to McEwen, 58 mi. steel tower construction of which 14 mi. will be double circuit, 51 mi. wood pole construction, sub-stations in Nashville, Centerville, McEwen Hohenwald, to Stevens & Wood, 20 Pine St., New York. Est. $1,500,000.

BULK STORAGE FIELD—**Ft. Wayne, Ind.**—Texas Co., 17 Battery Pl., New York, bulk storage field, Connecticut Ave. and Miller Rd., to Buesching-Hagerman Co., 402 East Superior St. Est. $40,000.

TELEPHONE IMPROVEMENTS — **Mt. Vernon, Ill.** — Illinois Bell Telephone Co., 212 West Washington St., Chicago, installing new switchboard equipment, extending distribution system day labor. $150,000. Private plans.

GAS PIPE LINE—**Texas**—West Texas Gas Co., Amarillo, 28 mi. 8 in. natural gas pipe line from Slaton to Post, to Jno. W. Moore Constr. Co., Rule Bldg., Amarillo, $75,000, sub-contracted to South Plains Pipe Line Co., Amarillo.

FIRE ALARM SYSTEM—**Tacoma, Wash.**—City Council, general equipment for fire alarm system, to Diamond Electrical Mfg. Co., 1318 East 16th St., Los Angeles, Calif., $47,000. Total est. $60,543.

WHARFS—**Canada**—Dpt. P. Wks., Ottawa, Ont., extending wharf at Natashquan, Que., to J. Gajuon, Natashquan, Que., $34,-000; extending wharf at Roberal, Que., to G. F. Frere, Roberal, $28,000; reconstructing Wharf 5, at Halifax, N. S., to Stephen Bros. Ltd., Halifax, N. S., $30,000; extending breakwater wharf, at West Advocate, N. S., to F. Boone, South Devon, N. S., $27,000. Grand total $110,000.

PIER—**Port Dover, Ont.**—Dpt. P. Wks., Parliament Bldg., Toronto, constructing new east pier, removing old pier, dredging harbor, to A. C. Stewart & Co., Port Dover, $130,858.

Materials

Bids Desired

PISTON HEADS, STEEL SHEETS, etc. — **Phila., Pa.** — Nov. 27, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., piston heads, Contr. 79—1928; steel sheets, Contr. 80—1928; bridge, Contr. 81—1928.

STEEL and CEMENT—**Alabama**—Nov. 26, by State Bd. Administration, Montgomery, 9,741,800 lb. reinforcing, and 85,-700 bbl. cement for 15 toll bridges, shipping points Catherine, Monroeville, Childersburg, Cedar Bluffs, Riverside, Scottsboro, Guntersville, Farley, Cochrane, Mt. Hebron, Epes, Riderwood, Jackson, Eutaw, and Demopolis. J. A. Schneider, purch. agt.

PIPE and CASTINGS—**New Orleans, La.**—Dec. 5, by J. L. Porter, engr., Sewer & Water Bd., Carondelet St., 1,232 tons 6 in. pipe, twenty-seven 60 in. special castings.

LUMBER, SPIKES, etc.—**Audubon, Ia.**—Dec. 4, at office Auditor Audubon Co., 274,-000 ft. standard sawed fir, 34,400 ft. creosoted yellow pine lumber, 12,700 lin.ft. creosoted yellow pine piling, 75 kegs spikes, several hundred lb. bolts, boat spikes, washers and other bridge hardware, 150 gal. white and 50 gal. red paint. C. A. Barthalow, Audubon, co. engr.

PIPE—**Vancouver, B. C.**—Dec. 11, by City Council, 5,000 ft. 18 in. steel pipe. C. Brackenridge, City Hall, engr.

Foreign

Mexico, Matamoras—International Sports & Amusement Co., c/o W. T. Tobey, secy. and treas., plans amusement project, incl. stadium, grandstands, race track, etc. $2,000,000. Dog track to cost $75,000 to be let at once.

South America, Colombia — City of Bogota plans water supply system. Mr. Gordon of Gordon & Bulot, engrs., 53 West Jackson Blvd., Chicago, Ill., is making preliminary estimates.

See proposal advertising on page 123

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UNIT PRICES

Sewerage System—Port Gibson, Miss.

City opened bids June 6 installing sanitary sewerage system. Lowest four and highest bidders are: (A) L. L. McEachin Construction Co., Home Insurance Bldg., Little Rock, Ark., (awarded contract vitr. clay pipe); (B) F. D. Harvey & Co., Memphis, Tenn.; (C) Ayers & Meaders, Memphis, Tenn.; (D) J. B. McCrary Engineering Corp., Atlanta, Ga.; (E) Boodie Construction Co., Laurel. P. A. O'Brien, 411 Edwards Hotel Bldg., Jackson, engineer.

		A	B	C	D	E
Trenching and Backfilling. Depth						
2,520 lin.ft.	0– 4 ft.	$0.20	$0.30	$0.22	$0.17	$0.30
13,389 lin.ft.	4– 6 ft.	.25	.40	.26	.25	.40
16,300 lin.ft.	6– 8 ft.	.32	.40	.32	.31	.60
4,350 lin.ft.	8–10 ft.	.40	.60	.45	.48	.75
2,375 lin.ft.	10–12 ft.	.55	.70	.60	.71	1.20
762 lin.ft.	12–14 ft.	.80	1.00	.80	.92	1.80
725 lin.ft.	14–16 ft.	1.05	1.20	1.00	1.16	2.60
485 lin.ft.	16–18 ft.	1.50	1.50	1.35	1.67	3.50
Standard Vitrified Clay Pipe						
2,510 lin.ft.	6 in.	.22	.14	.21	.18	.17
29,970 lin.ft.	8 in.	.30	.22	.33	.31	.28
6,387 lin.ft.	10 in.	.40	.32	.45	.42	.47
1,400 lin.ft.	15 in.	.75	.64½	.80	.74	.80
Concrete Pipe						
2,510 in.ft.	6 in.	.23	.15	.23	.19	.18½
29,970 lin.ft.	8 in.	.29	.21	.32½	.30	.27½
6,387 lin.ft.	10 in.	.38	.31	.44	.39	.45
1,400 lin.ft.	15 in.	.75	.53	.78	.76½	.65
Brick or Concrete Manholes						
10	0– 4 ft.	45.00	50.00	40.00	38.00	45.00
27	4– 6 ft.	51.00	55.00	50.00	50.00	47.50
15	6– 8 ft.	61.00	60.00	60.00	65.00	50.00
7	8–10 ft.	71.00	67.50	70.00	79.00	55.00
4	10–12 ft.	85.00	68.00	80.00	93.00	60.00
3	12–14 ft.	90.00	100.00	90.00	107.00	65.00
1	14–16 ft.	.....	110.00	100.00	120.00	75.00
1	16–18 ft.	.....	125.00	110.00	135.00	85.00
Cast Iron Pipe, Class "C"						
100 lin.ft.	8 in.	1.50	2.00	1.50	1.25	1.25
100 lin.ft.	8 in.	1.50	2.00	1.50	1.25	1.25
100 lin.ft.	10 in.	3.00	2.10	2.00	1.50	2.00
150 lin.ft.	15 in.	3.75	2.50	3.00	3.25	2.50
Brick or Concrete Drop Manholes						
4	6– 8 ft.	65.00	65.00	68.00	70.00	55.00
1	8–10 ft.	.....	70.00	78.00	84.00	60.00
2	10–12 ft.	90.00	85.00	90.00	98.00	65.00
2	12–14 ft.	95.00	105.00	105.00	112.00	75.00
2	14–16 ft.	115.00	115.00	116.00	125.00	85.00
House Services Trenching, backfilling, and 6 in. pipe, in place						
2,000 ft. vitr. clay	0–4 ft.	.45	.40	.40	.50	.48
2,000 ft. conc.	0–4 ft.	.47	.42	.42	.51½	.50
6,000 ft. vitr. clay	4–6 ft.	.50	.42	.48	.62	.60
6,000 ft. conc.	4–6 ft.	.52	.45	.50	.63½	.61
8,000 ft. vitr. clay	6–8 ft.	.60	.45	.60	.74	.70
8,000 ft. conc.	6–8 ft.	.62	.48	.62	.75½	.71
4 in. pipe						
12,000 ft. vitr. clay	0–4 ft.	.28	.35	.37	.35	.41
12,000 ft. conc.	0–4 ft.	No	.38	No	.39	.45
400-6x8, Y's in place		.70	1.00	1.20	.60	1.55
10-6x10 Y's in place		1.00	1.30	1.60	.85	1.95
200-¼-6 in. bends		.60	.60	.56	.50	.60
100-½-6 in.		.60	.60	.57	.50	.60
20-6x8, T's in place		75	1.00	1.20	.60	1.25
Flush Tanks Complete. Depth						
1 tank	4– 6 ft.	95.00	85.00	.....	90.00	.....
2 tanks	6– 8 ft.	110.00	95.00	118.00	105.00	105.00
2 tanks	8–10 ft.	125.00	100.00	130.00	129.00	110.00
20 cu.yd. conc.		15.00	18.00	16.00	20.00	16.00
200 lin.ft. ¾ in. gal. steel pipes for flush tank connection, including connection to mains		.25	.20	.25	.20	.25
Totals (vitr. clay pipe)		$46,855	$47,699	$49,331	$51,507	$61,614
Totals (conc. pipe)		43,413	48,160	55,452	51,093	61,824

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Sewers—Syracuse, N. Y.

Board of Contract & Supply opened bids Oct. 8, sanitary sewers in Seneca Turnpike, Valley Drive, etc. (West Side of Onondaga Valley Annexation). Prices are higher than usual due to fact that contractor working on sewers in east side of valley encountered gravel and sand, which at the greatest depth of the trenches cause various difficulties and require very good sheeting. Lowest three and highest bidders are: (A) Bird & Street Bros. Construction Co., 815 Free St., (awarded contract); (B) Pepper Bros.; (C) John Raccuia; (D) Mondo Construction Co. N. F. Pitts, Jr., State Tower Bldg., engineer.

	A	B	C	D
3,150 lin.ft. 24 in. vitr. pipe	$9.34	$9.00	$12.00	$14.00
3,150 lin.ft. 24 in. conc. pipe	....	9.00	12.00	....
1,282 lin.ft. 21 in. vitr. pipe	8.00	9.00	13.00	13.50
1,392 lin.ft. 21 in. conc. pipe	....	9.00	13.00	....
1,460 lin.ft. 15 in. vitr. pipe	8.69	6.00	11.00	9.50
1,590 lin.ft. conc. pipe	....	6.00	11.00	....
4,123 lin.ft. 12 in. vitr. pipe	7.50	6.00	13.00	7.50
4,425 lin.ft. 12 in. conc. pipe	....	6.00	13.00	....
598 lin.ft. 10 in. vitr. pipe	2.50	3.00	10.00	4.00
650 lin.ft. 10 in. conc. pipe	....	3.00	10.00	....
29,970 lin.ft. 8 in. vitr. pipe	2.00	2.70	2.30	4.25
32,530 lin.ft. 8 in. conc. pipe	....	2.70	2.30	....
21,400 lin.ft. 6 in. vitr. pipe	1.00	1.10	1.25	1.75
21,400 lin.ft. 6 in. conc. pipe	....	1.10	1.25	....
60 lin.ft. 24 in. c. i. pipe	50.00	30.00	20.00	15.00
54 lin.ft. 21 in. vitr. pipe Y's	8.00	20.00	26.00	20.00
65 lin.ft. 15 in.	5.00	13.00	26.00	15.00
151 lin.ft. 12 in.	3.50	12.00	26.00	12.00
26 lin.ft. 10 in.	3.00	7.00	20.00	10.00
1,280 lin.ft. 8 in.	1.50	5.00	4.60	7.00
1,400 lin.ft. 6 in. slants for conc. pipe	....	....	1.00	....
85 line manholes 3x4 ft.	90.00	95.00	110.00	200.00
27 line manholes 4x4 ft.	100.00	110.00	150.00	250.00
37 junction manholes 4x4 ft.	130.00	120.00	150.00	400.00
17 junction drop manholes 4x4 ft.	250.00	150.00	175.00	450.00
500 lin.ft. timber and plank platform, 22 in.	1.00	1.00	.50	2.50
500 lin.ft. timber and plank platform, 24 in.	1.00	1.00	.50	3.00
2 connections with existing manhole	50.00	20.00	25.00	50.00
1,000 lb. reinf. steel	.10	.08	.11	.10
100 cu.yd. conc. 1-3-6	12.00	25.00	10.00	18.00
100 cu.yd. extra excav.	2.00	5.00	3.00	2.00
7,000 sq.ft. sidewalk	.025	.20	.20	.30
500 sq.yd. pavement	4.00	4.00	3.00	5.00
135,000 sq.ft. lumber left in trench	50.00	50.00	50.00	50.00
1,000 cu.yd. rock excav.	5.00	5.00	5.00	5.00
Totals (vitr. pipe)	$209,915	$229,063	$278,949	$354,901
Totals (conc. pipe)	.....	$230,776	$280,089	.....

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Paving—Portland, Ore.

City opened bids Sept. 17 paving Lloyd Boulevard, 1700 ft. long, 30 ft. wide. Bidders are: (A) Kern & Kibbie, Portland, (awarded contract); (B) Warren Construction Co.; (C) United Construction Co. O. Laurgaard, city engineer.

	A	B	C
2,500 cu.yd. earth excav.	$0.50	$0.50	$0.60
20 cu.yd. excav. old pavement	2.00	1.00	1.00
325 cu.yd. trench excav.	1.00	1.00	.75
800 cu.yd. embankment, common	.10	.20	.20
830 sq.ft. conc. sidewalk	.16	.17	.18
3,400 lin.ft. conc. curb	.50	.55	.50
420 lin.ft. header 4x12 in., wood	.20	.25	.25
7 inlets	18.00	20.00	17.50
7 inlets double size	36.00	40.00	26.00
1,700 lin.ft. asphaltic conc. gutter	.20	.25	.20
1,100 sq.yd. Warrenite pavement	....	1.25	....
1,100 sq.yd. asphaltic conc. top	1.00	....	1.05
1,100 sq.yd. asphaltic conc. base	.80	.85	1.10
410 sq.yd. skin patch	1.00	.80	.75
Totals	$25,105	$28,844	$29,068

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Refinery, New Orleans, La., Shell Union Co., New York, $30,000,000.

Pipe plant, Ambridge, Pa., A. M. Byers Co., Pittsburgh, surveys, $20,000,000.

Medical center, Pittsburgh, Pa., Presbyterian Hospital Assn., $6,000,000.

Schools, Toledo, O., voted $5,000,000.

Natural gas pipe line, Texas and Mexico, Moody-Seagraves Co., Galveston, Tex., surveys, $3,500,000.

Rayon plant, Charlotte, N. C., Rayon Co. of America, Wilmington, Del., $3,000,000.

Garage and industrial, South Boston (sta. Boston), Mass., Andrew Sq. Terminal Co., Boston, $3,000,000.

University, Toledo, O., voted $2,850,000.

Excavation, Brownsville, Tex., election Dec. 22, $2,000,000.

Store, Portland, Ore., Sears Roebuck & Co., Chicago, Ill., $2,000,000.

Apartment, New York, N. Y., Bregman Bros., $1,500,000.

Plant, Mobile, Ala., Southeastern Production Co., subsidiary Alabama Power Co., Birmingham, $1,500,000.

Office and store, Portland, Ore., Clausen & Clausen, archts., soon takes bids for Pacific States Investment Co., $1,250,000.

Apartment hotel, Oak Park, Ill., J. E. Decker, $1,000,000.

School, Jersey City, N. J., Bd. Educ., revised plans, $1,000,000.

Docks and piers, New York, N. Y., White Star Line, M. Ham, in charge, $1,000,000.

Bids Asked

Hydro-electric plant, Great Falls, Mont., Electric Bond & Share Co., engrs., New York, taking bids, for Montana Power Co. (subsidiary American Power & Light Co., New York), $4,000,000.

Office and theatre, Evansville, Ind., Syndicate forming, c/o A. Phelps, takes bids about Dec. 15, $1,500,000.

Apartment, Chicago, Ill., Leichenko & Esser, archts., takes bids about Dec. 5, for Syndicate, $1,500,000.

High school, University (br. St. Louis), Mo., Dec. 10, by Bd. Educ., total est. $1,000,000.

Bids Received

High school, Brighton (sta. Boston), Mass., City of Boston, Schoolhouse Dept., from Kugo Constr. Co., Boston, $1,197,300.

Public Bond Elections, coming and decided, are listed on Construction News page 290.

Hospital, Essondale, B. C., Deputy Minister Provincial Govt., Victoria, from A. C. McDougall & Sons Ltd., Vancouver, $1,415,000.

Contracts Awarded

Factory, Baltimore, Md., Western Electric Co., New York (subsidiary of American Telephone & Telegraph Co., New York), to H. K. Ferguson Co., Cleveland, O., est. $15,000,000.

Bridge, New York and New Jersey, Port of New York Authority, New York, steel work, to American Bridge Co., New York, $5,041,770.

Power plant, Pittsburgh, Pa., Duquesne Light Co., to H. M. Byllesby Eng. & Mgmt. Co., Chicago, Ill., est. $3,000,000.

Hotel, office and church, New York, N. Y., Salvation Army, to Amsterdam Building Co., est. $2,000,000.

Pig iron and cement plant, Pittsburgh, Pa., Davison Coke & Iron Co., to Rust Eng. Co., est. $1,500,000.

Apartment, New York, N. Y., Montoya Realty Co., separate contracts, $1,250,000.

Hospital, Phila., Pa., Corporation, c/o M. J. Meyers, archt., to Mideast Constr. Co., Brooklyn, N. Y., est. $1,000,000.

Hotel, Hot Springs, Ark., New York Hotel Co., c/o T. K. Martin, separate contracts under supervision of G. R. Mann, archt., and Wanger & King, Little Rock, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Newark—North Jersey Dist. Water Supply Comn., will not open bids Dec. 6, 72 in. steel pipe line, for Wanaque Aqueduct. Bids later in December. Fuller & McClintock, 170 Bway., New York, engrs. Noted Nov. 15.

Tex., Port Arthur—See "Unclassified."

Tex., Weimar—People's Light & Power Co., 27 William St., New York, R. L. Anderson, local representative, Weimar, purchased plant and plans improving same, incl. additional mains, pumping equipment.

Ont., Hamilton—City, 4-5 mi. 6 in. and up c.i. mains, house services, shutoffs, gate valves, valve chambers and hydrants in Mountain Dist. $182,370. W. L. McFaul, City Hall, engr.

Bids Asked

Mass., Cambridge (br. Boston) — See "Contracts Awarded."

N. Y., New York—Dec. 4, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arnow, Astor, Edson, Grace, Hollywood and Tenbroeck Aves., Cannon, Carroll and Parisfal Pls.

N. J., Madison—Dec. 10, by Water & Light Com., Boro Hall, rein.-con. found., 30 x 100 ft. steel standpipe. Tribus & Massa, 15 Park Row, New York, consult. engrs.; adv. E. N.-R. Nov. 29.

O., Cincinnati—Dec. 4, by Comrs. Hamilton Co., Water Supply Line 102, Dists. 2, 4 and 5, 15,708 ft. 6 in. c.i. pipe. $30,582. L. C. Boyatt, Court House, engr.

Ark., Hope—See "Streets and Roads."

Ark., Lonoke—Dec. 4, by Comrs. Waterworks Impvt. Dist. 1, c/o W. P. Fletcher, Jr., secy., 100,000 gal. concrete reservoir, 3,100 ft. 2 in. wrought iron, 42,710 ft. 4- to 8-in. c.i. pipe, 55 gate valves, 85 hydrants, pumping station, 10 in. well, 200 ft. deep, 75,000 gal. tank on 100 ft. tower. W. Terry Field, 338 Gazette Bldg., Little Rock, engr.

Contracts Awarded

Mass., Cambridge (br. Boston) — City Water Bd., J. J. Scully, chn., foundation for 1 story, brick pumping station, separate contracts. $100,000. Owner takes bids later superstructure. Former contract rescinded. Noted Nov. 15.

Mich., Detroit—Bd. Water Comrs., 6,487 ft. 12 ft. concrete tunnel, Sect. 5 Springwells Water Tunnel as part of supply tunnel across city to Springwells Plant, to J. A. Mercier Co., Fort St. W., $572,479. Noted Nov. 22.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., Detroit—Bd. Water Comrs., Water Bd. Bldg., three 60 m.g.p.d. pumping units with 50 ft. head; five 30 m.g.p.d. units, 3 with 60 ft. head, and 2 with 50 ft. head for low lift plant Springwells Pumping Station, to Worthington Pump & Mchy. Co., 1219 Book Bldg., $133,857. Noted Sept. 27.

Ill., Avon — Distribution system, to Grabbe Constr. Co., Alton; cast iron pipe, specials, to Central Fdry. Co., 420 Lexington Ave., New York, hydrants, valves, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa.

Ill., Chicago—Bd. Local Impvts., City Hall, water service pipes in West 129th Pl., North Lincoln, East 97th and Wallace Sts., South Claremont, South Oakley, Emerald, South Union and Lowe Aves., to G. Hardin, 3130 Indiana Ave.; West 71st, 72nd and 73rd Places, West 73rd and 74th Sts., to Reliance Plumbing & Heating Co., 2430 West Van Buren St.; East 90th Pl., East 90th, 91st, Melrose, Henderson, Roscoe Sts., Merrill, Clyde, Chapel, Calumet, Forest, and Prairie Aves., to Washington Plumbing & Heating Co., 461 North Halsted St.

Wyo., Cheyenne—Dpt. Water, extending waterworks, incl. North Crow Dam, earth and rock fill, to A. H. Read Co., Cheyenne, $192,455. Noted Oct. 25.

Tex., Dallas — City Comn., North Dallas Water Storage Reservoir, to Frank Parrett & Co., Dallas, $256,342. Noted Aug. 30.

Sewers

Proposed Work

N. J., East Paterson—Bd. Boro Council, Boro Hall, sewerage system for draining flood water from brook in southern section boro. $163,000. A. Noack, 106 Somerset St., Garfield, boro engr.

N. J., Oradell—Bd. Boro Council, Boro Hall, sewerage system, 2nd Hill Dist., improvements and additions to disposal plant. $100,000. J. Harding, Jr., 170 Bway., New York, engr. Noted Nov. 15.

N. J., Roselle Park (br. Union) — Boro Com., Boro Hall, preliminary plans storm sewers in Colfax Ave., Chestnut, Hawthorne and Elm Sts. $25,000. J. W. Higgins, boro engr.

Mich., Dearborn—Cities of Dearborn and Detroit, concrete sewage disposal plant, incl. Imhoff tanks, sludge beds, 2 story, 40 x 80 ft., brick pumping station, connecting tunnels, at River Rouge south of Michigan Ave. $185,000. P. A. Fellows, City Hall, Detroit, engr.

Mich., Detroit—Dpt. P. Wks., City Hall, preliminary plans rein.-con. backwater gates to control flood discharge in Fox Creek Drain. $75,000. P. A. Fellows, City Hall, city engr.

Ill., Centralia—Preliminary surveys complete sewage disposal plant, auxiliary piping. Pearce, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Mo., Springfield—Soon takes bids storm sewer in Boonville Ave. to Main Ave. $75,000. Russell & Axon, 408 McDaniel Bldg., engrs.

See proposal advertising on page 108

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

This illustration shown here is a scene from an installation where Leadite was used with c. i. bell and spigot pipe.

These lines are in one of the fastest growing cities in the South. The speed of Leadite jointing makes it possible to lay pipe fast enough to keep up with the new building and real estate expansion.

In addition, Leadite joints are permanent. For over 30 years Leadite has been tested and used under all pipe laying conditions and has proven completely satisfactory.

The saving of labor time and advantages of using Leadite produce a saving of over 75% of the cost of making the joints.

Benefit by the experience of thousands of engineers, superintendents and contractors who have used Leadite.

Specify and use **LEADITE** It saves at least **75%**

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years

THE LEADITE COMPANY
Land Title Building - - Philadelphia, Pa.

NO CAULKING

Sewers (Continued)

Tex., Port Arthur—See "Unclassified.

Tex., Rochester — Surveys sanitary sewers. $25,000.

Colo., Colorado Springs—City Council, S. E. Nichols, clk., expending $60,000, sewerage system in western section. F. O. Ray, city engr.

Bids Asked

N. Y., Brooklyn—Dec. 5, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 55th, 43rd, 54th Sts.

N. Y., New York—Dec. 5, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Spencer Dr., County Club Rd., Hobart, Fenton and Kearney Aves.; Throggs Neck and Eastern Blvd., Robertson, Kennelworth, Randolph, Connell Pls.

Tenn., Knoxville — Dec. 3, by Director Pub. Serv., Third Creek and Sutherland Avenue Trunk Line Sewers, 17,500 lin.ft. 12- to 30-in. pipe; Island Home Sanitary Sewer Trunk Line and Laterals, 36,600 lin.ft. 6- to 21-in. pipe; Lonsdale and Sutherland Avenue Laterals, 99,000 lin.ft. 6- to 18-in. pipe. W. W. Maynatt, city engr.

Ky., Greenup—Dec. 4, by City, sanitary sewerage system. J. P. Blundon, Law Bldg., Keyser, W. Va., engr.

Minn., St. Paul — Dec. 4, by K. L. Fieseler, city purch. agt., Contr. A, Eastern Branch, Kittsondale Sewer in Midway Dist. J. W. Kelsey, city engr.

Ark., Hope—See "Streets and Roads."

Ark., Lonoke—Dec. 4, by Comrs. Sewer Impvt. Dist. 1, W. P. Fletcher, Jr., secy., 62,034 ft. 6- to 15-in. sanitary sewers, 90 manholes, 9 flushtanks, disposal tank, pump, 1,650 ft. 2 in. water line to disposal tank. W. T. Field, 338 Gazette Bldg., Little Rock, engr.

Okla., Gage—Dec. 10, by City, O. Massey, mayor, 8- to 12-in. clay tile pipe sewers. $26,000 bonds voted. Devlin Eng. Co., 713 1st Medical & Professional Bldg., Amarillo, Tex., engrs.

Contracts Awarded

R. I., Providence — Sewers in Morrison St., to W. Gammino, Inc., 250 Hartford Ave. Est. $25,000.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, removing sludge from sewers in 60th St., to P. Tomasetti Contg. Corp., 1074 60th St., $44,625; constructing sewer in 83rd St., to F. Vaccario, 1024 66th St., $4,139. Noted Nov. 22.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Dunkirk Ave., to J. Gallo, 169-10 State St., Flushing, $209,465. Noted Oct. 25.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Fieldston Rd., to Gallat Constr. Co., 1949 Tomilson Ave., $4,835; Tenbroeck Ave., to Trebel Constr. Co., 3557 Holland Ave., $3,158; Murdock Ave., to C. Turecamo Contg. Co., 2911 Coddington Ave., $19,025; Van Courtland Park South, to A. Coserto, 2442 Barnes Ave., $2,470; Laconia Ave., to F. Gabrielle, 2750 Creston Ave., $4,770. Grand total $34,258. Noted Nov. 1.

New Jersey—Towns of Belleville, Bloomfield and Montclair, cities of East Orange, Newark, Crange and Glen Ridge Boro, at City Hall, Newark, supplementary union outlet sewer, to J. R. Fresco, 12 Warfield St., Upper Montclair, $238,389. Noted Nov. 15.

Md., Baltimore — Bd. Awards, sanitary sewers, storm drains in Dist. H-1, in Storm Water Contr. 117, to Ryan Constr. Co., Pinewood St. near Sifton Ave., $124,992; sanitary sewers in Dist. P-4 and H-9, Sanitary Contr. 255, to J. Matricciani, 222 South Exeter St., $10,590. Noted Nov. 1 and 8.

O., Akron—F. E. Swineford, dir. P. Serv., 7,600 ft. 12- to 78-in. rein.-con., vitr. clay main trunk and sanitary sewer in Weston Rd., to B. F. Perry, 788 Noble Ave., $239,-080. Est. $302,453. Noted Nov. 1.

Mich., Grosse Pointe Park (mail Grosse Pointe)—For 1.7 mi. covered concrete box drain enclosing Fox Creek through village, to Callahan & Gross, 2631 Woodward Ave., Detroit, $497,000. Noted Aug. 2.

Ill., Chicago—Bd. Local Impvts., City Hall, drains in West 92nd Pl., East 87th, 93rd, Dakin and Bryon Sts., Drexel, Edbrook, South Union, North Normandy and Marshfield Aves., to A. Santucci, 619 South Ashland Blvd.; Genoa Ave., West 97th Pl., West 97th, 98th, South Green, South Peoria, South Sangamon, South Morgan, South Carpenter and South Aberdeen Sts., to M. Murphy, 5753 South Peoria, St.; East 89th and 90th Sts., Chappel, Clyde, Merrill, Paxton, Luella, Crandon, Oglesby, Yates and Phillips Aves., to N. Ranieri, 5036 Montana St.

Ill., Chicago—See "Streets and Roads."

Calif., Los Angeles—Bd. P. Wks., sewers in Gardner St., to J. Artukovich, Wilcox Bldg., $34,399. Noted Nov. 1.

Calif., Los Angeles — Los Angeles Co., sewers Graham Unit 3, C. I. 736, to Zarubica & Evans, 1207 Hibernian Bldg., $79,939.

Ont., Toronto—City Council, 8- to 15-in. vitr. tile sewers in Lytton Blvd., Petman and Strathallan Aves., to W. E. Taylor, 22 Falcon St., $13,875; Teddington Park Blvd. and St. Clements Ave., to Natl. Contg. Co., 9 Garnock Ave., $22,000.

Waste Disposal

Proposed Work

Tenn., Chattanooga — Surveys two 60 ton incinerators. $125,000. R. H. Crox, City Hall, comr.

Bridges

Proposed Work

Mass., Boston—Dpt. P. Wks. soon takes bids replacing old bridge with new bridge, Congress St. $800,000 loan order voted. Noted Sept. 13.

N. Y., Southampton—Southampton Bay & Beach Co., 787 5th Ave.; New York, bridge over Shinnecock Bay, for Town. $150,000 bonds voted.

N. Y., Watertown—City, c/o City Clerk, City Hall, bids late in December, bridge over Black River, Mill St. $90,000. Concrete & Steel Eng. Co., 21 Park Row, New York, engr. Noted Nov. 1.

N. J., South Branch — Bd. Freeholders Somerset Co., Court House, Somerville, steel, concrete span bridge over South Branch River. $45,000. J. Smith, Court House, co. engr.

Ill., Chicago—Bd. Local Impvts., City Hall, revised plans substructure bridge South Damen Ave. (Robey St.). Former bids rejected. M. J. Faherty, pres.

Kan., Sedan — Chautauqua Co. preliminary plans 130 x 20 ft. marsh arch span, two 30 ft. and one 100 ft. deck truss spans, 20 ft. over Cedar Creek, on Federal Aid Project 356. C. E. Fesler, Court House, engr.

Bids Asked

Mass., Reading—Town taking new bids timber bridge over Boston & Maine R.R., on Mineral St. $50,000. Former bids rejected. Morse & Dinkinson, 11 Beacon St., Boston, engrs. and archts.

N. Y., Port Jervis—Dec. 10, by Common Council, renewing bridge carrying East Main St. over Neversink River. A. M. Knowles, 71 West 23rd St., New York, engr.; adv. E. N.-R. Nov. 29.

Va., Covington — Dec. 6, by State Hy. Comn., Richmond, two 125 ft., one 130 ft. rein.-con. arch span bridge over Jackson River, Allegheny Co.

Louisiana—Dec. 18, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing Lake La Fourche Bridge on Oak Ridge-Rayville Hy., State Project R-93-B, Morehouse and Richland Parishes. J. M. Fourmy, state engr.

Ohio—Dec. 7 (extended date), by H. J. Kirk, dir. Hys., Columbus, seven 95 ft. span spandral filled concrete arch bridge, incl. brick paving approaches, 36 ft. roadway, two 5 ft. sidewalks over Maumee River, on Perry St., in Napoleon, Henry Co. $400,403. Noted Nov. 22.

Michigan—Dec. 5, by H. C. Fleming, resident engr., Grand Rapids, Federal Aid Bridge 2 of 61-12-7, C 1 and 2, two 33 ft. span and four 40 ft. span steel deck girder, Muskegon Co., for State Hy. Dpt., Lansing.

Bids Received

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., substructure South Harlem Ave., Bridge, from Chicago Foundation Co., 38 South Dearborn St., $268,860. Noted Nov. 8.

Contracts Awarded

New York and New Jersey—Port of New York Authority, 75 West St., New York, steel work for Kill von Kull Bridge between Bayonne, N. J., and Port Richmond, N. Y., to American Bridge Co., 30 Church St., New York, $5,041,770. Noted Nov. 22.

N. Y., Olive—Bd. Supervs. Ulster Co., Court House, Kingston, single span rein.-con. arch bridge, to Huie Contg. Co., Poukhkeepsie. Noted Nov. 1.

New Jersey—State Hy. Comn., Trenton, bridge across Scotland Run, Malaga Lake, to W. L. Sowell, Inc., Mullica Hill, $24,733. Noted Nov. 1.

N. J., Hawthorne — Bd. Freeholders Passaic Co., Court House, Paterson, steel, rein.-con. bridge, Warburton Ave., to F. W. Schwiers, Jr., Co., 90 West St., New York, $25,220. Noted Nov. 22.

N. J., Maplewood (br. South Orange)—Bd. Freeholders, Essex Co., Court House, rein.-con. bridge over Dunnell Rd., to A. K. More, Inc., 228 Washington Ave., Belleville. Est. $25,000. Noted Oct. 18.

N. J., Plainfield—Bd. Freeholders Union Co., Court House, steel beam, concrete bridge over Green Brook, to A. L. Trimpi, 279 Main St., Chatham, $42,240. Noted Oct. 25 under "Unclassified."

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges, Lincoln Co., to Stewart-Jones Co., 408 Peoples Bank Bldg., Rock Hill, S. C., $33,087—Guilford Co., to Kiker & Yount, Reidsville, $60,489—Johnston Co., to J. L. Brinkley, Thomasville, $29,140. Grand total $122,716. Noted Oct. 18.

Ala., Risco (mail Adamsville)—Jefferson Co. Bd. Revenue, Birmingham, 3 span, 400 ft., steel, concrete bridge, to Southern Constr. Co., 2105 3rd Ave. N., Birmingham, $54,355. Est. $60,000. Noted Oct. 11.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, bridge in St. Clair Co., to Moore Bros. Constr. Co., 2000 St. Clair Ave., East St. Louis, $25,840. Noted Sept. 20.

Ill., Belleville—St. Clair Co., three 50 ft., two 40 ft., one 20 ft. span rein.-con. slab bridge on Route 150, Sect. 112, to C. H. Atkinson Paving Co., Watertown, S. D., $48,693.

Kan., Iola—Allen Co. three 80 ft. span arch bridge on Project 73-W, 12-K721-A, to A. L. Cook, Ottawa, $34,472.

Missouri — State Hy. Comn., Jefferson City, to E. E. Hudson, Sikeston, 2 rein.-con. slab span bridges, Butler Co. $2,822—to Lahar Bros., Springfield, 3 rein.-con. slab span bridges over creeks, $4,415; rein.-con. deck girder span bridge over South Fork Little Black River, Ripley Co. $11,910—to Excelsior Springs Constr. Co., Excelsior Springs, rein.-con. slab span bridge over creek, Boone Co. $819—to Maxwell Constr. Co., Columbus, Kan., rein.-con. slab span bridges over side ditch, $1,313; over branch $5,240; over Muddy Fork of Spring River $25,838, all Barton Co.—to Kelly & Underwood, Granby, 3 rein.-con. slab span bridges, $6,109; rein.-con. slab span over Snag Creek, $6,315, Cedar Co.; rein.-con. slab span bridge over Dry Branch, $1,967, rein.-con. deck girder bridges over Honey Creek, $23,530; over Spring River, $22,326, Lawrence Co.—to M. E. Gillioz, Monett, rein.-con. deck girder, rein.-con. slab spans over Big Weaubleau River, Hickory Co. $9,822—to J. H. Miller & Son, Leon, Ia., steel truss span bridge over Tabo Creek, Lafayette Co., $16,153; I-beam span bridge over Kings Branch, Atchinson Co. $11,406—to Chernus Constr. Co., Minneapolis, Minn., steel truss span bridge over North Tabius River, Marion Co. $28,234. Grand total $178,219. Noted Nov. 8.

Mo., Herman—National Toll Bridge Co.; c/o J. G. White & Co., 37 Wall St., New York, 1,800 tons steel work on 2,200 ft. bridge 55 ft., over Missouri River, to Kansas City Structural Steel Co., 21st St. and Metropolitan Ave., Kansas City. Noted Oct. 4.

Washington—Benton Co. (Prosser) and Franklin Co. (Pasco), 5 concrete pier foundation to approaches deck girder span bridge, near Kennewick, Benton Co., to C. Huber, Henry Bldg., Seattle, $25,000. Total est. $100,000.

Dams

Proposed Work

Mich., Allegan — City, rein.-con. dam, 3,500 hp. power plant. $255,000. Ayres, Lewis, Norris & May, Cornwall Bldg., Ann Arbor, engrs.

Que., Linton—Quebec Running Streams Comn., 59 Notre Dame E., Montreal, dam near here. $75,000.

Contracts Awarded

Calif., Los Angeles—Supervs. Los Angeles Co., San Gabriel Flood Control Dam, Proposal 1, to Ross Constr. Co., MacDonald & Kahn, and C. Fisher, 756 South Bway., Los Angeles, combined bid $11,250,-040. Noted Nov. 22.

Railways

Proposed Work

Nebraska and Kansas—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., 13th and Olive Sts., St. Louis, Mo., widening embankment, raising track 18 in. on rock ballast, installing culverts, bridges, at Stella,

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Wooden Structural Materials Creosoted by Republic

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OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Railways (Continued)

Neb. $55,300, culverts, intercepting ditch, raising track at Reserve, Kan., $22,300, work at other points $50,525. Total $129,125.

Saskatchewan and Manitoba — Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., extending line from Lac la Range in Saskatchewan to Cold Lake, Man.

Bids Asked

Ontario—See "Contracts Awarded."

Contracts Awarded

Colorado—Denver & Rio Grande Western R. R. Co., A. O. Ridgeway, ch. engr., Denver, 2,500 ton 110 lb. steel rails, to Colorado Fuel & Iron Co., Pueblo.

Ontario—Toronto Transportation Comn., 35 Yonge St., Toronto, D. W. Harvey, ch. engr., laying concrete found. for 12,000 lin.ft. double street railway tracks at Long Branch, 5,400 lin.ft., to Ontario Amiesite Ltd., foot Spadina Ave., Toronto, 6,600 lin.ft., to Grant Contr. Co., 47 Wellington St. E., Toronto; laying rails, etc. day labor.

Airports

Proposed Work

AIRPLANE LANDING FIELD—**Bay St. Louis, Miss.**—Development Service Corp., 369 Lexington Ave., New York, bids after Jan. 1, airplane landing field. $50,000.

AIRPLANE HANGAR—**Cleveland, O.**—Universal Air Lines, Inc., c/o P. G. Kemp, pres. and genl. mgr., c/o Kalsch & Hoefler, archts., 4500 Euclid Ave., sketches 1 story, 100 x 120 ft. brick, Airport grounds. $75,000.

Bids Received

AIRPORT—**Akron, O.**—F. E. Swineford, dir. P. Serv., grading Akron Municipal Airport west of Massillon Rd. and between Triplett and Emmitt Rds., from Wilmore Paving Co., Middletown, $419,000. Noted Nov. 8.

Contracts Awarded

AIRPORT—**Akron, O.**—F. E. Swineford, dir. P. Service, grading Akron Municipal Airport west of Massillon Rd. and between Triplett and Emmitt Rds., to A. B. Cable Co., 1421 5th St. S. W., Canton, $408,800. Noted Nov. 29.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Nebraska and Kansas—See "Railways."

Ont., Prescott—Dpt. P. Wks., Parliament Bldgs., Ottawa, K. M. Cameron, ch. engr., bids in spring, Great Lakes Terminal, incl. elevators, $2,500,000; bids middle of December, wharf $800,000, dredging $200,000. Canadian Natl. R.R., New Union Sta., Toronto, T. T. Irving, ch. engr., and Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., will construct car sidings and car storage yards. Noted Nov. 15.

Bids Asked

Ill., White Hall—Dec. 6, by Commissioners Hillview Drainage & Levee Dist., Peoples 1st Natl. Bank Bldg., furnishing, erecting equipment, repairing trash rack, at main pumping station between Hillview and Pearl. Caldwell Eng. Co., Jacksonville, engrs.

Contracts Awarded

Mass., Lynn—Comn. on Ways & Drainage, City Hall, bulkhead, dredging flats, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $267,865. Noted Nov. 8.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, dredging Newtown Creek, to Joseph McSpirit & Son, Inc., 40 Glenwood Ave., Jersey City, N. J., $22,-010; Gowanus Canal, to Taylor & Pearson, Inc., 50 Church St., New York, $13,-000; Wallabout Canal, to William Beard & Co., 59 Pearl St., New York, $6,320. Grand total $41,330. Noted Nov. 8.

Streets and Roads

Bids Asked

N. Y., Brooklyn—Dec. 5, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, granite block paving 3rd Ave.—grading Dahlgreen Pl. and Voorhies Ave.—grading, sheet asphalt on concrete paving Hicks St. and Livonia Ave.

N. Y., Brooklyn—Dec. 7, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, curbing, sidewalks on Johnson St., 4th and Atlantic Aves.

N. Y., Long Island City—Dec 4, by B. M. Patten, pres. Queens Bor., Queens Subway Bldg., grading, curbing, stone black guttering, sidewalks on Charlotte Pl.—grading, curbing, sidewalks on 6th and 58th (Whitlock) Aves., 60th (Walter) and 60th (Fisk Ave.) Sts.—grading, curbing, guttering, sidewalks, sheet asphalt on concrete paving 6th Ave., 88th and 110th Sts.

N. Y., Long Island City—Dec. 4, by W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, sidewalks adjacent to transverse road; widening, paving Washington Ave. in Jacob Riis Park, Queens Boro.

N. Y., New York—Dec. 5, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, guttering Kings College and Granda Pls., Radcliffe, Harrold, Metcalf, Edson and Laconia Aves.

N. Y., St. George—Dec. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam, bituminous concrete on prepared foundation, and on binder foundation, new and old brick, granite block paving certain areas within franchise area Staten Island Midland Ry., on Victory Blvd., Price St., Richmond, Clove and Manor Rds., Lincoln and Midland Aves.

N. Y., St. George—Dec. 7, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete on bituminous binder paving within franchise area Staten Island Midland Ry., on Montgomery Ave.—relaying old granite blocks on concrete paving Montgomery Ave.—granite block paving Bway., Brook St., Richmond and Henderson Aves.

New Jersey—Dec. 17, by State Hy. Comn., Trenton, grading, single line rein.con. paving 31,854 sq.yd. Route 6, Sect. 18, Westville-Woodbury Rd., Gloucester Co.; bituminous concrete paving 19,100 sq.yd. Route 35 (1927) Sect. 4, Monmouth Co. A. L. Grover, ch. clk.; adv. E. N.-R. Nov. 29.

N. J., Newark — Nov. 30, by Bd. City Comrs., City Hall, furnishing and apply asphaltic road oil. J. W. Costello, city engr.

N. J., New Providence — Dec. 4, by Bd. Freeholders Union Co., Court House, Elizabeth, concrete paving 20,207 sq.yd. South St. J. L. Bauer, Elizabeth, co. engr.

Pennsylvania—Dec. 14, by State Hy. Comn., Harrisburg, grading, rein.-con., macadam paving 25 mi. 9 projects in Columbia, Huntingdon, Indiana, Jefferson, Mercer, Montgomery, Potter and Schuylkill Counties; adv. E. N.-R. Nov. 29.

Florida—Dec. 11, by State Roads Dpt., F. A. Hathaway, chn., Tallahassee (**P. means Project**), Florida lime rock paving 16.77 mi. Rd. 14, F.A.P. 55, Alachua Co.—17.75 mi. Rd. 5-A, P. 518, LaFayette Co.—6.23 mi. Rd. 50, P. 624, Hamilton Co.—16.55 mi. and grading 3 mi. Rd. 10, P. 728 and 644-C, Leon and Wakulla Counties—9.81 mi. and 9.32 mi. Rd. 60, P. 854 and P. 855, Walton Co.—resurfacing 6 mi. Rd. 4, P. 858, Duval Co. J. L. Cresap, state hy. engr.

Fla., Okeechobee — Dec. 3, by Comrs. Okeechobee Co., surface treating 11 mi. Rd. 29, Project 780; 6.62 mi. Rd. 29, Project 781.

Ala., Birmingham — Dec. 31, by City Comn., 2 in. asphalt on 5 in. concrete paving 1 block 79th Pl. and 1 block 8th Ave. S., $3,800 and $3,300 respectively—2½ in. asphalt on 6 in. concrete paving 7 blocks 25th St. N., $16,400—grading, 6 in. concrete paving 1 block 14th Alley N., $1,675. A. J. Hawkins, city engr.

Miss., Brookhaven — Dec. 5, by Bd. Supervs. Lincoln Co., c/o Chancery Clerk, clearing, grubbing, grading, bridging, sodding 1.373 mi. Federal Aid Project 204-A. G. A. Draper, c/o State Hy. Dpt., Jackson engr.

Miss., Greenwood — Dec. 4, by Bd. Supervs. Leflore Co., c/o Chancery Clerk, clearing, grubbing, grading, 2.982 mi. Federal Aid Project 205-A, incl. 1.58 mi. Bermuda sod. G. A. Draper, c/o State Hy. Dpt., Jackson, engr.

La., Alexandria—Dec. 3, by Mayor and City Council, City Hall, grading, asphaltic resurfacing 2nd, 4th and 8th Sts. Address City Engineer, City Hall.

Illinois—Dec. 1, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, grading 0.25 mi. Route 6, Sect. J. A. Cook Co.—0.15 mi. Route 99, Sect. 102-S. A., Hancock Co.—0.21 mi. Route 112, Sect. 103-S. A., Madison Co.—0.17 mi. Route 160, Sect. 133-V. A., 20 mi. Route 160, Sect. 134-V. A., 0. 24 mi. Route 160, Sect. 135-V. A., Madison Co. F. T. Sheets, hy. engr.

Ind., Monticello—Dec. 4, by Bd. Comrs. White Co. at office C. Scott, aud., improving 14,920 ft. Merritt-Moorhouse et al. Rd. $26,289.

Ia., Toledo — Dec. 5, at office Auditor Tama Co., furnishing 58,700 cu.yd. surfacing material on 58.7 mi. roads. L. E. Clayton, Toledo, co. engr.

Ark., Hope—Dec. 5, by Heilbron Investment Co. & Eldridge Realty Co., Texarkana, improving subdivision along Louisiana & Arkansas R.R., incl. 24,000 sq. yd. concrete paving, 12,000 ft. 6 in. sewers, 10,000 ft. 2 and 4 in. c.i. water mains. $100,000. P. Booker, 2400 Pecan St., Texarkana, engr. Noted Nov. 22.

Calif., Los Angeles—Dec. 10, by Supervs. Los Angeles Co., 2 in. sheet asphalt paving 4,574 sq.ft. Gerhart St. $33,929. G. W. Jones, Hall of Records Bldg., engr.

Ont., Toronto—See "Contracts Awarded."

Contracts Awarded

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 21,943 ft. hy. in Sandisfield and Tolland, to New Haven Constr. Co., Inc., 70 College St., New Haven, Conn., $105,654—16,830 ft. Winchendon, to Lawton Constr. Co., Providence, R. I., $124,865—gravel and bituminous macadam paving 4,270 ft. Palmer, to Kelliher Corp., Turners Falls, $12,706—bituminous concrete paving 9,253 ft. Falmouth, to S. W. Lawrence, Falmouth, $52,180. Grand total $295,405. Noted Nov. 22.

Mass., East Boston (sta. Boston)—Dpt. P. Wks., Boston, sheet asphalt paving St. Andrews Rd., to A. DeStefano & Son, 288 Summer St., Boston. Est. $25,000.

Connecticut — State Hy. Comn., Hartford, waterbound macadam paving 11,856 lin.ft. Obtuse Rd., Brookfield, to Miller Bros. Constr. Co., 151 Earl St., Hartford, $92,710. Est. $90,000. Noted Nov. 22.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Castel Bros., Johnson Pl., granite block paving Meserole St., $25,144—to C. R. Contg. Co., 1469 Flatbush Ave., Macadam paving West 2nd St., $5,044; grading Avenue Z, $9,414—to M. A. Zappone, 1442 72nd St., West 6th St., $2,485—to B. Turecamo Contg. Co., New Cropsey Lane, grading, sheet asphalt on concrete paving East 39th St., $4,351; Ryder St., $2,957; 64th St., $6,680; 73rd St., $2,057—to D. J. McCoy Asphalt Co., Avenue U and East 57th St., East 40th St., $6,471—to Uvalde Asphalt Paving Co., 1 Bway., New York, Lorimer St., $58,334—to M. J. O'Hara, Neptune Ave. and West 19th St., 65th St., $8,757. Grand total $131,694. Noted Nov. 8.

N. Y., Long Island City — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to L. Collins, Whitestone, grading 45th St., $4,557—to Slattery Contg. Co., Inc., 7202 51st Ave., Hedwig St., $9,305—to J. J. O'Brien, William St., Jamaica, 50th St. $2,268—to W. P. McDonald, 7 Lawrence St., Flushing, sheet asphalt on concrete paving Cherry Ave. $7,696; 110th St., $23,-190; 55th Ave. $10,956; Potter Ave., $34,-080—to Meehan Paving Co., Laurel Hill Blvd., 103rd St., $35,472—to Carrbloc Paving Corp., 50 Court St., Brooklyn, 24th St. $41,726; 11th Ave. $16,385. Grand total $185,635. Noted Oct. 25.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to Gramaglia Bros., 48 East Kingsbridge Rd., grading Hobart Ave. $7,-373; Murdock Ave. $8,135, and Bronx Blvd. $21,834—to M. Cavalluzzo, 709 Carleton Ave., Allerton Ave. $18,172—to Musimeci & Son, 277 East 146th St., Arnow Pl., $4,059. Grand total $59,573. Noted Nov. 1.

New Jersey — Bd. Freeholders Bergen Co., Court House, Hackensack, grading, concrete paving East Clinton Ave., Tenafly, to Burns & Hall, Park Ave., Dumont, $20,-400; storm drain in Dan Kellys Hill, Fairview, to Harper Bros., 162 Beech St., Hackensack, $10,074.

N. J., Kearny (sta. Arlington) — Bd. Town Council, Town Hall, mains, appurtenances, to T. A. Gillespie Co., 7 Dey St., New York, $379,618; two 42 in. mains under Passaic River, to Spiniello Constr. Co., Doremus Ave., Newark, $177,290.

N. J., Mountain Lakes—Bd. Boro Council, Boro Hall, curbing, bituminous penetration paving Intervale and Midvale Rd., to C. Heigold, 16 West Blackwell St., Dover, $18,770.

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Streets and Roads (Continued)

N. J., Newark — Bd. City Comrs., City Hall, sheet asphalt on granite block paving South St., to Standard Bitulithic Co., foot of Brill St., $99,252. Noted Nov. 15.

N. J., Ridgefield—Bd. Boro Council, Boro Hall, grading, paving Lincoln and Monroe Pls., Oakdene and Ray Aves., to R. J. Fox, Gorge Rd., Grantwood, $76,498.

La., Natchitoches—O. F. Himel, secy. and treas., grading, sewers, paving 8th, 9th, Touline, Amulet and Bossier Sts., to Flenniken Constr. Co., Shreveport, $32,589. Noted Nov. 1.

Ind., Hammond—Lake Co., concrete paving H. B. Snyder Rd. 2, to Sunderman Constr. Co., Gary, $110,950.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, paving in Fulton Co., to Hartman-Clark, 930 Peoria Life Bldg., Peoria, $15,070—Randolph Co., to Hamilton Constr. Co., Carbondale, $43,272—Alexander Co., to Rouse Constr. Co., Cape Girardeau, Mo., $100,000—Hancock Co., to Cameron, Joyce & Co., 17 South 8th St., Keokuk, Ia., $147,100—St. Clair Co., to Moore Bros. Constr. Co., 2000 St. Clair Ave., East St. Louis, $50,763—grading, Henry Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $59,159. Grand total $415,364. Noted Aug. 23 and Nov. 20.

Ill., Chicago—Bd. Local Impvts., City Hall, grading, curbing, guttering, sewers, asphalt on 6 in. concrete paving Hilldale Ave., to White Paving Co., 1735 Fullerton Ave., South Springfield Ave., to R. F. Conway Co., 844 Rush St.—grading, curbing, guttering, sewers, 10 in. concrete paving East North Water St., to Central Paving Co., 179 Washington St.—West 120th St., to Chicago Constr. Co., 228 North La Salle St.—grading, curbing, guttering, sewers, 8 in. concrete paving East 88th, 89th, 90th and 91st Sts., Luella, Crandon, Oglesby, Phillips, and Anthony Aves., to Calumet Coal Co., 9022 Commercial Ave. Noted Nov. 1.

Ont., Toronto — Bitulithic on concrete paving Cedarvale Ave., to Asphaltic Concrete Co., 36 Toronto St., $2,764—asphalt on concrete paving Gainsborough Rd., and asphaltic concrete paving Barrie Ave., to Kilmer & Barker, 10 Adelaide St. E., $6,750—concrete paving lane near Danforth Ave., to Grant Contg. Co., 47 Wellington St. E., $2,859—asphaltic concrete paving Ossington Ave., to Goodson Contg. Co., 203 Richmond St. W., $3,417—bitulithic on concrete paving Oakcrest Ave., asphalt on concrete paving Runnymede Rd. and asphaltic concrete paving Abbott Ave., day labor, $12,556. Grand total $28,346. Est. $28,350.

Public Bond Elections

Coming Bond Elections

Dredging Channel between Brazos Santiago Pass and El Jardine Tract—Cameron County, Tex., Dec. 22, $2,000,000.
Roads—Clay County, Miss., $350,000.
Roads—McLennan County, Tex., Dec. 18, $1,525,500.
High and Grade Schools—Osborne, Kan., $160,000.

Bonds Voted

Waterworks—Abilene, Tex., $350,000.
Waterworks—Port Neches, Tex., $70,000. H. C. Thackman, Engr.
Flood Control—Salina, Kan., $250,000.
Sewers—Port Neches, Tex., $55,000. H. C. Thackman, Engr.
Sewers—San Francisco, Calif., City and County, $2,200,000.
Schools—Toledo, O., $5,000,000.
University—Toledo, O., $2,850,000.
High School—Topeka, Kan., $1,000,000.
Court House—Ward County, N. D., $450,000. Toltz, King & Day, Builders Exchange, St. Paul, Minn., Archts.
Paving—Abilene, Tex., $100,000.
Roads—Caldwell County, Tex., Dist. 2 and 8, $380,000.
Roads—San Patricio County, Tex., $200,000.
Parks—California, $6,000,000.

Bonds Defeated

Sewers—Pauls Valley, Okla., $30,000.
Roads—Reagan County, Tex., $200,000.
Civic Center—San Francisco, Calif., City and County, $1,000,000.
Grade Separation—California, $10,000,000.
Parks and Playgrounds — San Francisco, Calif., City and County, $6,050,000.
Tunnel—San Francisco, Calif., City and County, $750,000.

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Buildings—Industrial

Proposed Work

Mass., Fall River—MILL—Leigh Textile Co., Davlo St., plans by E. I. Marvel, Bedford St., reconstructing 2 story, basement, 40 x 200 ft., brick, timber, plain found., Cambridge St.

Mass., Reading—SERVICE and REPAIR GARAGE and SALESROOM — M. E. Brande, 103 Woburn St., 1 story, brick, Main St. $40,000. Private plans.

Mass., Roxbury (sta. Boston)—SERVICE GARAGE—Boston Elevated Ry. Co., 31 St. James Ave., Boston, soon lets contract 1 story, 80 x 150 ft., rein.-con., brick, steel service garage, boiler house, repair shop, filling station, Bartlett and Washington Sts. $75,000-$100,000. Private plans.

Mass., South Boston (sta. Boston) — GARAGE and INDUSTRIAL—Andrew Sq. Terminal Co., Inc., 53 State St., Boston, plans by R. A. Stowell, 184 Boylston St., Boston, 3 story, 200 x 300 ft. garage, 4 story, 75 x 430 ft. industrial buildings, incl. power house, coal handling machinery, railroad sidings, all foregoing rein.-con., brick, steel, plain founds., Dorchester Ave. and Dexter St. $3,000,000. H. S. Cleverdon, 46 Cornhill, Boston, engr. Noted Nov. 25, 1926.

R. I., Providence — FACTORY — Owner, c/o C. H. Lockwood, archt., 171 Westminster St., sketches 2 story, brick additions. $50,000.

Conn., Stamford—LAUNDRY—Stamford Steam Laundry, Summer Pl., plans by Fletcher Thompson, Inc., 542 Fairfield Ave, Bridgeport, 1 and 2 story, 60 x 200 ft., brick, steel, concrete, Summer Pl. To exceed $40,000.

Conn., Middletown—FOUNDRY—Wilcox, Crittenden & Co., Inc., 3 South Main St., soon takes bids foundry; $40,000 or more. Lockwood, Greene & Co., 100 East 42nd St., New York, engrs.

N. Y., Long Island City—GAS and SERVICE STATION—Garford Motor Truck Co., 13th Ave. and William St., bids latter part December, 2 story, 100 x 217 ft., rein.-con., 13th Ave. and William St. $50,000. F. S. Parker, 119 West 57th St., New York, archt. Noted Nov. 15.

N. Y., Long Island City — FACTORY — Jaffe Bros., 1165 48th St., Brooklyn, factory, on 100 x 150 ft. site, Hulst St. and Foster Ave. To exceed $40,000. Engineer and architect not selected.

N. Y., New York—SERVICE GARAGE—M. Allen, 1122 Anderson Ave., plans by W. F. Doyle, 11 John St., New York, 1 story, basement, 50 x 184 ft., brick, concrete, 167th St. and Ogden Ave. $40,000.

N. Y., New York—SERVICE GARAGE—R. Hingers, 3350 Fenton Ave., plans by J. C. Watson, 271 West 125th St., plans 2 story, 85 x 106 ft., brick, concrete, Jerome Ave. and 198th St. $200,000.

N. Y., New York—SERVICE GARAGE—Jonell Realty Co., Inc., J. J. Gilhuly, in charge, c/o J. P. Boyland, archt., 305 East Kingsbridge Rd., brick, concrete, 204th St. and Webster Ave. $40,000.

N. Y., New York—FACTORY—F. Martin, 15 West 38th St., plans by I. Kudroff, 15 West 38th St., converting apartment building into factory and constructing addition 408 East 77th St. $40,000.

N. Y., New York—SERVICE GARAGE—G. Paladino Holding Corp., 286 East 137th St., plans by DeRose & Cavalieri, 370 East 149th St., 1 story, 100 x 295 ft., brick, concrete, Austin Pl. and East 149th St. $75,000.

N. Y., New York—SERVICE GARAGE—N. and C. Seiscente, 305 East Kingsbridge Rd., plans by J. D. Boyland, 305 Kingsbridge Rd., 2 story, 75 x 176 ft., brick, concrete, Webster Ave. and 204th St. $40,000.

N. Y., New York—SERVICE GARAGE—M. Wright, 400 East Fordham Rd., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 2 story, 90 x 100 ft. brick, concrete, Parkside Pl. and Webster Ave. $50,000.

N. Y., New York—SERVICE GARAGE—Schact Holding Corp., 54 West 174th St., plans by Gluck & Duma, 400 East Fordham Rd., 100 x 100 ft., brick, concrete, White Plains Ave. and Britton St. $45,000.

N. J., Clifton—DISTRIBUTING PLANT—Koppers Seaboard Coke Co., 504 Union St., Brooklyn, N. Y., 2 story, brick, Getty Ave. $150,000.

N. J., Radburn (mail Paterson)—FACTORY—Central Supply Co., 255 Pearl St., New York, 1 story, basement, brick, plain found. $40,000.

Pennsylvania—CAR REPAIR SHOP—Buffalo, Rochester & Pittsburgh R.R. Co., E. F. Robinson, ch. engr., Rochester, N. Y., car repair shops, in Bradford, DuBois or Punxsutawney. $500,000.

Pa., Ambridge—PIPE PLANT—A. M. Byers Co., Clark Bldg., Pittsburgh, preliminary surveys brick, steel, corrugated iron pipe plant. $20,000,000. H. A. Brassert & Co., 310 South Michigan Ave., Chicago, Ill., engrs.

Pa., North Wales—MANUFACTURING PLANT—Baily Mfg. Co., 2336 Vine St., Phila., plans by I. W. Levin, 1011 Chestnut St., Phila, 1 story, 50 x 200 ft, concrete block, steel, plain found.

Pa., Wilkinsburg — FACTORY — U. S. Chromium Corp., sketches 1 story, 72 x 100 ft., brick, steel, Wallace Ave. and Pitt St. $50,000. Engineer and architect not selected.

N. C., Charlotte—RAYON PLANT—Rayon Co. of America, Wilmington, Del., D. B. Hilliard, pres., Hotel Charlotte, Charlotte, N. C., rayon plant. $3,000,000. Lockwood Greene, Piedmont Bldg., engrs. Noted Nov. 15.

Ala., Mobile — PLANT — Southeastern Production Co., subsidiary Alabama Power Co., 600 North 18th St., Birmingham (1st unit) 10,000 hp. plant, 135,000 lb. steam per hr., on Hog Bayou, tributary of Chickasaw Bogue, to supply power to International Paper Plant. $1,300,000.

Miss., Hattiesburg — SUB-STATION — Hercules Powder Co., Columbia Rd., Wilmington, Del., sub-station, to Mississippi Power Co., Gulfport.

La., New Orleans — REFINERY — Shell Union Oil Co., 65 Bway., New York, plant expansion and refinery here. Also in Missouri and California. $30,000,000 stock voted. Private plans.

O., Barberton — FACTORY — Seiberling Tire & Rubber Co. soon takes bids 3 story, basement, 80 x 100 ft., brick, steel. $75,000.

O., Cleveland — FACTORY — Kelly-Reamer Co., E. Putnam, vice-pres., 3705 West 73rd St., plans by Kalsch & Hoefler, 4500 Euclid Ave., 1 story, 60 x 200 ft., brick, steel addition. $60,000.

O., Cleveland—FACTORY—Lamson & Session Co., 1971 West 85th St., plans by G. S. Rider Co., Century Bldg., altering and constructing 4 story, brick, steel addition, West 85th and Franklin Sts. $75,000.

O., Elyria—FACTORY—Cleveland Automatic Machine Co., H. W. Ruppel, genl. mgr., 2269 East 65th St., Cleveland, sketches 1 story, 175,000 sq.ft. floor space, brick, steel. $150,000.

Mich., Allegan—POWER PLANT—See "Dams."

Mich., Detroit — TRUCK FACTORY — Federal Motor Truck Co., 5780 Federal Ave., plans by F. J. Winter, 2112 Book Tower Bldg., 2 story, 60 x 400 ft., rein.-con., brick, steel, plain found., Federal Ave. $250,000.

Minn., St. Paul—GARAGE—L. C. Simons, 1381 Raymond Ave., soon takes bids 1 story garage, University and Raymond Aves. $100,000. Buechner & Orth, 500 Shubert Bldg., archts. General Motors Truck Co., 240 West 5th St., lessee.

Minn., St. Paul — GARAGE — Midway Chevrolet Co., R. R. Kriesel, pres. and genl. mgr., 1641 University Ave., soon takes bids 1 story, 120 x 123 ft., 13th St. and University Ave. P. E. Crosier, 916 New York Life Bldg., Minneapolis, archt.

Minn., St. Paul—GARAGE—Ten Minute Auto Washing Corp., W. P. Driscoll, pres., 258 West University Ave., soon takes bids 1 story, 120 x 120 ft. garage, University and Syndicate Aves. $40,000. Toltz, King & Day, Inc., Builders Exch. Bldg., archts.

Mont., Great Falls — FACTORY — Chevrolet Motor Co., Flint, Mich., soon takes bids 1 and 2 story, 120 x 250 ft. factory. $100,000.

Tex., Elena — FIG PLANT — Tyrrell & Garth Investment Co., League City, 1 story, steam, electrically operated fig preserving plant, $60,000, incl. machinery, equipment. Private plans.

Tex., Waco — MILK CONDENSERY — Borden Milk Co., c/o Chamber of Commerce, condensed milk plant. $500,000.

Okla., Oklahoma City — LAUNDRY — Rauch & Reinhardt, 1015 Perrine Bldg., 3 story, 75 x 150 ft., rein.-con., brick, plain found., 4th St. $150,000.

Ore., Portland — MANUFACTURING — Linde Air Products Co., 351 Everett St., 2 manufacturing plants, Goldsmith and Albina Sts. $50,000, equipment $150,000.

Bids Asked

Mass., Brookline (br. Boston)—PLANT—See "Contracts Awarded."

Mass., New Bedford — PLANT — See "Contracts Awarded."

N. Y., Brooklyn—SERVICE GARAGE—Chipkin Bros., 804 Park Ave., taking bids general contract 2 story, 100 x 125 ft., brick, concrete, Park and Throop Aves. $40,000. W. E. Doyle, 11 Johns St., New York, archt.

N. Y., Jackson Heights (sta. Flushing)—SERVICE GARAGE—D. Druss, 3737 War-

Buildings—Industrial (Continued)

ren St., Elmhurst, taking bids on separate contracts, 100 x 180 ft., brick, concrete, 34th Ave. and 70th St. $60,000. H. Dorf, 614 Kosciusko St., Brooklyn, archt. Noted Nov. 15.

N. Y., Long Island City — FACTORY — A. H. Eccles, archt., 76 Hoyt St., Astoria, taking bids on separate contracts 4 story, 74 x 84 ft., brick, Hancock St. and Pierce Ave., for DeNobile Cigar Co., 512 Hamilton St., Astoria. Est. $40,000. Noted Nov. 15.

N. Y., Long Island City—GARAGE—M. Rosenthal, 1779 Pitkin Ave., taking bids 1½ story, 100 x 180 ft., brick, concrete, 38th St. and 47th Ave. $160,000. Kavy & Kavovitt, 350 Stone Ave., Brooklyn, archts. Noted Nov. 15.

N. Y., New York—SERVICE GARAGE—Waring Plains Corp., C. Klapon, pres., 505 East Tremont Ave., taking bids 1 story, 95 x 200 ft. brick, concrete, Buhre Ave. and Appleton St. $40,000. C. S. Clark, 441 East Tremont Ave., archt. Noted Nov. 15.

N. Y., New York—SERVICE GARAGE—F. DeMarco, Inc., 1212 University Ave., taking bids general contract service garage, River Ave. and 157th St. W. Shary, 41 Union Sq., archt.

N. Y., New York—SERVICE GARAGE—Wandsworth, S. Pearce, pres., taking bids service garage, Mott Ave. and 156th St. $600,000. M. Klein, 2804 3rd St., archt. Noted Nov. 15.

N. Y., New York—SERVICE GARAGE—West Farms & Boone Avenue Corp., R. Grutman, pres., 1391 Nelson Ave., taking bids 3 story, basement, brick, concrete, Boone Ave. and 176th St. $75,000. L. Stillman, 1992 Jerome Ave., archt. Noted Nov. 15.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., St. George—SERVICE GARAGE—St. George Gardens, Inc., 26 Court St., Brooklyn, taking bids general contract brick, concrete, Henry and Cleveland Sts. $40,000. S. Gardstein, 44 Court St., Brooklyn, archt. Noted Nov. 8.

Ind., South Bend—SHOP—F. Wolf taking bids brick, steel, Division St. $40,000. C. E. Miller, South Bend, archt.

Mich., Flint—PIPE SHOP and WAREHOUSE—Dec. 3, by G. Bachman, 218 Pengelly Bldg., 105 x 105 ft., concrete, brick, steel, plain found., for Crane Co., 836 South Michgian Ave., Chicago, Ill., and 150 Randolph St., Detroit. $50,000. Noted Oct. 25.

Ill., Forest Park—BOTTLING PLANT—Roberts & Roberts, archts., 105 North Clark St., Chicago, bids about Dec. 3, 2 story, brick, 7301 Harrison St., for Bordens Farm Products Co., 326 West Madison St., Chicago. $200,000.

Minn., St. Paul—FACTORY—Donaldson Co., Inc., F. A. Donaldson, pres., 693 Raymond Ave., taking bids 1 story, 55 x 100 ft. addition. Dorr & Dorr, 1645 Hennepin Ave., Minneapolis, archts.

Mont., Great Falls—HYDRO-ELECTRIC PLANT—Eng. Dpt. of Electric Bond & Share Co., engrs., 2 Rector St., New York, taking bids plant to develop 70,000 hp. increasing power output to 298,000 kw. for Montana Power Co. (subsidiary of American Power & Light Co., 71 Bway., New York). $4,000,000. Work will probably be done by separate contracts.

Contracts Awarded

Mass., Boston—SERVICE and REPAIR GARAGE, BOILER HOUSE—J. Staffieri, 358 Medford St., Charlestown, 1 story, steel, rein.-con., plain found., to F. Santini, 15 Bowdoin St., Arlington. Est. $45,000.

Mass., Brookline (br. Boston)—PRINTING PLANT—Snider & Druker, 18 Tremont St., Boston, altering 1 and 2 story, basement, brick, plain found., 306 Harvard St., separate contracts. $40,000. G. N. Jacobs, 9 Bosworth St., Boston, archt.

Mass., Fall River—MILL—Leigh Textile Co., Davol St., altering 2 story, basement, 40 x 200 ft., brick, plain found., to A. H. Deeming, Bank St. Est. $40,000 or more.

Mass., Leominster—SERVICE and REPAIR GARAGE and SHOWROOM—J. G. Peterson, 23 Hale St., 1 story, brick, steel, plain found., to J. B. Lagoy, 416 Pleasant St. Est. $40,000-$50,000. Noted Oct. 25.

Mass., New Bedford — PLANT — Allen Co., 136 River Rd., altering and constructing 1 story, timber woodworking plant addition, plain found., day labor. Private plans.

Mass., Roxbury (sta. Boston) — SERVICE and REPAIR GARAGE and OFFICE —J. F. Morse & Co., 66 Norfolk St., 2 story, brick, steel girder, plain found., to Archdeacon & Sullivan, 5 East Concord St., Boston. Est. $50,000. Noted Nov. 8.

R. I., Providence — GARAGE, STOREHOUSE, HOIST HOUSE, STONE CUTTER SHED and OFFICE—City, 1 story, concrete, brick, timber, Fields Point Sect., to A. F. Smiley Constr. Co., Oak Hall Bldg., $93,945.

Conn., Hartford—SALES and SERVICE —A. C. Hine Co., 189 Washington St., 1 story, 65 x 200 ft., brick, Washington St., to Lawrence & Co., 43 Farmington Ave. Est. $55,000.

Conn., Stamford — GARAGE — Southern New England Telephone Co., 157 Church St., New Haven, 1 story, 87 x 162 ft., brick, steel, to H. Wales Lines Co., 134 State St., Meriden. Est. $60,000. Noted Oct. 11.

N. Y., Laurel Hills (mail Flushing) — PLANT — Nichols Copper Co., 58 x 278 ft. plant, to Leddy & Moore, 70 West St., New York. Est. $150,000. Noted Nov. 15.

N. Y., Long Island City—CANDY FACTORY—Loft, Inc., Vernon Ave., 3 story, 50 x 95 ft., brick, to Commonwealth Industries, 103 Park Ave., New York. Est. $75,000. Noted Nov. 15.

N. Y., New York—SERVICE GARAGE—M. Horowitz, 703 West 171st St., and S. Glass, 2506 Grand Concourse, 2 story, 100 x 141 ft., brick, concrete, plain found., separate contracts. $40,000. Noted Nov. 15.

N. J., Elizabeth — FACTORY — Amer. Gas Accumulator Co., Newark Ave., general contract 1 story, basement, 60 x 140 ft., brick, steel, plain found., to D. O. Evans, 1443 North Broad St., Hillside. Est. $40,000. Noted Nov. 14.

N. J., North Bergen (Ind. br. West New York)—FACTORY—Owner, c/o New Jersey Engineering Co., 390 Jane St., Jersey City, engrs., general contract 1 story, basement, 85 x 130 ft., brick, steel, plain found., Harmon Pl., to G. Siegler, 26 Journal Sq., Jersey City. Est. $45,000.

Pa., Phila. — MANUFACTURING — National Umbrella Frame Co., Belfield and Penn Aves., 2 story, basement, 60 x 183 ft., brick, steel, plain found., to Truscon Steel Co., 1505 Race St. Est. $60,000.

Pa., Phila.—SHOP—Ajax Metal Co., 46 Richmond St., 2 story, 52 x 56 ft., brick, steel, plain found., 1108-12 Frankford Ave., to M. Ward Easby, 1505 Race St.

Pa., Pittsburgh — PIG IRON and CEMENT PLANT—Davison Coke & Iron Co., Oliver Bldg., headed by C. S. Davison, pres. Gulf Refining Co., several pig iron and cement plant buildings, steel, corrugated iron, brick, concrete, Neville Island, to Rust Eng. Co., Amer. State Bldg. Est. $1,500,000. Private plans.

Pa., Pittsburgh — POWER PLANT — Duquesne Light Co., 6th Ave., power plant, Brunots Island, to H. M. Byllesby Eng. & Mgnt. Co., 231 South La Salle St., Chicago, Ill. Est. $3,000,000. Excavation started.

Md., Baltimore — FACTORY — Western Electric Co., 195 Bway., New York (subsidiary American Telephone & Telegraph Co., 195 Bway., New York), telephone cable factory facing water front, from Baltimore harbor to Colgate Creek, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O. Est. $15,000,000.

Ala., Talladega — TEXTILE MILL — Bemis Bros. Bag Co., 601 South 4th St., St. Louis, Mo., 2 story, 150 x 643 ft. main building, 2 story, 147 x 664 ft. weave shed, 1 story, 83 x 182 ft. picker building, 2 story, 28 x 70 ft. dye house, 1 story, 49 x 49 ft. boiler house, 1 story, 100 x 800 ft. warehouse and waste house, 500,000 gal. concrete reservoir, to Fiske-Carter Constr. Co., Greenville, S. C., $750,000. Noted June 21.

O., Cleveland—FACTORY—Kelly Reamer Co., E. W. Putnam, genl. mgr., and vice-pres., 3705 West 13th St., 1 story, 60 x 200 ft., brick, steel, to Julius Lindner Constr. Co., 15615 West Delaware Ave. Est. $60,000.

Ind., Evansville — FACTORY — Graham Bros., Stringtown Rd., rein.-con., steel, 130,000 sq.ft. floor space, to C. Kanzler & Son, Furniture Bldg. Est. $250,000. Noted Nov. 15.

Mich., St. Joseph—ELECTRIC WASHER FACTORY—Upton Machine Co., Edgewater St., 1 story, 100 x 250 ft., rein.-con., brick, steel, plain found., Edgewater St., to J. Pearson, Lake and 9th Sts., Benton Harbor. Est. $75,000.

Tex., Houston—REFINERY PLANT—See "Unclassified."

Ont., Toronto—AUTO SPRING PLANT —Cozens Spring Service, 4 Wood St., general contract 2 story, basement, 50 x 102 ft., rein.-con., brick, steel, plain found., Queen St. E., to M. Manley, Northern Ontario Bldg.; plumbing and heating, to Bennett & Wright, 72 Queen St. E. Est. $75,000.

Buildings—Commercial

Proposed Work

Mass., Boston—STORE and OFFICE—G. L. Belois & A. N. Maddison, Pemberton Sq., sketches by Shepard & Stearns, 65 Franklin St., 7 story, basement, brick, plain found., 44-45 Tremont St. $200,000 or more.

Mass., Gloucester—CLUB—Eastern Point Yacht Club, East Gloucester, sketches by F. C. Watson, Gloucester and Phillips Bldg., Boston, yacht club. $150,000 or more.

Mass., Malden (br. Boston) — HOME — City, Overseers of the Poor, revised plans by C. F. Springall, 50 Park St., 2 story, basement, 100 x 115 ft., brick, steel, plain found., Forest and Sylvan Sts. $150,000-$200,000. Noted Nov. 8.

Conn., New Haven—HOTEL—Rapp & Rapp, archts., Paramount Bldg., New York, bids in January hotel, for Wilson H. Lee Co., 246 Meadow St. Noted Nov. 15.

La., New Orleans—COURT HOUSE and PRISON — City Council, City Hall, bids latter part December, criminal courts and parish prison building. $1,250,000. Diboll & Owen, Ltd., Interstate Bldg., archts. Noted May 17.

N. Y., Buffalo—OFFICE and MEDICAL CENTER—J. Baird, 39 Niagara St., soon lets general contract 5 story, basement, 85 x 190 ft. office and medical center, Utica and Linwood Aves. $450,000. Bacon & Lurkey, 991 Main St., archts. Foundation for above awarded to Metz Bros., 1295 Fillmore Ave., $8,500; steel work, to C. F. Ernst & Sons, 75 Lathrop Ave., $18,662. Noted June 21.

N. Y., Jackson Heights (sta. Flushing) — STORE, APARTMENT and HOTEL — B. Reich, 299 Madison Ave., New York, sketches 80 x 100 ft. store, hotel, apartment, 57-63 25th St. To exceed $150,000. Engineer and architect not selected.

N. Y., New York—APARTMENTS—Ben Gold Homes, Inc., 1719 St. Peters Ave., plans by S. J. Kessler, 332 East 149th St., two 6 story, 91 x 99 ft., brick, timber, Haviland and Olmstead Aves. $300,000.

N. Y., New York — APARTMENT — B. Berkowitz, 3150 Rochembeau Ave., plans by G. Meisner, 4197 Park Ave., 6 story, 75 x 102 ft., brick, timber, Park View and Morris Park Aves. $200,000.

N. Y., New York—APARTMENT—Bregman Bros., 1068 East Tremont Ave., plans by H. Ginsberg, 222 East 42nd St., 6 story, 276 x 348 ft., brick, timber, Jerome Ave. and 165th St. $1,500,000.

N. Y., New York—APARTMENT—Cohn Brothers Realty Corp., 221 West 82nd St., plans by J. L. Cransman, 341 East 149th St., 6 story, 90 x 100 ft., brick, timber, Spofford Ave. and Tiffany St. $185,000.

N. Y., New York—APARTMENT—Corporation, c/o H. Davis, 728 Trinity Ave., plans by W. M. Husson, 1068 East Tremont Ave., 5 story, 91 x 100 ft., brick, timber, Commonwealth and Gleason Aves. $150,000.

N. Y., New York—APARTMENT—Corporation, c/o A. Fell, 400 East Fordham Rd., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 70 x 101 ft., brick, timber, Frisby Ave. and Bowland St. $150,000.

N. Y., New York—APARTMENT—Corporation, c/o H. Kock, 332 East 149th St., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, brick, timber. $200,000.

N. Y., New York—APARTMENT—Corporation, c/o J. Meyer, 308 Rivington St., plans by C. Kreymborg & Son, 2534 Marion Ave., 6 story, brick, steel, 6 Ward Ave. $300,000.

N. Y., New York—APARTMENT—Corporation, c/o C. Richardson, 41 East 42nd St., plans by Becker & Levy, 349 East 149th St., 4 story, 89 x 100 ft., brick, timber, Lafayette and Rosedale Aves. $150,000.

N. Y., New York—APARTMENT—Corporation, c/o D. Schoen, 515 Courtland Ave., plans by C. Kreymborg & Son, 2534 Marion Ave., 5 story, 87 x 100 ft., brick, timber, Paulding and Poplar Aves. $160,000.

N. Y., New York—APARTMENTS—Corporation, c/o S. Rubin, 391 East 149th St., plans by L. Pisciotta, 1912 Arthur Ave., 6 story, 108 x 117 ft., brick, timber, Tremont and Daly Aves. $235,000.

N. Y., New York—APARTMENT—Four Hundred Fifty-Three West 34th St. Corp., M. Shroeder, pres., 420 Lexington Ave., plans by W. L. Rouse, 512 5th Ave., 16 story, brick, steel, 455 West 34th St. $400,000.

N. Y., New York—APARTMENT—Jaymars Realty Corp., A. Tomback, pres., 209

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Buildings—Commercial (Continued)

West 145th St., plans by Lang & Rosenberg, 1440 Bway., 6 story, brick, timber, 208 West 151st St. $225,000.

N. Y., New York—APARTMENT—One Hundred Fifty-Five East 52nd Street Corp., S. Polski, pres., 343 Lexington Ave., plans by J. M. Felson, 250 West 57th St., 9 story, brick, steel, 155 East 52nd St. $500,000.

N. Y., New York—APARTMENT—Piro Realty Corp., G. Pizzaro, pres., 791 Allerton Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., 6 story, 87 x 100 ft., brick, timber, Cruger Ave. and Burke St. $180,000.

N. Y., New York — AUTO SHOW and STOCK ROOMS—Heights Property Corp., A. Herwitt, pres., 353 Fort Washington Ave., plans by C. Kreymborg & Son, 2534 Marion Ave., 2 story, 100 x 186 ft., brick, concrete, 657 West 182nd St. $150,000.

N. Y., New York — HOSPITAL and SANITARIUM—Cedar Rivers Corp., H. B. Steffanson, pres., 285 Madison Ave., bids late in spring, hospital and sanitarium, 45 East 61st St. $450,000. K. Franzheim, 345 Madison Ave., archt.

N. Y., New York—SERVICE GARAGE—Corporation, c/o M. Breneastock, 463 7th Ave., New York, plans by Shampan & Shampan, 188 Montague St., Brooklyn, 2 and 3 story, 100 x 253 ft., brick, concrete, Bronxdale Ave. and unnamed St. $250,000.

N. Y., New York—STORE and APARTMENT—L. Kovner, 1133 Bway., 6 story, 52 x 100 ft., brick, timber, 8th Ave. and 21st St. $225,000. Engineer and architect not selected.

N. Y., New York—STORE and APARTMENT—A. Rosenstock, 1315 Westchester Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave. $150,000.

N. Y., New York—STORE and APARTMENT—Shubert Theatre Corp., J. J. Shubert, pres., plans by H. J. Krapp, 234 West 44th St., plans 15 story, 25 x 100 ft., brick, steel, 233 West 46th St. $200,000.

N. Y., New York — STORAGE, STORE and OFFICE—Corporation, c/o H. I. Oser, archt., 1440 Bway., bids in March, 16 story, 100 x 125 ft., brick, steel, 305 East 54th St. $750,000. Noted Nov. 8.

N. J., Allenwood—WELFARE HOME—Bd. Freeholders Monmouth Co., Court House, Freehold, sketches by L. Cubberly, 133 Morris Ave., Long Branch, 3 story, basement, brick, steel, plain found., County Hospital Grounds. $150,000.

N. J., Asbury Park — APARTMENT — Peoples Bldg. & Constr. Co., New Brunswick, 8 story, 100 x 150 ft., brick, steel, Grand and 5th Aves. $700,000.

N. J., Jersey City — HOSPITAL — P. L. Schultz, archt., 256 Summit Ave., Union City, rejected bids Oct. 22, 11 story, basement, 50 x 165 ft., brick, steel, rein.-con., plain found., 327-33 Fairmount Ave. $300,000. Noted Oct. 18.

N. J., Newark — STORE and WAREHOUSE — Sears, Roebuck & Co., 4640 Roosevelt Blvd., Phila., Pa., 3 story, 100 x 200 ft., basement, Elizabeth Ave. and Stanton St. $700,000.

Pa., Phila.—STORE—Ritter & Shay, archts., Packard Bldg., soon lets contract 2 story, basement, 127 x 193 ft., brick, steel, 69th and Ludlow Sts., for Sixty-Ninth & Ludlow Corp., c/o architects. $350,000.

Pa., Pittsburgh—MEDICAL CENTER—Presbyterian Hospital Assn., plans by E. P. Mellon, Oliver Bldg., 10 story, basement, 5th Ave. near Darragh St. $6,000,000.

Pa., Pittsburgh — OFFICE — Keystone State Building & Loan Assn., Diamond St., and P. C. Dowler, archt., Century Bldg., soon lets contract 2 story, basement, irregular shaped, brick, steel, 5th Ave. $150,000.

D. C., Wash. — APARTMENT — F. Schnider, 1104 Vermont Ave., soon takes bids on sub-contracts apartment, 200 Massachusetts Ave. N. E. $400,000.

D. C. Wash.—STORES—W. H. Cookman, archt., Pennsylvania R.R. Co., Broad St. Station, Phila., Pa., soon lets contract general contract 30 stores, Water St., from 12th to 14th Sts., for Potomac Freight Terminal Co., 4½ and D Sts. S. W. A. P. Clark, Jr., 816 14th St. N. W., consult. archt. Noted Nov. 15.

Va., Richmond—BANK—American Natl. Bank plans by M. E. Wright, Amer. Natl. Bank Bldg., 22 story bank building, 10th and Main Sts. $2,000,000.

Ill., Oak Park—APARTMENT HOTEL—J. E. Decker, 508 Fair Oaks Ave., plans by Leichenko & Esser, 37 South Dearborn St., Chicago, 10 story, basement, rein.-con., brick, Wisconsin and Pleasant Sts. $1,000,000.

Ill., Oak Park—OFFICE—S. N. Crowen Co., archts., 22 West Monroe St., soon lets contract 4 story, basement, 75 x 140 ft., rein.-con., brick, limestone, 1136-40 Lake St., for Syndicate, c/o architects. $500,000.

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Ill., Rockford — FURNITURE MART — Stevens Nemes, c/o Bond House of Illinois, 360 North Michigan Ave., Chicago, soon takes bids 7 story, basement, brick, rein.-con. furniture mart. $600,000. Jillson & Pierce, 35 East Wacker Dr., Chicago, archts.

Tex., Temple—CITY HALL—City, c/o G. E. Byars, city mgr., City Hall, revised plans by M. W. Scott, 412½ Franklin Ave., Waco, 4 story, part basement, 110 x 130 ft., rein.-con., brick, stone or terra cotta, $150,000. Noted Oct. 25.

Ore., Portland—OFFICE and STORE—Claussen & Claussen, archts., Macleay Bldg., soon take bids 24 story, double basement, 100 x 150 ft., rein.-con., timber, 3rd and Alder Sts., for Pacific States Investment Co., Portland. $1,250,000.

Ore., Portland—STORE—Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., department store, Grand Ave. and Lloyd Blvd. $2,000,000.

Bids Asked

Mass., Beverly — APARTMENT — See "Contracts Awarded."

Mass., Boston — APARTMENT — Ten Walnut St. Trust Co., c/o Derby & Robinson, archts., 3 Joy St., taking bids 5 story, basement, irregular sized brick, plain found., 10 Walnut St. $150,000.

Mass., Brighton (sta. Boston)—APARTMNT—See "Contracts Awarded."

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Lowell — PARISH HOUSE — St. Joseph's Roman Catholic Church, c/o H. P. Graves, archt., 40 Middlesex St., taking bids 3 story, basement, brick, stone, plain found., Decatur Ave. $150,000. Noted Aug. 16.

R. I., Woonsocket—OFFICE—See "Contracts Awarded."

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Far Rockaway—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOTEL and APARTMENT—Sixty-Two Riverside Dr. Corp., A. Hicky, pres., 256 West 31st St., taking bids separate contracts 336 West 78th St. $400,000. Gronenberg & Leuchtag, 256 West 31st St., archts. Noted Nov. 15.

N. Y., New York—STORES and APARTMENT—One Hundred Thirty-Seven West 78th St. Corp., C. F. McMorrow, 343 Lexington Ave., taking bids on separate contracts 18 story, brick, rein.-con., brick, 379 Amsterdam Ave. $1,500,000. G. A. Bagge, 157 East 44th St., archt. Noted Aug. 9.

N. Y., Stapleton—COURT—Dec. 6, by J. A. Lynch, pres. Richmond Boro, Boro Hall, New Brighton, municipal and magistrate courts building. Sibley & Fetherston, 101 Park Ave., New York, archts. Former bids rejected. Noted Nov. 8.

N. Y., Woodside (Ind. br. Flushing)—APARTMENT—See "Contracts Awarded."

N. J., Clifton—CLUB—Dec. 3, by Peabody, Wilson & Brown, archts., 140 East 39th St., New York, 2 story, basement, brick, steel, plain found., for Upper Montclair Country Club, 555 Grove St., Upper Montclair. $150,000.

N. J., Hoboken—CLUB—J. D. Lugosch, archt., 714 Bergenline Ave., Union City, taking bids altering and constructing 3 story, basement, 30 x 100 ft. brick, steel addition, plain found., Washington and 10th Sts., for B. P. O. Elks, Washington St. $150,000. Noted July 26.

N. J., Jersey City—CLUB—P. O. Simone & Co., Inc., archt., 22 Journal Sq., taking bids 3 story, basement, 75 x 100 ft., brick, steel, plain found., 24 Liberty Ave., for Polish American Democratic Club, 22 Liberty Ave. $150,000. Noted Nov. 22.

N. J., Paterson — F. W. Wentworth, archt., 140 Market St., bids about Dec. 1, general contract 3 story, basement, 115 x 140 ft., rein.-con., brick, steel, plain found., Ward and Prince Sts., for Y.M.C.A., R. J. Walsh, genl. secy., 141 Ellison St. Est. $750,000. Noted Nov. 1.

N. J., Perth Amboy—ARMORY—Dpt. Institutions & Agencies, State Office Bldg., Trenton, bids about Dec. 1, general contract 2 story, basement, brick, steel, plain found., Lewis Ave. $150,000. G. M. Ricci, 224 Smith St., archt. Noted Oct. 11.

Pa., Orwigsburg—ASYLUM—Dec. 3, by P. Monaghan, archt., 1520 Locust St., Phila., 3 story, basement, 74 x 237 ft., rein.-con., brick, steel, plain found., for St. Francis Orphanage, 8th and Race Sts., Phila.

Pa., Pittsburgh—WAREHOUSE—R. W. Trimble, archt., Commonwealth Annex, taking bids and opens same about Dec. 1, 1 story, 130 x 400 ft., brick, steel, Beaver Ave., for Whitaker Paper Co., 9th St. $150,000. Noted Oct. 18.

D. C., Wash.—APARTMENT—E. M. Willis, 927 15th St. N. W., and G. T. Santmyer, archt., 917 15th St. N. W., taking bids on sub-contracts, 10th St. near Rhode Island Ave. N. E. $250,000. Noted Nov. 15.

Ind., Evansville—OFFICE and THEATRE—Syndicate forming, c/o A. Phelps, 306 North 4th St., bids about Dec. 15, 12 story, basement, rein.-con., steel, brick, stone office and theatre of 2,700 seating capacity, 3rd and Sycamore Sts. $1,500,000. Bowling & Shank, 1198 Arcade Bldg., archts., and W. J. Knight, 902 Wainwright Bldg., engr., both St. Louis, Mo. Noted Oct. 23 under "Contracts Awarded."

Ill., Chicago—APARTMENT—Leichenko & Eser, archts., 38 South Dearborn St., bids about Dec. 5, 21 story, basement, 76 x 125 ft., brick, 1638 East 50th St., for Syndicate, c/o architects. $1,500,000. Noted Oct. 11.

Ill., Chicago — APARTMENTS and SHOPS — See "Contracts Awarded."

Ill., Chicago—OFFICE and STORE—See "Contracts Awarded."

Mo., St. Louis—APARTMENT—Syndicate forming, c/o C. P. Heath Real Estate Co., 818 Chestnut St., bids about Jan. 15, Exeter Arms Apartments, 8 story, basement, rein.-con., brick, stone, terra cotta, on 200 x 231 ft. site, Pershing Rd. west of Taylor Ave. $800,000. T. P. Barnett Co., 1559 Arcade Bldg., archts.

Ark., Hot Springs—HOTEL—See "Contracts Awarded."

Ont., Windsor — APARTMENT — See "Contracts Awarded."

Bids Received

B. C., Essondale—HOSPITAL—Deputy Minister Provincial Govt., Victoria, and P. Philip, engr. Dpt. P. Wks., Victoria, female chronic building, power house extension, rein.-con., and 3 small frame buildings, from A. C. McDougall & Sons Ltd., 410 Seymour St., Vancouver, $1,415,000. Noted Oct. 25.

Contracts Awarded

Mass., Beverly—APARTMENT—T. W. Duncan Co., Inc., 1 City Hall Sq., Lynn, 3 story, basement, 105 x 120 ft., brick, stone, plain found., Ives and Lothrop Sts., separate contracts. $160,000. G. A. Cornet, 7 Munroe St., Lynn, archt.

Mass., Brighton (sta. Boston)—APARTMENT—J. Pritsky, 43 Stanwood St., Roxbury, 4 story, basement, 60 x 110 ft., brick, plain found., 43 Ashford St., separate contracts. $160,000. Winebaum & Wexler, 73 Cornhill, Boston, archts.

Mass., Brookline (br. Boston)—APARTMENT—S. Altman, 24 School St., Boston, 4 story, basement, two units, brick, plain found., Beacon and James Sts., separate contracts. $160,000. F. A. Norcross, 46 Cornhill, Boston, archts.

Mass., Mattapan (Sta. Boston)—WARD—City of Boston, Hospital Dpt., 3 story, basement, brick, plain found., River St., to J. A. Singarella, Park Sq. Bldg., Boston, $143,240. Noted Nov. 22.

Mass., Pittsfield — EXCHANGE — New England Telephone & Telegraph Co., 245 State St., Boston, 4 story, basement, brick, steel, plain found., Wendell and Federal Sts., to F. T. Ley & Co., Inc., 20 Providence St., Boston. Est. $150,000 or more.

Mass., Worcester — APARTMENT — E. Rosenthal, c/o Berenson & Moses, 252 Asylum St., Hartford, Conn., 4 story, 50 x 100 ft., brick, steel, to G. D'Ascandi, 69 Fore St., Portland, Me. Est. $150,000. Noted Oct. 18.

R. I., Providence — BANK — Providence Institute for Savings, 86 South Main St., 3 story, basement, 65 x 125 ft., brick, limestone, rein.-con., steel, plain found., to C. B. Maguire Co., Grosvenor Bldg. Est. $150,000 or more. Noted Nov. 8.

R. I., Woonsocket — OFFICE — Bouvier-Brien Constr. Co., 189 Sayles St., 3 story, basement, 120 x 145 ft., brick, plain found., Clinton St., separate contracts. To exceed $150,000. W. F. Fontaine, 285 Main St., archt.

Conn., Bridgeport — STORE — Howland Dry Goods Co., 62 Cannon St., 5 story, brick, steel addition, Cannon St., to T. J. Pardy Constr. Co., 1481 Seaview Ave. Est. $300,000.

N. Y., Astoria—APARTMENT—Corporation, c/o R. Lukowsky, archt., 28-13 Newton Ave., 2 story, brick, timber, 30th Rd. and East Vernon Blvd., to Angels Constr. Co., 11-40 Temple St., Long Island City. Est. $150,000. Noted Nov. 15.

N. Y., Brooklyn—APARTMENT—Bernsyle Realty Corp., 150 East 94th St., 6 story, 75 x 86 ft., brick, timber, separate contracts. $155,000. A. Millman, 180 Pitkin Ave., archt. Noted Nov. 1.

N. Y., Buffalo—OFFICE and MEDICAL CENTER—See "Proposed Work."

N. Y., Far Rockaway—APARTMENT—B. Goldberg, 2077 East 12th St., Brooklyn,

Buildings—Commercial (Continued)

6 story, 86 x 118 ft., brick, timber, separate contracts. Cohn Bros., 361 Stone Ave., Brooklyn, archts. Noted Nov. 15.

N. Y., New York—APARTMENT—Arne Holding Corp., O. Pederson, pres., 6 story, 73 x 112 ft., brick, timber, separate contracts. $150,000. G. G. Miller, 326 East 149th St., archt. Noted Nov. 15.

N. Y., New York—APARTMENT—Corporation, c/o S. Herbst, 1763 Hoe Ave., 6 story, 85 x 100 ft., brick, timber, Honeywell Ave. and 180th St., to Leona Building Corp., 1763 Hoe Ave. Est. $165,000. Noted Nov. 15.

N. Y., New York—APARTMENT—Corporation, c/o M. Olivetti, 1492 Westchester Ave., 6 story, 87 x 120 ft., brick, timber, to Julia Constr. Corp., 1492 Westchester Ave. Est. $195,000. Noted Nov. 15.

N. Y., New York—APARTMENT—Corporation, c/o F. Sammartana, 737 Astor Pl., 6 story, 87 x 125 ft., brick, steel, to Rudolph Constr. Co., 737 Astor Pl. Est. $200,000. Noted Nov. 15.

N. Y., New York—APARTMENT—Corporation, c/o N. Silberman, 1084 Intervale Ave., 6 story, 82 x 100 ft., brick, timber to Lisber Building Corp., 1084 Intervale Ave. Est. $150,000. Noted Nov. 15.

N. Y., New York—APARTMENT—Elder Realty Corp., Inc., J. Auerbach, pres., 2561 White Plains Rd., 4 story, 190 x 257 ft., brick, timber, separate contracts. $300,000. G. W. Swiller, 4215 3rd Ave., archt. Noted Nov. 15.

N. Y., New York—APARTMENT—James Ray Realty Corp., I. Palmer, pres., 2 and 6 story, apartment, separate contracts. $150,000. Sugarman & Berger, 345 Madison Ave., archts. Noted Nov. 15.

N. Y., New York — APARTMENT — Learex Realty Corp., D. Israel, pres., 902 41st St., Brooklyn, 6 story, 71 x 86 ft., brick, timber, to D. Isreal Corp., 902 41st St., Brooklyn. Est. $160,000. Noted Nov. 15.

N. Y., New York—APARTMENT—Montoya Realty Corp., H. Willet, pres., 6 story, 128 x 335 ft., brick, timber, separate contracts. $1,250,000. H. Ginsberg, 222 East 42nd St., archt. Noted Nov. 15.

N. Y., New York—APARTMENT—One Thousand Four Hundred Eight Fulton Avenue Corp., F. Tovolacci, pres., 783 East 169th St. 6 story, 94 x 100 ft., brick, timber, separate contracts. $250,000. T. Price, 243 West 231st St., archt. Noted Nov. 15.

N. Y., New York—APARTMENT—One Thousand Two Hundred and Twenty Seneca Avenue Corp., S. Ruth, pres., 76 Seaman Ave., 6 story, 75 x 82 ft. brick, timber, separate contracts. $150,000. Noted Nov. 15.

N. Y., New York—BANK and OFFICE—Servein Realty Corp., 64 2nd Ave., M. Weinstein, pres., 6 story, 25 x 100 ft., brick, to H. R. H. Constr. Co., 9 East 40th St. Est. $150,000. Noted Nov. 15.

N. Y., New York—HOTEL, OFFICE and CHURCH—Salvation Army, Inc., 120 West 14th St., 11 and 16 story, penthouse hotel, office and church, to Amsterdam Building Co., 441 Lexington Ave. Est. $2,000,000. Noted Aug. 30.

N. Y., New York — OFFICE — Bricken Constr. Co., 1385 Bway., 48 story, brick, steel, Bway. and 41st St., separate contracts. To exceed $5,000,000. Buchman & Kahn, 2 Park Ave., archts.

N. Y., New York — STORAGE and APARTMENTS — E. Roth, archt., 1440 Bway., two 10 story, brick, steel, to Bing & Bing, 119 West 40th St., for One Hundred Eighty Second Corp., W. Guthman, pres., 119 West 40th St. $400,000 each. Noted Oct. 4.

N. Y., New York—STORE and APARTMENT—Corporation, c/o I. Seiffert, 1820 Prospect Ave., 2 story, 100 x 125 ft., brick, timber, to Hight Angle Constr. Co., 1820 Prospect Ave. Est. $200,000. Noted Nov. 15.

N. Y., Woodside (Ind. br. Flushing) — APARTMENT — Menorah Realty Co., 37-44 65th St., 4 story, 62 x 100 ft., brick, timber, separate contracts. $165,000. Noted Nov. 15.

N. J., Orange — APARTMENT — A. P. Nucciarone, archt., 206 Central Ave., 5 story, basement, 120 x 145 ft., brick, steel, plain found., 280 Central Ave., to A. Cassini, 304 Central Ave. Est. $200,000. Noted Nov. 22.

Pa., Phila. — HOSPITAL — Corporation, c/o M. J. Meyers, archt., 250 Park Ave., New York, 200-bed hospital, Clinton and 10th Sts., to Mideast Constr. Co., 50 Court St., Brooklyn, N. Y. Est. $1,000,000.

Pa., Uniontown—BANK—National Bank Fayette Co., M. H. Bourman, pres., general contract altering, constructing addition, to A. & S. Wilson Co., 541 3rd St., Pittsburgh. Est. $200,000. Noted Aug. 9.

D. C., Wash. — APARTMENT — R. M. Fred, 816 Potomac Ave., general contract apartment, 18th and Harvard Sts. N. W., to Fletcher Fireproofing Co., 927 15th St. N. W. Est. $150,000. Contractor taking bids on sub-contracts.

Miss., Hattiesburg — HOTEL — Forrest Hotel Co., c/o Chamber of Commerce, 8 story, mezzanine, basement, 46 x 160 ft., rein.-con., brick, terra cotta, to G. M. Gwin Constr. Co., Union Indemnity Bldg., New Orleans, La. Est. $500,000. Noted Nov. 8.

O., Toledo—STORE, OFFICE, APARTMENT—K. D. Keelholts, 2005 Potomic Dr., 150 x 150 ft., brick, plain found., Collingwood St., to V. H. Pfaender, Security Bldg. Est. $150,000-$200,000.

Mich., Kalamazoo—BANK and OFFICE—Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., general contract 15 story, basement, 74 x 100 ft., brick, steel, stone, to O. F. Miller, Kalamazoo. Est. $1,000,000. Noted Oct. 25.

Ill., Chicago — APARTMENT — A. H. Quitsow, archt., 228 North La Salle St., masonry and carpentry contract 3 story, English basement, 150 x 176 ft., brick, stone, for C. Pegeler, 134 North La Salle St., to A. W. Anderson, 1436 Elmdale St.; plumbing, to A. Allardyce, 5052 North Clark St.; heating, to Schampel & Daugherty, 111 West Washington St. $275,000. Noted Nov. 1.

Ill., Chicago—APARTMENTS and SHOPS—Lautz & Christensen, archts., 806 West 70th St., masonry and carpentry contracts two 3 story, 70 x 75 ft., brick, terra cotta, 2906-26 South Ashland Ave., to S. Monson, 8207 St. Lawrence Ave., for Lauerman Bros., 175 West Jackson Blvd. Est. $150,000. Architects now taking bids on balance trades.

Ill., Chicago — OFFICE and STORE — Lautz & Christensen, archts., 806 West 78th St., masonry and carpentry contracts 5 story, 100 x 107 ft., brick, terra cotta, 79th St. and Ashland Ave., to Sigfrid Monson, 8207 St. Lawrence Ave., for Lauerman Bros., 175 West Jackson Bldv. Est. $450,000. Architects now taking bids on balance trades.

Ill., Chicago—STORE and APARTMENT—Oldefest & Williams, archts., 605 North Michigan Ave., general contract 3 story, basement, brick, on 125 x 203 ft. site, Agatite St. and Milwaukee Ave., to North Town Builders, Devon and Claremont Aves., for M. F. Schiavone et al., 10 South La Salle St.

Ill., Chicago — THEATRE, STORE and APARTMENT — E. Steinborn, archt., 179 West Washington St., masonry contract 3 story, basement, 120 x 200 ft., brick, plain found., to C. Puvogel Sons, 2332 Berwyn Ave.; carpentry, to A. Nelson, 3648 North Troy St., for Blaine Building Corp., 3720 Southport Ave. Est. $450,000. Noted Oct. 11.

Mo., St. Louis—PARCEL POST—Terminal Railroad Assn. of St. Louis, 18th and Market Sts., 2 story, basement 140 x 150 ft., rein.-con., brick, stone addition, 2000-2020 Market St., to D. P. Robinson & Co., Inc., 125 East 46th St., New York. Est. $200,000.

Ark., Hot Springs—HOTEL—New York Hotel Co., c/o T. K. Martin, 118 Francis St., Kingshighway Hotel, 14 story, rein.-con., brick, stone terra cotta, Bway. and Spring St., separate contracts, under supervision of G. R. Mann, archt. Wanger & King and G. R. Mann, New Donaghey Bldg., Little Rock. Noted July 19. $1,000,000.

Ont., Windsor—APARTMENT—W. Goldstein, 842 Dufferin Pl., 4 story, basement, 100 x 100 ft., rein.-con., brick, steel, plain found., McDougall and Giles Sts., day labor. $175,000.

B. C., Vancouver — WAREHOUSE — Northern Electric Co. Ltd., 313 Water St., 3 story, basement, 100 x 100 ft., rein.-con., Robson St., to Adkison & Dill, 319 Pender St. W.; plumbing, heating, oil burner and sprinklers, to Barr & Anderson Ltd., 1060 Homer St. $150,000.

Buildings—Educational, Religious

Proposed Work

Me., Waterford — CHURCH and COMMUNITY HOUSE—First Parish Church, A. C. Townsend, pastor, revised plans by J. C. and J. H. Stevens, 477 Congress St., Portland, 2 story, basement, brick, plain found. To exceed $150,000. Former bids rejected. Noted Oct. 18.

Mass., Boston — SCHOOL — Commonwealth of Massachusetts, Dpt. Educ., soon takes bids 4 story, basement, 175 x 260 ft., brick, stone, plain found., Brookline and Longwood Aves. $400,000. Henry & Richmond, 12 West St., archts.

Mass., Everett (br. Boston)—SCHOOL—D. R. Murdock, chn. School Building Com., revised plans by W. W. Drummey, Inc., 80 Boylston St., Boston, 2 story, basement, 105 x 120 ft., brick, stone, Shute St. $170,000. Former contract rescinded. R. D. Kimball Co., 6 Beacon St., Boston, engr. Noted Oct. 11.

Mass., Northampton — SCHOOLS—City, Superintendent Schools, 290 Main St., 2 grade schools, 1 at Pine St. and other Riverside Dr. To exceed $150,000. Engineer and architect not selected.

Conn., Meriden—SCHOOLS—City, C. C. Thompson, supt. schools, additions to North Colony St. School 85,000; Lincoln Junior High School $80,000; Lewis and Columbus Aves. Schools, Roger Sherman School; brick, steel and trade school, Pleasant and Crescent Sts., $175,000; 16 room, brick, steel addition to Central Elementary School, $175,000.

Conn., Wallingford — TRAINING — Choate School, G. C. St. John, head, brick, concrete, steel indoor training and garage building, North Elm St. $250,000. Engineer and architect not selected.

Conn., Waterbury — CHURCH — First Church of Christ Scientist, H. A. Daly, chm. Building Comm., plans by F. A. Webster, 51 West Main St., 1 story, basement, brick, stone, plain found. To exceed $150,000.

Conn., West Hartford (br. Hartford) TEMPLE—Beth Israel Temple, 21 Charter Oak Ave., Hartford, plans by C. R. Greco, 11 Beacon St., Boston, Mass., brick, stone, Farmington Ave. $150,000 or more.

N. Y., New York—CHURCH—All Souls Unitarian Church, 104 East 20th St., brick, stone, Lexington Ave. and 80th St. To exceed $150,000. Engineer and architect not selected.

N. Y., Ossining—HIGH SCHOOL—Union Free School Dist. 1, bids in December or January, 2 story, brick, 26 South Highland Ave. $750,000. J. G. Rogers, 156 East 46th St., New York, archt. Noted July 12.

N. Y., Poughkeepsie—NURSES HOME—Vassar Hospital plans by McKim, Mead & White, 101 Park Ave., New York, nurses home. $400,000. C. F. Neergaard, 512 5th Ave., New York, hospital consultant.

N. J., Caldwell — HIGH SCHOOL — Bd. Educ., Boro Hall, plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel addition, plain found. $150,000.

N. J., East Orange — HALL — First Baptist Church, F. C. Stiller, pastor, 15 Winthrop Terrace, brick, Hawthorne Ave. $150,000.

N. J., East Paterson — SCHOOL — Bd. Educ., Boro Hall, 2 story, basement, brick, steel, plain found. $150,000. Engineer and architect not selected.

N. J., Jersey City—SCHOOL—Bd. Educ., Harrison Ave., revised plans by J. T. Rowland, 30 Journal Sq., 2 story, basement, brick, steel, rein.-con., plain found., Van Horne St. $1,000,000. Noted Nov. 15.

N. J., Maplewood (br. South Orange)—SCHOOL—Bd. Educ., South Orange and Maplewood School Dists., Parker Ave., plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, rein.-con., brick, steel, plain found., Harvard Ave. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts.

N. J., Neptune—SCHOOL—Bd. Educ., High School, sketches by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found. $150,000. Noted Nov. 22.

N. J., New Brunswick — FRATERNITY HOUSE—Beta Theta Pi, J. N. Wittpern, Jr., 33 Beaumont Pl., Newark, sketches by W. J. Fitzsimmons, 626 Central Ave., East Orange, archt.

N. J., Summit — SCHOOL — Bd. Educ., 272 Morris Ave., 2 story, basement, brick, steel, plain found., Canoe Brook Parkway. $150,000.

Pa., Beaver Falls—HIGH SCHOOL—Bd. Educ. plans by Carlisle & Sharrer, Martin Bldg., Pittsburgh, 2 story, basement, brick, steel, 8th Ave. $250,000.

Pa., Coraopolis—CHURCH—First Presbyterian Congregation, plans by Nicklas & Rodrick, 1227 Prospect Ave., Cleveland, O., 1 and 2 story, basement, Bway. and 5th Ave. $200,000.

O., Cleveland Heights (mail Cleveland)—SCHOOLS—Bd. Educ., W. G. Nesbit, dir., plans by J. H. Graham & Co., 1612 Euclid Ave., Cleveland, 3 story, concrete, brick, steel high school incl. shops and manual training dept., Yellowstone Rd., $350,000; 3 story, basement school addition, Oxford Rd., $150,000. Noted Nov. 11.

O., Oberlin — AUDITORIUM — Trustees Oberlin College plans by Cass Gilbert, 244 Madison Ave., New York, auditorium, North Main St. $900,000.

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Buildings—Educational, Religious (Contd.)

Ill., Chicago — CHURCH — South Shore Presbyterian Church, plans by G. Awsumb, Dermon Bldg., Memphis, Tenn., church, South Shore Dr. and 76th St. $250,000.

Bids Asked

Mass., Ashland—SCHOOL—Dec. 4, by Town, E. R. Dearborn, chn. building comr., 2 story, basement, brick, steel grade school. $150,000. F. I. Cooper, 172 Tremont St., Boston, archt.

Mass., Cambridge (br. Boston)—SCHOOL—Bd. Educ. taking bids Roberts School, 3 story, basement, 80 x 200 ft., brick, plain found., incl. assembly hall and manual training room. $650,000. C. R. Greco, 11 Beacon St., Boston, archt. Noted Aug. 9.

N. Y., Pelham Manor (Ind. br. New York)—HIGH SCHOOL—School Bd. H. B. Nevins, pres., bids about Dec. 1, high school, $500,000. Hart & Shape, 247 Park Ave., New York, archts. Noted Oct. 25.

N. J., Camden—HIGH SCHOOL—Dec. 7, by Bd. Educ., E. L. Seabrook, City Hall, Junior High School, 2 story, basement, 205 x 268 ft., rein.-con., brick, steel, plain found., 31st and Federal Sts. Davis, Dunlap, & Barney, 1809 Walnut St., Phila., Pa., archts. Noted July 19.

N. J., Cliffside—SCHOOL—Bd. Educ., Palisade Ave., bids about Dec. 15, general contract 2 story, basement, brick, steel, rein.-con., addition, Lawton Ave. $265,000. E. F. Manahan, 3 Knox Ave., Grantwood, archt. W. Mayer, Jr., 711 Bergenline Ave., West New York, assoc. archt. Noted Sept. 4.

N. J., Cliffside — SCHOOL — Bd. Educ., Palisade Ave., bids about Dec. 15, general contract 2 story, basement, 125 x 250 ft., rein.-con., brick, steel, plain found., Grantwood Sect. $350,000. R. J. Cadien, 545 Gorge Rd., Grantwood, and J. N. Pierson, 198 Jefferson Ave., assoc. archts. Noted Nov. 1.

N. J., Elizabeth — CHURCH — J. B. Beatty, archt., 15 North Reid St., sub-bids after Dec. 1, 1 story, basement, 90 x 130 ft., brick, steel, plain found., Elizabeth Ave., for Church of Most Holy Rosary. $200,000. Noted Nov. 15.

N. J., Montclair—CHURCH—H. B. Upjohn, archt., Grand Central Terminal Bldg., New York, bids about Jan. 15, general contract 1 story, basement, brick, steel, plain found., for St. Lukes Protestant Episcopal Church, 75 Fulton Ave. $150,000. Noted May 3.

N. J., Passaic—COMMUNITY CENTER—Ahravas Israel (M. Burg), 171 Howard St., bids about Dec. 15, general contract 5 story, basement, 100 x 150 ft., brick, steel, plain found., 181 Van Houten Ave. $150,000. Preiskel & Skvarla, 2 Lexington Ave., archts. Noted Nov. 8.

N. J., Princeton—SCHOOL—Princeton Junior School for Boys, A. Murch, headmaster, bids about Dec. 15, 2 story, basement, brick, steel. $150,000. Guilbert & Betelle, 20 Branford Pl., Newark, archts. Noted Sept. 20.

N. J., West Orange—SCHOOLS—Dec. 4, by Bd. Educ., High School, Northfield Ave., 2 story, basement school, St. Cloud, Hacker & Hacker, Fort Lee Trust Bldg., Ft. Lee, archts.; (1st unit) Pleasantdale School, 2 story, basement, Pleasant Valley Way, W. C. Wands, 309 Bloomfield Ave., Caldwell, archt. Noted. Oct. 4 and Nov. 22.

Pa., Harrisburg—CHURCH—Dec. 4, by Our Lady of Blessed Sacrament Congregation and Link, Weber & Bowers, archts., Baum Blvd., Pittsburgh, 1 and 2 story, basement church, $200,000.

Pa., Phila. — SCHOOL — Dec. 4, Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., 3 story, basement, 97 x 219 ft., rein.-con., brick, plain found., Levick and Battersby Sts. T. Catharine, 19th and Chestnut Sts., archt.

O., Cleveland — SCHOOLS—Dec. 17, by Bd. Educ., F. G. Hogan, dir., two 2 and 3 story, 80 x 170 ft., and 44 x 60 ft., concrete, brick, steel schools, one at East 140th St. and Byran Ave., other Bosworth Rd. and Thrush Ave. $500,000 each. G. M. Hopkinson, Auditorium Garage Bldg., archt.

O., Euclid (br. Cleveland)—SCHOOL—Dec. 15, by Bd. Educ., G. C. Witmer, clk., 2 story, basement, concrete, brick, steel, East 200th St. $150,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

O., Medina—SCHOOL—Mar. 1, by Bd. Educ., 2 story, basement, concrete, brick, steel. $150,000. F. S. Rusk, 35 East Main St., Columbus, archt.

Wis., Lake Geneva—HIGH SCHOOL—Dec. 8, by Bd. Educ., 2 story, 107 x 167 ft., brick, stone high school. $170,000. J. C. Llwellyn & Co., 38 South Dearborn St., Chicago, Ill., archts. Noted Sept. 20.

Mo., Maplewood (br. St. Louis)—HIGH SCHOOL—Dec. 18, by Bd. Educ., J. J. Bridell, pres., 7415 Flora St., 2 story, basement, rein.-con., brick, stone high school. $195,000. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted Nov. 1.

Mo., University (br. St. Louis)—HIGH SCHOOL—Dec. 11, by Bd. Educ., A. Fairbank, pres., (1st unit), 4 story, basement, 64 x 140 ft., main building, two 3 story, basement, 64 x 116 ft. wings, 2 story, basement, 100 x 145 ft. gymnasium, 1 (equal to ordinary 2 stories) story, 45 x 50 ft. temporary boiler house, rein.-con., brick, stone, Jackson Rd., Dorsett and Shaftsbury Sts. $550,000. Total est. $1,000,000. Trueblood & Graf, 1517 Chemical Bldg. and Ferrand & Fitch, 6188 Delmar Blvd., St. Louis, archts. Noted Nov. 1.

Bids Received

Mass., Brighton (sta. Boston) — HIGH SCHOOL — City of Boston, Schoolhouse Dpt., 3 story, basement, 100 x 447 ft., and 2 wings, brick, granite, limestone, plain found., Bennett St., from Rugo Constr. Co., 80 Boylston St., Boston, $1,197,300. Noted Sept. 20.

Contracts Awarded

Me., Portland—HOME—Jewish Home for Aged, M. Cranski, chn. com., 2 story, basement, brick, stone, plain found., to N. E. Redlon Co., Union St. Est. $150,000. Noted Oct. 4.

Me., Richmond—HIGH SCHOOL—Town, D. F. Moody, supt. Schools, 2 story, basement, brick, stone, plain found., Kimball St., to C. T. Reynolds, Augusta. Est. $150,000. Noted June 24.

N. H., Hanover—DORMITORY—Dartmouth College, Hanover, Y and Z Dormitory, 3 story, basement, irregular sized, brick, plain found., college grounds, to Hegeman-Harris Co., Inc., 100 Milk St., Boston, Mass. Est. $150,000-$160,000.

N. Y., Lackawanna (br. Buffalo) — SCHOOLS — Bd. Educ., general contract high school, Ridge Rd., to W. E. Goat, 44 Leroy St., Buffalo, $168,000; general contract 2 story, basement, 107 x 160 ft. school, Bethlehem Park, to A. Utecht, Gould Ave., Depew, $125,524. Noted June 21.

N. J., Livingston—SCHOOL—Bd. Educ., Central School, general contract 2 story, basement, 62 x 162 ft., rein.-con., brick, steel, plain found., Livingston Ave., to L. M. Steele, Tube Concourse Bldg., Jersey City, $116,540. Noted Nov. 15.

N. J., Paterson — SYNAGOGUE and SCHOOL—F. W. Wentworth, archt., 140 Market St., general contract 2 story, basement, brick, steel, plain found., Bway. and 33rd Ave., for Temple Emanuel, to J. W. Ferguson Co., 152 Market St. Est. $150,000. Noted Nov. 1.

N. J., Tenafly—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, plain found., to J. C. Bowe, 18 West Palisade Ave., Englewood, $165,630; heating, plumbing, to J. A. Grahn, 41 Highwood Ave., $28,043 and $12,480 respectively. Grand total $206,153. Noted Nov. 22.

Pa., California—TEACHERS TRAINING SCHOOL—California State Normal School, c/o Principal, general contract 2 story, basement, 65 x 168 ft. training school, to F. D. Beyer & Co., Tyrone, $128,098.

Pa., Clarion — TEACHERS TRAINING SCHOOL — Clarion State Normal School, R. C. Steele, pres., general contract 2 story, basement, 65 x 168 ft., brick, steel, to F. D. Beyer & Co., Tyrone, $127,337. Est. $150,000. Noted May 31.

Pa., Lock Haven — TEACHERS TRAINING SCHOOL — Lock Haven Normal School, c/o Principal general contract 2 story, basement, 65 x 168 ft., brick, steel, to J. C. Snyder, Selinsgrove. Est. $150,000.

Pa., Pittsburgh — CHURCH and SUNDAY SCHOOL — Ingham & Boyd, archts., Empire Bldg., general contract 1 and 2 story, basement, stone, to E. A. Wehr, Highland Bldg., for Waverly Presbyterian Congregation. Est. $175,000. Noted Nov. 8.

Pa., State College—DORMITORY—Pennsylvania State College, R. I. Webbs, supt., 3 story, basement, 74 x 201 ft., rein.-con., brick, steel, plain found., to Berkebile Bros., Johnstown. Est. $200,000. Noted Oct. 18.

Pa., Wernersville — COLLEGE — Jesuit Novitiate, 3 story, basement, brick, plain found., to McCloskey Co., 1620 Thompson St., Phila. Est. $150,000 or more. Noted Apr. 5.

Ga., Savannah—HIGH SCHOOL—Bd. Educ., Chatham Co., 2 story, basement, 82 x 300 ft., with 32 x 117 ft. wing, rein.-con., hollow tile, brick, cut art stone trimming, to Artley Co., 504 East Bay St., with auditorium $277,000 without auditorium $213,000. Noted Oct. 25.

La., Lafayette — SCHOOLS — Bd. Educ. Lafayette Parish, c/o Secretary, 2 story, brick, concrete, stucco school, at Youngsville, to L. W. Eaton, 1601 North Boulevard, Baton Rouge, $48,715; 1 story, frame, stucco school, and repairing existing school, Duson, to J. B. Mouton, Lafayette, $[illegible] 489; 2 story, basement, brick, concrete school, Judice, to P. Oliver & Son, Lake Charles, $60,785; two 2 story, brick, concrete schools, one at Scott, and other at Milton, to E. E. Rabalais, Bunkie, $[illegible] and $34,890 respectively. Grand total $[illegible] 127. Noted Oct. 25.

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Federal Government Work

Proposed Work

Mass., Nantucket—RADIO TOWERS—District Pub. Wks. Building 39, Navy Yard, Boston, rejected bids 2 steel radio towers, at Surfside Section.

N. J., Raritan—QUARTERS and HOSPITAL—Constructing Quartermaster, Raritan Arsenal, quarters and hospital. $150,000. Noted Sept. 27.

Del., Cape Henlopen — ROAD and TRESTLES—Spec. 5696—Bureau Yards & Docks, Navy Dpt., Wash., D. C., cinder road and timber trestles, Naval Radio Compass Station.

Bids Asked

N. Y., Plattsburg—POST OFFICE—Dec. 26, by Treas. Dpt., at office Supervising Archt., Wash., D. C., post office and custom house; adv. E.N.-R. Nov. 29.

S. C., Charleston—ENGINES—Dec. 18, by Superintendent Lighthouses, 2 full Diesel marine propelling engines, 1 electric motor driven air compressor, accessories and fittings for Lighthouse Tender Palette.

Ky., Fort Thomas (br. Newport) — WATER TOWER—Dec. 5, by Constructing Quartermaster, repairing Water Tower Building 16.

California—ROAD—Dec. 6, by Bureau Pub. Rds., Dpt. Agriculture, 807 Sheldon Bldg., San Francisco, grading Morgan Springs Sect. Route 18, Paynes Creek-Susanville, Natl. Forest Hy.

Bids Received

N. Y., New York—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., Nov. 20, 409,000 cu.yd. in Harlem River, from J. S. Packard Dredging Co., 1034 Turks Head Bldg., Providence, R. I., $222,345. Noted Oct. 25.

Pa., Pittsburgh—LOCK—U. S. Engineer Office, Nov. 19, Lock 7, Allegheny River, from Dravo Contg. Co., Neville Island, Pittsburgh, $719,035. Noted Oct. 25.

Delaware — JETTY — U. S. Engineer Office, Wilmington, Nov. 5 repairing north jetty at entrance to Wilmington Harbor, Christiana River, from F. R. Jones, 1209 King St., Wilmington, at $0.55 per lin.ft. Noted Oct. 11.

D. C., Wash.—BARGES—U. S. Engineer's Office, 1068 Navy Bldg., Nov. 15, 2 steel barges at U. S. Engineer's Wharf, from Atlantic-Ellis Channel System, Inc., 33 Rector St., New York, $9,750 (140 days). Noted Oct. 25.

D. C., Wash. — SEAWALL FOUNDATION — U. S. Engineer Office, Navy Bldg., 33,500 tons riprap seawall foundation along Potomac and Anacostia Rivers, from McLean Contg. Co., Fidelity Bldg., Baltimore, Md., Class A at $4.25 per ton; from Columbia Sand & Gravel Co., 3036 K St. N. W., Class B and C $3; from Smoot Sand & Gravel Co., 3020 K St., N. W., Classes A, B and C combined $2.59. Noted Oct. 25.

D. C., Wash.—TENDER—Bureau Lighthouses, hull for tender Althea from New London Ship & Engine Co., Groton, Conn., $50,950 (10 to 210 days); main propelling machinery, from Winton Engine Co., 2116 West 106th St., Cleveland, O., $13,000; diesel engine — driven generator, from Cummings Engine Co., Columbus, Ind., $2,773; fire deck and bilge pump, from Worthington Pump & Mchy. Co., Homer Bldg., $1,388; cargo hoister, from Amer. Eng. Co., Aramingo and Cumberland Sts., Phila., Pa., $2,550 (12 weeks).

Ky., Nicholasville — ADDITION—Quartermaster Dpt., Jeffersonville, Ind., Nov. 15, addition, installing hot water heating in Camp Nelson Natl. Cemetery, from Simpson-Willis Lumber Co., Nicholasville, $3,093. Noted Nov. 8.

Ia., Newton — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 22, U. S. Post Office, from McGough Bros., St. Paul, Minn., $109,561. Noted Oct. 25.

Ark., Conway — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., post office, from C. Weitz's Constr. Co., 713 Mulberry St., Des Moines, Ia., $79,560. Noted Oct. 25.

Federal Government Work (Continued)

Colo., Denver — GATES and HOISTS — Dpt. Interior, Bureau Reclamation, Nov. 2, gates and hoists for Harper Diversion Dam Vale Project, Ore., and gate hoists for headworks and other structures on main canal, Kittitas Div., Yakima Project, Wash., Items 1 and 3, from Earle Gear & Machine Co., 4707 Stenton Ave., Phila., Pa., $6,500 and $2,641 respectively; Items 2 and 4, from Foote Bros. Gear & Machine Co., 213 Curtis St., Chicago, Ill., $12,656 and $3,175 respectively; Item 5, from Wm. A. Box Iron Wks., 3309 Blake St., Denver, Colo.; Item 6, from Hardie-Tynes Mfg. Co., 800 North 28th St., Birmingham, Ala., $10,-368. Noted Oct. 4.

N. M., Santa Fe—EXTENSION—Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, extending U. S. Court House, from J. V. Grogan, Las Vegas, $164,432. Noted Oct. 18.

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, Nov. 8, constructing road, Idyllwild Natl. Forest Hy., Route 72, Sect. B, Riverside Co., from C. G. Willis & Sons, Inc., 2119 East 25th St., Los Angeles, $48,141. This corrects report in Nov. 22 issue.

Contracts Awarded

N. Y., Brooklyn—COAL HOPPER—Spec. 5734—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing coal hopper at Naval Hospital, to Diamond & Barash, 60 Bergen St., $1,096 (30 days). Noted Oct. 25.

N. C., Winston-Salem — WATER PIPING — Treas. Dpt., at office Supervising Archt., Wash., D. C., at U. S. Post Office, to J. L. Powers, Bennettsville, $2,660 (130 days). Noted Oct. 25.

Mich., Wyandotte — POST OFFICE — Treas Dpt., at office Supervising Archt., Wash., D. C., post office, to Dunlap & Co., Inc., Columbus, Ind., $57,864 (360 days). Noted Nov. 15.

Unclassified

Proposed Work

DISTRIBUTION LINES — **New York** — Syracuse Lighting Co., 421 South Warren St., Syracuse, extending gas distribution lines from Syracuse, through Saline to North Syracuse and Clay; also extending 6 mi. electrical distribution system from De-Ruyter to Linckaen, Chenango Co.

DOCKS and PIERS—**New York, N. Y.**—White Star Line, M. Ham, in charge, Pier 61, North River, new piers, docks. $1,000,000.

PARKS—**Caldwell, N. J.**—Essex Co. Park Comn., 810 Broad St., Newark, grading, sodding, seeding, for park construction. $100,000. Private plans.

TERMINAL—**Jersey City, N. J.**—Bd. City Comrs., City Hall, grading, paving, railroad tracks, sewage facilities for industrial terminal at Boyles Thirty Acres. $200,000. C. A. Van Keuren, city engr.

PARK SYSTEM—**Newark, N. J.**—Bd. City Comrs., City Hall, park system along Waverly Ave. $500,000. J. W. Costello, city engr.

PARK IMPROVEMENTS — **Paterson, N. J.**—Bd. Park Comrs., City Hall, grading, curbing, paving, retaining walls, enclosure for deer, in various parks. $70,240. F. W. Loede, city engr.

STADIUM—**Richmond, Va.**—Richmond Stadium Corp., c/o Lee, Smith & Vandervort, archts., 6th. and Franklin Sts., soon lets contract (1st unit) stadium. $100,000-$150,000. G. Haddon, 607 5th Ave., New York, engr.

RAMP—**Charleston, W. Va.**—City Council authorized Chesapeake & Ohio R.R. Co., C. W. Johns, ch. engr., Richmond, Va., ramp at passenger station on south side of Kanawaha River. $86,000. Cost to be borne by above railroad company and city. City to refund half of cost within 2 years.

STADIUM—**Athens, O.**—Ohio State University, 15,000 seating capacity, rein.-con. stadium. $40,000. Osborn Eng. Co., 701 Euclid Ave., Cleveland, engrs.

BACKWATER GATES—**Detroit, Mich.**—See "Sewers."

BATH HOUSE—**Detroit, Mich.**—Owner, c/o A. A. French, archt., 730 Michigan Theatre Bldg., 4 story, basement, rein.-con., brick, plain found., Verner Hy. $150,000.

STADIUM and ATHLETIC FIELD—**St. Louis, Mo.**—City, c/o F. W. Pape, park comr., Municipal Courts Bldg., preliminary plans rein.-con. stadium to encircle athletic field, 1,050 ft. long, 500 ft. wide, in Forest Park along River DesPeres near intersection Oakland and Clayton Aves. $250,000. Private plans.

ATHLETIC FIELD STADIUM — **St. Louis, Mo.**—St. Louis University, c/o C. H. Cloud, 207 North Grand Blvd., preliminary plans rein.-con. stadium, athletic field, Oakland and Berthold Aves. Private plans.

NATURAL GAS PIPE LINE — **Texas and Mexico** — Moody-Seagraves Co., Galveston, surveys 140 mi. 14 in. gas pipe line from south Texas fields to Monterey, Mexico. $3,500,000. Munoz & Martinez, Monterey, Mexico, engrs. Owners will be known on Mexico side as Cia Mexicana de Gas S. A. Noted Aug. 9.

LAND DEVELOPMENT — **Port Arthur, Tex.**—Gist Realty Co., Port Arthur, developing 200 acre sub-division, incl. gas mains, pipe $15,000, water mains $15,000, sewers $25,000, paving $25,000. Private plans.

REGULATOR STATIONS and GAS MAINS—**Pueblo, Colo.**—Pueblo Gas & Fuel Co., A. M. Talbott, mgr., appropriated $200,000, regulator stations and gas mains. L. F. Babcock, 122 West 5th St., engr.

SWIMMING POOL — **Hamilton, Ont.** — Bd. Parks Management, 21 Main St. E., 75 x 300 ft. rein.-con. swimming pool, in Scott Park. $100,000. W. L. McFaul, City Hall, engr.

WHARFS, etc.—**Prescott, Ont.**—See "Excavation, Drainage, Irrigation, Levees, Rivers and Harbors."

POWER DEVELOPMENT — **Quebec, Que.** — Shawinigan Eng. Co., Jean d'Arc St., Montreal, surveys 600,000 hp. development in St. Maurice Valley.

Bids Asked

WADING POOL, etc. — **Astoria** (sta. Long Island City), **N. Y.**—Dec. 4, by W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, wading pool and walks adjoining Shore Rd., also tennis courts, Astoria Park.

BATH HOUSE—**Babylon, N. Y.**—Dec. 1, by Long Island State Park Comn., Belmont Lake State Park, bath house and supporting buildings at Jones Beach State Park, Nassau Co. Former bids rejected. Noted Oct. 25.

HEATING, etc.—**New York, N. Y.**—Dec. 3, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, heating, ventilating, for P. S. 92, Clinton Ave., East 178th and 179th Sts., for Bd. Educ., 500 Park Ave.

SAFETY GATES, etc.—**South River, N. J.**—Dec. 6, by Bd. Freeholders Middlesex Co., County Record Bldg., New Brunswick, new safety gates, reconstructing fender system, South River Draw Bridge over South River, Sayreville Twp. and South River Boro. W. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.; adv. E. N.-R. Nov. 29.

LIGHT and POWER PLANT EQUIPMENT—**Portland, Ind.**—Dec. 3, by Common Council, 1,500 kw. condensing steam turbine direct connected to 1,500 kw.-1,875 kva., 80 power factor, 3 phase, 60 cycle, 2,300 volt, 3,600 r.p.m. alternating current generator; switchboard; 4,200 sq.ft. surface condenser, $55,000; 2,000 kw. condensing steam turbine direct connected to 2,000 kw. 2,500 kva. 80 power factor, 3 phase, 60 cycle, 2,300 volt, 3,600 r.p.m. a.c. generator, exciter and switchboard, 5,500 sq.ft. surface condenser, $65,000.

LOADING DOCK, etc.—**Detroit, Mich.**—A. Kahn, archt., 1000 Marquette Bldg., bids about Dec. 3, 15 x 600 ft. rein.-con., steel car loading dock, rein.-con. slab on rein.-con. piers, 2,200 ft. new track, 200 sq.yd. concrete paving, for Dodge Bros. Div. Chrysler Motor Car Corp., Mt. Elliott Ave. $50,000.

UNDERPASS—**Ft. Worth, Tex.**—City, O. E. Carr, mgr., and Chicago, Rock Island & Pacific R.R. Co., C. A. Morse, ch. engr., Chicago, Ill., bids about Jan. 1, underpass on East 4th St. and Rock Island Ry. Crossing. $175,000.

GAS LINE—**Colorado**—Colorado Interstate Gas Co., Colorado and Exposition Aves., Denver, taking bids natural gas line from Rocky Ford to La Junta. Noted Nov. 15.

STREET LIGHTING SYSTEM — **Los Angeles, Calif.** — Dec. 10, by Supervs. Los Angeles Co., 244 pressed steel lighting standards on Woods Ave. et al. $28,539. G. W. Jones, Hall of Records Bldg., engr.

LIGHTING SYSTEM—**Sacramento, Calif.**—City, bids about Dec. 1, ornamental lighting system on J St. from 9th to 16th Sts., and L St. from 10th to 15th Sts. $40,-000. H. A. Kleugel, city mgr.

LIME KILN—**Limehouse, Ont.**—Beechville White Lime Co. Ltd., Beechville, taking bids, stone lime kiln.

GRAIN ELEVATOR—**Collingwood, Ont.**—Dec. 6, by T. W. Foran, sec., 805 C.P.R. Bldg., Toronto, 2,000,000 bu. grain elevator, rein.-con. on water front, for Collingwood Terminals, Ltd. $1,000,000. C. D. Howe & Co., 712 Whalen Bldg., Port Arthur, engrs.

Contracts Awarded

FOUNDATION — **Chicopee, Mass.** — See "Buildings—Educational, Religious."

TIES—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., treated and untreated ties in Central Park West, to Union Lumber Co., Grand Central Terminal, $71,631 and $19,982 respectively. Noted Nov. 22.

BATH HOUSE — **Detroit, Mich.** — Dpt. Parks & Blvds., Water Bd. Bldg., superstructure 1 story, 80 x 240 ft., rein.-con., brick, steel, stone, to Lendzon Constr. Co., 5765 Chene St., $158,500. Noted Nov. 22.

GAS PIPE LINE—**Arkansas**—Arkansas Natural Gas Co., c/o J. R. Munce, pres., Shreveport, La., 60 mi. 12.75 in. gas pipe line between Eldorado and Emmett, to Booth & Flinn, 1942 Forbes St., Pittsburgh, Pa.

OIL PIPE LINE, etc.—**Texas**—Roxana Petroleum Co., City Natl. Bank Bldg., San Antonio, 45,000 tons 10 in. pipe for portion 450 mi. oil pipe line, to Youngstown Sheet & Tube Co., Stambaugh Bldg., Youngstown, O.; 4,000 tons steel for refinery plant to be built near Houston, to United Iron Wks., Inc., 301 Ridge Arcade, Kansas City, Mo.; smaller tonnage to National Tube Co., Frick Bldg., Pittsburgh, Pa. Noted Nov. 8.

FILL—**Aberdeen, Wash.**—City Council, fill on Dist. 3, South Aberdeen, to Wright Constr. Co., Aberdeen, $93,000.

TUNNEL—**Seattle, Wash.**—Bd. P. Wks., Montlake Tunnel under Lake Washington Canal, to Stoner & Yonlick, Green Bldg., $53,824.

CAUSEWAY—**San Diego, Calif.**—Causeway over Mission Bay, Job known as A. & I. Dist., to Noble & Rhodes, Inc., 412 John D. Spreckles Bldg., $665,349. Noted Nov. 1.

Materials

Bids Asked

CEDAR POLES—**Detroit, Mich.**—Dec. 7, by J. E. Mills, comr. Purchases & Supplies, Water Bd. Bldg., Randolph St., sixty 40 ft. cedar poles, f.o.b. Detroit.

LUMBER, etc.—**Osceola, Ia.**—Dec. 5, at office Auditor Clarke Co., 203,000 ft. Douglas fir lumber, 2,000 ft. red cedar piling. E. C. Henningsen, Osceola, co. engr.

LUMBER, etc.—**Sigourney, Ia.**—Dec. 3, at office Auditor Keokuk Co., 196,050 ft. bridge plank, 6,833 ft. timber, 10,650 ft. cypress piling, 13,330 ft. dimension lumber, 4,978 ft. corrugated culvert pipe. R. C. Fye, Sigourney, co. engr.

Bids Received

FUEL OIL, MINERAL AGGREGATE, etc. — **Long Island City, N. Y.** — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Nov. 20, 80,000 gal. fuel oil, from Texas Co., 17 Battery Pl., New York, $4,000; 2,000 cu.yd. mineral aggregate, from E. B. Simpson, Lawrence St., Flushing, and from Colonial Sand Co., 13-12 23rd St., Brooklyn, $4,900 each. Noted Nov. 15.

BROKEN STONE—**St. George, N. Y.**—J. A. Lynch, pres. Richmond Boro, Boro Hall, Nov. 21, 800 cu.yd. ¾ in. broken stone, from J. E. Donovan, 2207 Richmond Terrace, Port Richmond, $2,184. Noted Nov. 15.

Contracts Awarded

CRUSHED STONE, REFINED ASPHALT, etc.—**Toronto, Ont.**—City, mineral dust, bagged, to Gordon Crushed Stone Co., Confederation Life Bldg., at $5.90 per ton; crushed stone, to T. Langton, Coldwater, $1.70; refined asphalt f.o.b. cars, to Imperial Oil Co., 56 Church St., $19 per ton in tank cars, $23.16 per ton in metal containers; portland cement, to Canada Cement Co., Northern Ontario Bldg. and Alfred Rogers, Ltd., 357 Bay St., $2.78 per bbl.; sand to be purchased in open market. Est. $150,000.

Foreign

Poland — Director M. Sachnowski, ul. Emilji Plater 5 m.7, Warsaw, plans rebuilding existing plant producing lacquer and paints, wants catalogues for equipment for boiling oil and melting copal, with electric heating.

See proposal advertising on page 108

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P.I.W.
PETROLEUM CONTRACTORS

Water Supply That Meets Your Needs

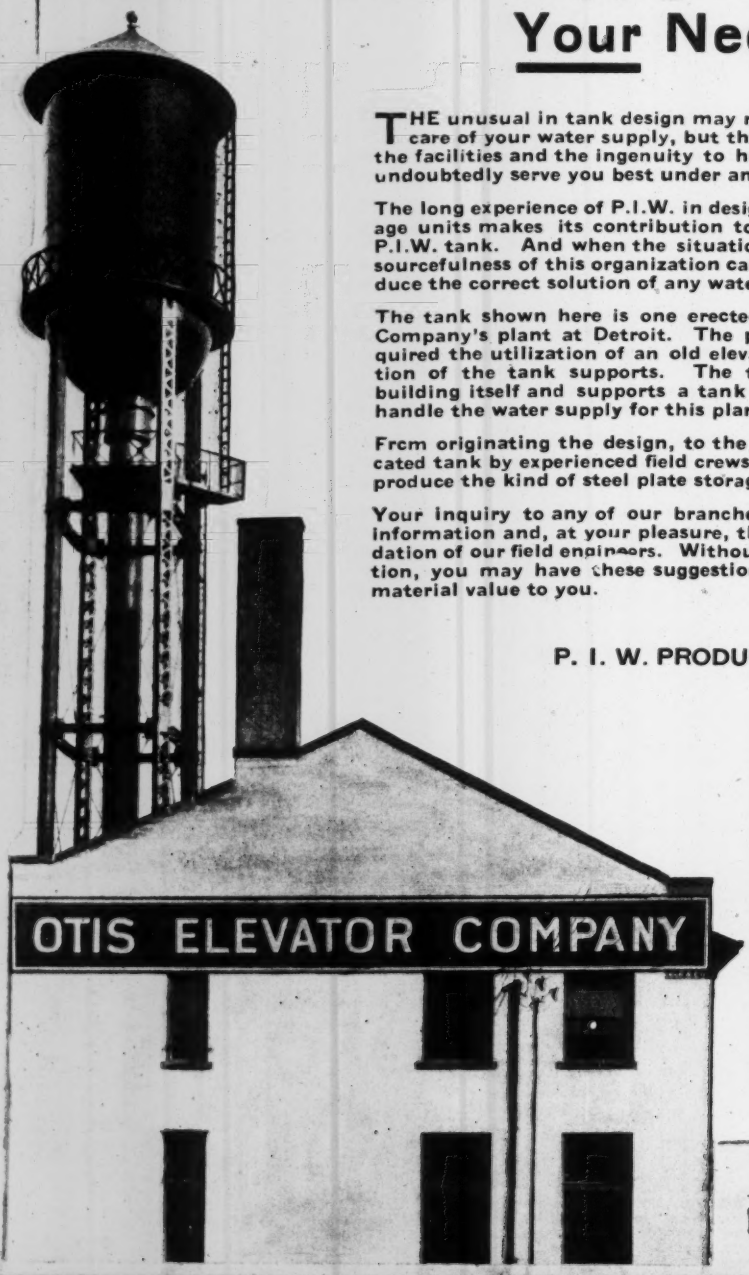
THE unusual in tank design may not be required to take care of your water supply, but the organization that has the facilities and the ingenuity to handle the unusual can undoubtedly serve you best under any circumstances.

The long experience of P.I.W. in designing and erecting storage units makes its contribution to the building of every P.I.W. tank. And when the situation demands it, the resourcefulness of this organization can be counted on to produce the correct solution of any water storage problem.

The tank shown here is one erected at the Otis Elevator Company's plant at Detroit. The placing of the tank required the utilization of an old elevator shaft for the location of the tank supports. The tower rises out of the building itself and supports a tank designed especially to handle the water supply for this plant.

From originating the design, to the erection of the fabricated tank by experienced field crews, P. I. W. is equipped to produce the kind of steel plate storage unit you need.

Your inquiry to any of our branches will bring complete information and, at your pleasure, the personal recommendation of our field engineers. Without incurring any obligation, you may have these suggestions which may prove of material value to you.



P. I. W. PRODUCTS

ELEVATED WATER TANKS
STANDPIPES
PRESSURE PIPE LINES
PENSTOCKS
OIL REFINING EQUIPMENT
CHEMICAL PROCESSING EQUIPMENT
DIGESTERS
CREOSOTING CYLINDERS
BLAST FURNACE EQUIPMENT
DRYERS
AUTOCLAVES
EXCHANGERS
ANNEALING BOXES
KILNS
GALVANIZING KETTLES
FLUMES
RETORTS
LEAD POTS
STILLS—8 in. THICK WALLS
SPHERICAL VESSELS
PRESSURE VESSELS
VACUUM VESSELS
TANKS UP TO 120,000 BARRELS CAPACITY
PENNSYLVANIA TANK CARS
STEEL BARRELS AND DRUMS
GENERAL STEEL PLATE CONSTRUCTION

BRANCH PLANT
BEAUMONT, TEXAS.

THE
PETROLEUM IRON WORKS
COMPANY
SHARON, PA.

NEW YORK
CHICAGO

HOUSTON
TULSA

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Schools, St. Louis, Mo., Bd. Educ., c/o Superintendent of Instruction Maddox, sketches, $10,450,000.

Sewers, Michigan, Oakland, Macomb, Lapeer and St. Clair Counties, $9,000,000.

Gas line, Tennessee, Memphis Natural Gas Co., subsidiary Union Utilities Inc., New York, surveys, $8,000,000.

Incinerators, New York, N. Y., Bd. Estimate & Apportionment, $5,000,000 voted.

Office, St. Louis, Mo., J. M. Robertson, $3,500,000.

Bridge, Lima, O., preliminary survey, $3,000,000.

Heating plant, Cincinnati, O., Union Gas & Electric Co., $2,000,000.

Hospital, Newark, N. J., Newark Memorial Hospital, sketches, $1,250,000.

Factory, Kearny (sta. Arlington), N. J., Western Electric Co., New York, soon lets contract, $1,250,000.

Hospital, St. Louis, Mo., City, c/o Bd. P. Service, bids early in 1929, $1,200,000.

Hotel, New York, N. Y., New York City Baptist Mission Society, $1,100,000.

Hotel, Rochester, N. Y., J. Jorastow, $1,000,000.

Roads, Clarendon, Tex., Donley Co., defeated $1,000,000.

College, New York, N. Y., Columbia University, $1,000,000.

Temple, St. Louis, Mo., Jewish Congregation, sketches, $1,000,000.

Warehouse, Quebec City, Que., Canada Cement Co., Ltd., Montreal, $1,000,000.

Apartment, Brooklyn, N. Y., Garfield Park Corp., $1,000,000.

Administration, Baltimore, Md., Johns Hopkins University, sketches, $1,000,000.

Factory, Chicago, Ill., Pines Winterfront Co., $1,000,000.

Bids Asked

Y. M. C. A., New York, N. Y., bids about Dec. 14, $1,500,000.

Hospital, Belleville (br. Newark), N. J., Bd. Freeholders Essex Co., bids about Jan. 15, $1,000,000.

Bids Received

State office, Albany, N. Y., A. E. Smith, Governor and chn., State Building & Sites Comn., from Seglin-Harrison Constr. Co., Buffalo, and others, Proposal 1, $1,083,276, Proposal 2, $1,079,246.

Contracts Awarded

Studio, Westwood, Calif., W. Fox Film Corp., to G. Miller, Beverly Hills, $10,000,000.

Gas line, Tennessee and Louisiana, Memphis Natural Gas Co., subsidiary Union Utilities Inc., New York, separate contracts and day labor, est. $8,000,000.

Warehouse and freight terminal, Jersey City, N. J., Delaware, Lackawanna & Western R.R. Co., New York, general contract to Turner Constr. Co., New York, est. $4,500,000.

Club, store and office, Chicago, Ill., K. M. Vitzhum & Co., archts., general contract to McLennan Constr. Co., for La Salle Club, est. $3,000,000.

Church and apartment, New York, N. Y., Church Eng. Co. (archt. and lessee), for Calvary Baptist Church, separate contracts, $2,500,000.

Subway, Brooklyn, N. Y., Bd. Transportation, New York, Sect. 5a, Route 109, to C. Petrillo Co., New York, $2,019,977.

Roads, Edinburg, Tex., Hidalgo Co., to W. L. Pearson & Co., Corpus Christi, $1,827,448.

Apartment, Chicago, Ill., Leichenko & Esser, archts., general contract to C. B. Johnson & Son, for Sixteen Hundred Forty East Fifty-Sixth Street Building Corp., est. $1,500,000.

Exhibition hall, St. Louis, Mo., Forest Park Highlands Exhibition & Amusement Co., general contract to Boaz-Kiel Constr. Co., est. $1,500,000.

Hospital, Essondale, B. C., Deputy Minister, Provincial Govt., Victoria, and P. Philip, engr., Victoria, to Pacific Engrs. Ltd., Vancouver, $1,452,996.

Mill and power plant, Euclid (br. Cleveland), O., Chase Brass & Copper Co., to Austin Co., Cleveland, est. $1,250,000.

Carbonization plant, Coatesville, Pa., International Combustion Corp., New York, day labor, to exceed $1,000,000.

College, New York, N. Y., Columbia University, H. L. Norris, in charge, to T. O'Reilley, est. $1,000,000.

Hotel, Toledo, O., Stevens Hotel Co., c/o archt., to H. J. Spieker & Co., est. $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 303.

Construction News of the Week

Waterworks

Proposed Work

O., Euclid (br. Cleveland)—Upson Water Co., c/o A. Greene of Chase Brass & Copper Co., Waterbury, Conn., 1½ mi. 30 in. water line. F. A. Pease Eng. Co., Terminal Tower Bldg., Cleveland, engrs.

O., Toledo — Lucas Co. selling $26,770 bonds, Dec. 6, water supply line. C. L. Sawyer, Court House, co. engr.

Ind., Mishawaka—For 3 m.g. reservoir. Burns & McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, Mo., engrs.

Ill., Bloomington—Bids in spring 5 m.g. water purifying and softening plant. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, engrs.

Ia., Cedar Rapids — Bids in February, new waterworks, 12 m.g. water softening plant. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs. $500,000 Noted Sept. 20.

Minn., Montgomery—See "Unclassified."

S. D., Vermilion—Filtration plant. $16,000. C. I. Vaughn, city aud.

Mo., Billings — Preliminary plans purchasing supply from private owner, install booster pump, tank on tower, distribution system. $35,000. G. W. Fletcher, Union Natl. Bank Bldg., Springfield, engr.

Mo., Norborne—Preliminary plans waterworks, distribution system. $50,000. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs.

Mo., Wellsville — Preliminary plans waterworks, distribution system. Rollins & Co., Ry. Exch. Bldg., Kansas City, engrs.

Tex., Midland—Preliminary surveys and election soon $70,000 improving waterworks, incl. renewing distributing system, pumping equipment, etc. Address B. F. Haag, mayor.

Colo., Colorado Springs—For 4 mi. 20 in. steel pipe line from South Ruxton Reservoir to Ruxton Park hydro-electric plant near here. $40,000. F. O. Ray, city engr.

Wash., Bremerton — Surveys extending waterworks. J. O. Baar, Bremerton, consult. engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ont., Niagara Falls — Water Com., A. Collins, chn., 981 Jepson St., new waterworks system, incl. pump house and filtration plant. $450,000. F. A. Dallyn, 71 King St. W., Toronto, engr. Noted July 5.

Bids Asked

N. J., Newark—Dec. 20, by North Jersey Dist. Water Supply Comn., 24 Commerce St., portions Wanaque Aqueduct. Fuller & McClintock, engrs. M. R. Sherrerd, consult. engr.; adv. E. N.-R. Dec. 6.

O., Camp Perry (br. Port Clinton) — Dec. 10, by F. D. Henderson, adj. genl., pump and power unit for Water Works Dpt. $25,000. R. S. Beightler, State House, Columbus, engr.

Ill., Waterloo—Bids about Dec. 15, waterworks improvements, distribution system. $35,000 bonds voted. W. A. Fuller Co., 1912 Railway Exch. Bldg., St. Louis, Mo., engrs. Noted Oct. 25.

Kan., Randall—Dec. 10, by City Clerk, 11,975 ft. 2- to 8-in. c.i. pipe, 7,500 lb. specials, 18 valves and boxes, 18 hydrants, 30,000 gal. tank on tower, pump house. $21,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted Nov. 22.

Tex., Amarillo—City, c/o J. D. Bartlett, mgr., bids about Dec. 10, improving waterworks, incl. 2 mi. 24 in. pipe to Wells 8, 9 and 10, each equipped with air lift pumps, installing compressor. $100,000. H. B. Jones, City Hall, city engr. Wynkoop Kiersted, 614 Interstate Bldg., Kansas City, Mo., consult. engrs.

Tex., Benjamin—Dec. 18, by City Council, c/o J. B. Jones, mayor, complete waterworks, incl. earth dam, 40,000 cu.yd. embankment, distribution system, incl. c.i. pipe, gate valves, hydrants, and fillings; one 200 g.p.m. centrifugal pump against 120 ft. head, belt driven by 25 hp. engine, and 50,000 gal. capacity steel tank on 100 ft. tower, and foundations for same. Noted Oct. 11.

Okla., Gould—Dec. 20, by A. R. Reeves, city clk., new waterworks, incl. 41,500 ft. 2- to 6-in. c.i. pipe, 2 triplex pumps, 50,000 gal. elevated and 40,000 gal. steel surface tanks. $59,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 12.

B. C., Vancouver — Dec. 11, by City Council, 25,000 ft. 6-in. c.i. pipe; one hundred 6-in. hub end gate valves; 500 imp. g.p.m. sewage pump, automatic control, etc. C. Brackenridge, City Hall, engr.

Bids Received

R. I., Warwick—Town Clerk, Town Hall, c.i. mains, appurtenances, incidental work for water supply, from H. W. Golden, &

See proposal advertising on page 151

Constr. News page 297

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

A satisfied customer for more than 20 years

This one concern has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints. Working pressures exceeding 200 pounds.

The Pennsylvania Water Company, Wilkinsburg, Pennsylvania, has been a satisfied user of Leadite for over 20 years.

It has laid more than 100 miles of c. i. bell and spigot water mains with Leadite joints; sizes have varied from 4" to 42" in diameter.

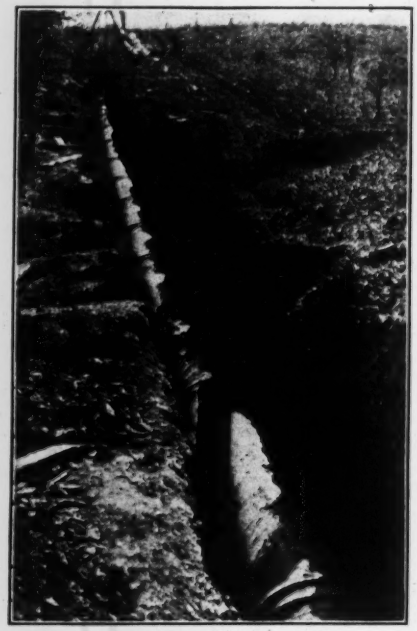
It has working pressures up to and exceeding 200 pounds per square inch.

The Pennsylvania Water Company makes a systematic water waste survey of its system each year which shows the tightness of the mains laid underground.

The Pennsylvania Water Company usually lays its pipe with its own forces, but the 20" line, shown in the accompanying picture, was laid by a contractor and with most excellent results.

This line was tested and the leakage on this line ranged from 1/3 to 1/10 of the allowable leakage as ordinarily specified.

Mr. W. C. Hawley is Chief Engineer and General Superintendent of the Pennsylvania Water Company.



Section of 33,000 feet of 20 in. c. i. bell and spigot water main laid by contractor for the Pennsylvania Water Company. Pressures ranging from 70 pounds to 225 pounds per sq. in.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c.i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . . Land Title Building . . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Waterworks (Continued)

Son, Inc., Burdett Ave., Troy, N. Y., $215,000. Noted Nov. 22.

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Nov. 27, mains in Avenue Q, Ditmas, Flatbush, Foster and Miller Aves., from Knight & DeMicco, Inc., 4197 Park Ave., New York, $8,411. Noted Nov. 22.

N. Y., Herkimer—Municipal Comn., C. L. Wood, supt., intake, distribution line and Herkimer Reservoir, from W. G. Fritz Co., Inc., 69 Main St., West Orange, N. J., $154,910, and from A. Phelps & Sons, Detroit, Mich., $98,809. Noted Oct. 18.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., Nov. 27, mains in Arlington, Benedick and Bronxwood Aves., from Knight & DeMicco, Inc., 4197 Park Ave., $10,325. Noted Nov. 22.

N. J., Jersey City and Newark—Joint Bridge Com., Hall of Records, Newark, new water line and tank on Jackson St. Bridge, and new water line on Bridge St. Bridge, from American Plumbing Co., Sip Ave., Jersey City, $41,899. Est. $50,000.

Contracts Awarded

N. Y., Long Island City — J. J. Dietz, comr., Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 52nd, 63rd, 78th Aves., to B. Costanzo, 115 117th St., Brooklyn, $5,200. Noted Nov. 15.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Mosholu and Tibberts Aves., to Beaver Eng. & Constg. Co., 51 Chambers St., $41,414. Noted Nov. 15.

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Atlantic, Barlow, Bement and Decker Aves., to G. V. Cornell, 30 Egbert Pl., $36,100.

N. Y., Stamford—Bd. Village Trustees, at office Village Clerk, 2.5 mi. 10 in. supply main, filter building addition, improving storage dam, to Harp & Conway Constr. Co., 660 Bway., Kingston, $61,800. Noted Oct. 25.

Mich., Detroit—Bd. Water Comrs., rein.-con. substructure at Water Works Park, to Mark R. Hanna Co., Ryan and Nevada Aves., $147,000. Noted Nov. 22.

Tex., Waco — City Water Bd., c/o C. Shear, chn., steel and earth dam across Bosque River to city water supply, to W. E. Callahan Constr. Co., Kirby Bldg., Dallas, $770,072. Est. $1,500,000. Noted Nov. 1.

Wash., Seattle—Bd. P. Wks., 100,000 gal. steel tank at Lake Youngs, to Chicago Bridge & Iron Wks., L. C. Smith Bldg., $18,331. Noted Sept. 6.

Wash., Seattle — Bd. P. Wks., East Prospect Street Pipe Line, Proposal 1, to L. Coluccio, 1642 Lane St. $109,895; watermain in 51st Ave. N., to S. A. Moceri, Inc., 924 23rd St., $25,673.

Wash., Seattle — Bd. P. Wks., Cedar River Pipe Line 2, Beacon Hill, removing pipe line from Beacon Hill Reservoir to Kenyon St., reconstructing improvement with creosoted wood staves, to L. Coluccio, 1642 Lane St., $176,874. Noted Oct. 11.

Sewers

Proposed Work

N. Y., Buffalo — G. Fisk, Municipal Bldg., sewers in Kenmore, Kensington and East Delavan Aves. C. E. P. Babcock, Municipal Bldg., engr.

N. J., Elizabeth — Bd. Pub. Wks., City Hall, preliminary plans sewage disposal plant. $25,000. T. Collins, city engr.

N. J., Hawthorne (Ind. br. Passaic) — Bd. Boro Council, Boro Hall, sewers. $300,000. W. Ferguson, 152 Market St., Paterson, boro engr.

N. J., Plainfield—Common Council, City Hall, preliminary plans sewers in Geneva Pl., Elizabeth St., Geneva and Columbia Aves., Charlotte, Randolph and Terrill Rds. $25,000. A. Vars, city engr.

N. J., Plainfield—Common Council, City Hall, preliminary plans sanitary sewers in Park Pl., Hillcrest and Stilford Aves. $25,000. A. Vars, city engr.

W. Va., Huntington—City plans sewers in Walnut Hill. $35,000. A. B. Maupin, city engr.

O., Bedford—Sewage disposal plant. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

O., Ravenna — Altering and extending sewage disposal plant. $25,000 or more. C. C. Homnon, 1403 Logan Ave. N. W., Canton, engr.

O., Toledo—Council, Sewer 1494, 9,290 ft. 36- to 114-in. circular in Sub-division A, 4,945 ft. 42- to 60-in. Sub-division B, 5,385 ft. 18- to 72-in. Sub-division C, and 2,753 ft. 42 and 48 in. Sub-division D; also bulkhead, storm water regulator chamber, 24 in. pipe connection to Ten Mile Creek Intercepting Sewers. $800,000. H. P. Jones & Co., 1601 2nd Natl. Bank Bldg., engrs.

Mich., Detroit—Dpt. P. Wks., 54,383 ft. 12- to 24-in. vitr. or concrete lateral sewers in alleys of City Blocks 5134, 5146, 5150, 5157, 5161, 5163, 5165, 5169, 5176, and 5181. P. A. Fellows, city engr.

Mich., Hastings—Sewage disposal plant, incl. brick pumping station, sedimentation tanks, sludge digestion department, $35,000. B. Sparks, city engr. Giffels, Hamilton & Webber, Grand Rapids Natl. Bank Bldg., Grand Rapids, consult. engrs. Noted Oct. 11.

Michigan — Oakland Co. (Pontiac) Macomb Co. (Mount Clemens), Lapeer Co. (Lapeer) and St. Clair Co. (Port Huron), 25 ft. oral arch section concrete covered drain in Red Run Creek from Twelve Mile Rd. to Bear Creek and Clinton River, also deepening Bear Creek and Clinton River for storm and sanitary drainage, near Pleasant Ridge. $9,000,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Tex., Corpus Christi—Preliminary plans 6 ft. concrete sewer in Del Mar Addition and section Bay Terrace. $38,000. H. L. Shaw, City Hall, engr.

Tex., Pampa—Concrete storm sewers in business district. $35,000. F. M. Gwin, Pampa, engr.

Tex., Port Neches—Bids after Dec. 1, sewerage system. $50,000. H. L. Thackwell, Jacksonville, engr. Noted Nov. 29.

Okla., Sulphur — Preliminary plans extending 21,000 ft. 8 and 10 in. vitr. clay sewers in Artesian Harland and Campbell Sts. $26,000 plus. B. Knox, city clk. Engineer not selected.

Calif., Redwood City—Sewers in Menalto Park in Ravenswood Dist. To exceed $25,000. G. A. Kneese, Redwood City, co. surv.

Calif., Santa Clara — For 18- to 30-in. diam outfall sewers from city to point of San Francisco Bay. $100,000. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Bids Asked

N. Y., Brooklyn—Dec. 12, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Farragut Rd. and East 93rd St.

La., New Orleans—Jan. 30, by Sewerage & Water Bd., at office A. G. Moffat, secy., 526 Carondelet St., lined and covered drainage canals, pipe lines in North Rocheblave St. and Mirabeau Ave. G. G. Earl, genl. supt.; adv. E. N.-R. Dec. 6. Noted Nov. 22.

O., Akron—Dec. 10, by F. E. Swineford, dir. Pub. Serv., 7,650 ft. 18- to 20-in. vitr. clay sewers in Hawkins Ave. and Right-of-Way; Little Cuyahoga River Intercepter between Ravine and East North Sts., 6,295 ft. 39 to 87-in. rectangular rein.-con. and vitr. clay pipe. A. B. Backherms, Municipal Bldg., engr.

O., Canton—Dec. 14, by Bd. Control, 1.25 mi. sanitary sewers in 25th St. N. W. and Monument Rd. N. W. $27,000. W. E. Sarver, City Hall, engr.

O., Canton—Dec. 12, by Comrs. Stark Co., 18,654 ft. 6 and 8 in. c.i. mains in Edgefield Sewer Dist. 3, Prospects 14 and 16. $50,000. G. Davison, Court House, engr.

Mich., Halfway—Dec. 11, by E. D. Millar, drain comr. Macomb Co., Mount Clemens, 4,057 ft. 8- to 72-in. monolithic concrete, concrete and vitr. sewer in Lorraine Arm—Nine Mile—Halfway Drain.

Tex., Port Neches—Taking bids improving waterworks, incl. c.i. pipe, tank and tower, filtration plant, pumping unit, etc. $70,000. H. J. Thackwell, Jacksonville, engr. Noted Nov. 29.

Tex., Stinnett—Dec. 11, by Bd. Comrs., L. Walters, mayor, well, booster pump, pump house, 50,000 gal. concrete reservoir, 50,000 gal. elevated tank on 100 ft. tower, distribution system. H. N. Roberts, Stinnett, engr. Noted Oct. 18.

Okla., Gage—Dec. 10, by City, 8- to 12-in. clay pipe sewers. $27,000. Devlin Eng. Co., 713 Fisk Medical & Professional Bldg., Amarillo, Tex., engr.

Okla., Gage—Dec. 17 (extended date), by O. Massey, mayor, 25,285 ft. 8- to 12-in. clay and tile sewers. $26,000. Devlin Eng. Co., 713 Fisk Medical & Professional Bldg., Amarillo, Tex., engrs. Noted Nov. 29.

Bids Received

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Nov. 26, from J. W. Szpantowicz, 490 Boulevard, sewers in Laurel Hill Ave., $6,656; from Lione Constr. Co., LaForge St., 44th Ave. $3,381, 61st St. $2,446, 99th St. $1,521, 170th St. $7,248, 125th St. $1,375; from Peace Bros., Inc., 57 North Lawrence St., Flushing, Forest Ave., $6,931; from D. A. Gross, 8515 Fulton St., Woodhaven, 91st St. $2,489, 132nd St. $470, 205th St. $1,859; from A. W. Matarazzo, 1163 61st St., 104th Ave. $4,365, 109th Ave. $1,752, 203rd St. $1,688. Noted Nov. 22.

N. J., Union—Twp. Com., Town Hall, Nov. 19, sanitary sewers in Morrison Ave., from Cestone Bros., Inc., 5 Clover Hill Pl., Montclair, $22,788. Est. $35,000. Noted Nov. 15.

O., Akron—See "Airports."

O., Cleveland—Comrs., Cuyahoga Co., Nov. 21, 27,000 ft. 8- to 42-in. sewers in Briar Cliff Subdivision 6 (Impvt. 800), from Pfaff Constr. Co., 1418 Lincoln Ave., concrete $103,674, brick $111,753, segment $107,675.

Contracts Awarded

Miss., Hazelhurst — Sanitary sewers in Georgetown St., to F. D. Harvey, 688 South Bellevue St., Memphis, Tenn., $49,046.

O., Akron — For 6,900 ft. 24- to 66-in. segmental block sewers, drains in airport in connection with agreement with Goodyear-Zeppelin Corp., to McAlonan Bros., 506 Woodland Ave., $71,022. Est. $108,000. Noted Apr. 19 under Unclassified.

O., Massillon—Sanitary sewer in Lincoln Way N. W., to Shullo & DeLuci Co., Akron, $28,923.

Wis., Greenwood—City Council, sanitary sewerage system, to P. Lametti, Globe Bldg., St. Paul, Minn., $34,800; two disposal plants, to J. E. Hammett, 5 12th Ave. N. E., North St. Paul, Minn., $15,000.

Wis., Milwaukee—Dpt. P. Wks., to Zimmermann & Zimmermann, 2826 State St., sewer in Locust St. $1,345, 61st St., $12,677; to Wenzel & Henoch, 498 27th St., Clement Ave., $3,107, East Wisconsin Ave. $2,336, Main St. $3,785; to General Contractors, 4728 Lisbon Ave., Sherman Blvd. $7,356. Grand total $30,606.

Wis., Milwaukee—Dpt. P. Wks., house connections in Adams and 10th Aves., to Klump & Johnston, St. Francis, $5,436 and $5,543 respectively; California St., to Wisconsin Sewer Constr. Co., 146 30th Ave., $4,934; 11th Ave., to T. G. Holton, 345 27th Ave., $9,074; Taylor Ave., to F. A. Goll, 223 18th St., $3,948; 9th Ave., to Kehrein Bros., Inc., 1096 23rd St. $6,156. Grand total $35,091.

Tex., Houston—Extending sewerage system in North Main St. and Houston Ave., to C. K. Horton, 2200 Clay St., $50,213. Noted Nov. 22.

Okla., Enid—Sewage disposal plant, to E. W. Baker & Co., Perrine Bldg., Oklahoma City, $43,930. Est. $50,000. Noted Aug. 9.

Okla., Garber—City, 3,500 ft. 15 in. vitr. clay, outfall sewers, sewage disposal plant, to C. Robeck Co., 408 Securities Bldg., Omaha, Neb., $24,854. Est. $90,000. Noted Nov. 8.

Wash., Seattle—Bd. P. Wks., trunk sewer in Madison St., to McEachern Constr. Co., Colman Bldg., $24,198.

Calif., Compton—Sewers in Pearl Ave. and Willow St., to S. C. Kruly, 326 North Hill St., Los Angeles, $43,573. Noted Nov. 1.

Calif., Los Angeles — Los Angeles Co., portion Crochett Blvd.-Glen Ave., trunk sewer from Oaks Ave. to Santa Ana Blvd., to Bebek & Brkich, 5011 East Slausson St., $36,979.

Waste Disposal

Proposed Work

N. Y., New York—Bd. Estimate & Apportionment, City Hall, 2 garbage incinerators in Bronx Boro and 2 in Manhattan Boro. $5,000,000 voted. A. Taylor, comr. Dpt. Street Cleaning, Municipal Bldg.

N. J., Clifton—Bd. City Council, City Hall, incinerator. $350,000. J. L. Fitzgerald, city engr

Bids Asked

N. Y., Brooklyn — Dec. 24, by Brooklyn Ash Removal Co., Inc., at Dpt. Street Cleaning, Municipal Bldg., New York, excavating, concrete foundations, buildings, superstructure, for complete incinerator plant, north of Avenue J, between East 57th and 58th Sts. E. L. Collins, engr. Noted Nov. 15.

Tex., San Angelo — Dec. 18, by City Comrs., incinerator. $25,000. City Eng. Dpt., c/o E. V. Spence, city mgr., engr. Noted Nov. 15.

Constr. News page 298

If *Results* Count, Here They Are!

One More Reason for Using *High-Early-Strength* Universal Concrete

Commercial Testing Laboratory Report

Note the *uniformly* high strengths obtained from test cylinders each of which was made from a different batch.

TELEPHONES ATLANTIC 0011 0012

WALTER H. FLOOD & CO.
CHEMICAL ENGINEERS
ROADS AND PAVEMENTS

932 EAST 44TH STREET
CHICAGO

October 6, 1928.

J. A. Ross Construction Co.
228 N. LaSalle Street
Chicago, Illinois.

Gentlemen:

No doubt you will be pleased to see the cylinder compression tests from the bridge-approach pavement you constructed at Bryn Mawr Avenue and the Sanitary Canal, Chicago. The results follow:

Date Placed: October 1
Date Broken: October 5

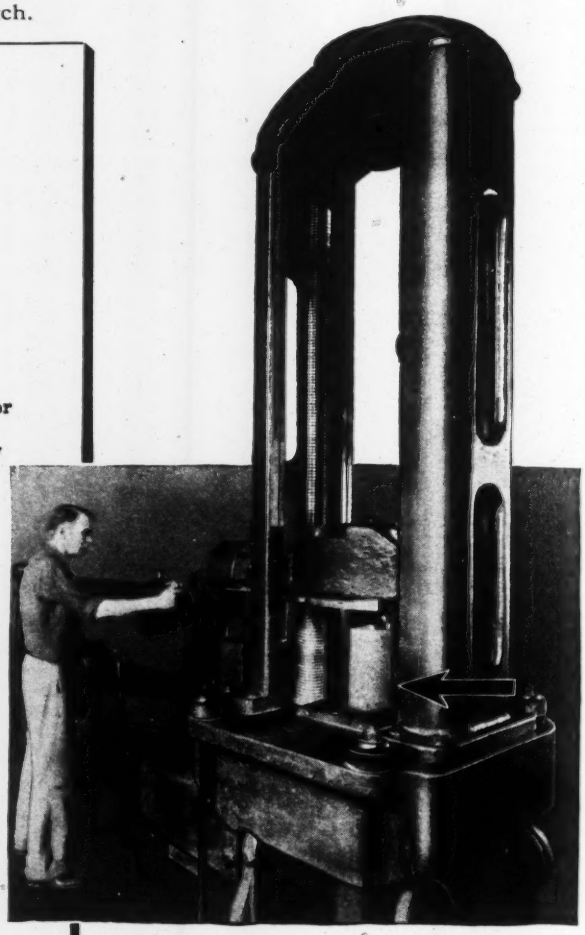
COMPRESSIVE STRENGTH. (Pounds per square inch)
Each cylinder made from a different batch.

Cylinder #1 - 2493
" #2 - 2581
" #3 - 2405
" #4 - 2390
" #5 - 2350
" #6 - 2390
" #7 - 2425
" #8 - 2440

These specimens show a well graded mixture and good compressive strength.

Respectfully submitted,

Walter H. Flood & Co.



Compressive Strength Testing Machine

Concrete as ordinarily mixed and placed reaches a compressive strength of about 2000 pounds per square inch in 28 days.

Tests on the above bridge approach show the *uniformly* high strengths that, with approved methods, can be obtained with the usual Universal cement in $^1/_7$ the time ordinarily required.

These *high-early-strength* methods will be sent on request. Send the coupon.

Please send me new booklet

Name

Address

Universal Portland Cement Co.
208 So. La Salle Street, Chicago
Without obligation, please send me new booklet giving full details for securing strong concrete in 3 days with the usual materials and labor.
F. N. R. 12-6-28

Universal Portland Cement Co.
SUBSIDIARY U. S. STEEL CORPORATION
Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

One Standard Cement for All Concretes and Mortars

Bridges

Proposed Work

Md., Baltimore—Steel bridge over Pennsylvania R.R., on Wilkins Ave. $165,000. N. L. Smith, City Hall, hys. engr.

Virginia—Richmond-Hopewell Bridge Co., 57 William St., New York, P. K. Schuyler, secy. and treas., steel vertical lift span highway toll bridge over James River between Richmond and Hopewell. $450,000.

O., Cleveland—W. R. Hopkins, city mgr., steel or rein.-con. bridge across Brookside Park. $500,000. J. M. Heffelfinger, City Hall, engr.

O., Lisbon—Columbia Co., 500 ft. concrete bridge in Fredericktown, $25,000; concrete bridge on East Palestine-East Liverpool Rd., south of Negley, $25,000 or more. L. C. Kirk, Lisbon, engr.

O., Toledo — City Council preliminary survey, plans high level bridge over Maumee River. Total $3,000,000. L. T. Owen, City Hall, engr. Noted Nov. 22.

Wisconsin and Minnesota — St. Croix Bridge Co., Grantsburg, bridge over St. Croix River connected Wisconsin Hy. 70 and Minnesota Trunk Hy. 9. To exceed $25,000. C. A. P. Turner, 300 Builders Exch., Minneapolis, Minn., engr.

Minnesota—State Hy. Comn., St. Paul, returned bids unopened which were to have been opened Nov. 20, Bridge 4800 over Minnesota River, State Project 70-21, south of Fairfax. Project postponed because of insufficient funds. Noted Nov. 8.

Tex., Galveston—Galveston, Houston & Henderson Ry. Co., S. J. Maas, Galveston, resident engr., steel bridge across Buffalo Bayou. $75,000.

Tex., Plainview—City and Santa Fe Ry., constructing 600 ft. long, rein.-con. and steel overpass over R.R. tracks, on Lee Hy. $150,000. L. O. Cox, Plainview, resident engr.

Okla., Bixby—Tulsa Co. (Tulsa) preliminary plans 8 span 130 ft. concrete bridge over Hilltop Creek, near here. $40,000. H. A. Parker, Court House, Tulsa, co. engr.

Calif., Salinas—Monterey Co., Gardinerville Bridge, $95,000; Elkhorn Bridge, $36,000. H. F. Cozzens, Salinas, co. engr.

Bids Asked

New Hampshire — See "Streets and Roads."

Virginia—Dec. 18, by State Hy. Comn., Richmond, bridge over West Branch Elizabeth River, Project S473; adv. E. N.-R. Dec. 6.

North Carolina—Dec. 18, by State Hy. Comn., Raleigh, rein.-con. bridges on Project 7302, Davie Co. $55,000—Project 663, Richmond Co., $37,000, and Project 326 Brunswicks Co. $56,200. L. R. Ames, Raleigh, engr.

South Carolina — See "Streets and Roads."

Tennessee—See "Streets and Roads."

Iowa — Dec. 11, by State Hy. Comn., Ames, 60 x 20 ft. pony truss bridge, U. S. Rd. 32, B-571 Cass Co.—6 bridges, 38 culverts, Primary Road 141, B-507 Crawford Co.—90 x 20 ft. pony truss bridge, concrete floor and abutments, Primary Road 59, B-155 Poweshiek Co.—40 ft. arch bridge, Primary Road 11, B-177, Winneshiek Co.—9 culverts U. S. Road 218, B-604 O'Brien Co. R. D. White, hy. engr.

Iowa—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Mo., Independence—See "Streets and Roads."

Texas—Dec. 17, by G. Gilchrist, state hy. engr., Austin, rein.-con. bridges on Hy. 23, Shackelford Co., $63,000, J. E. Pirie, Albany, resident engr.—bridges on Hy. 5, Wilbarger Co. $27,000, J. B. Nabors, Vernon, co. engr.—steel and rein.-con. bridges on Hy. 32, Freestone Co., $72,000, M. B. Hodges, Teague, resident engr. R. S. Sterling, Austin, chn. hy. com.

Tex., Corsicana — Dec. 15, by Comrs. Court Navarro Co., c/o J. W. Hick, judge, Corsicana, rein.-con. bridges, culverts on 12.39 mi. Cardinal Rd. 1, Unit 1, Sect. B. McClendon & Purnell, Corsicana, co. engrs.

Wash., Tacoma—Dec. 18, by State Hy. Com., Olympia, 137 ft. concrete cantilever beam span bridge carrying Tacoma Ave. over State Rd. 1, Pierce Co., incl. 56,000 cu.yd. excav. and backfill. S. J. Humes, state hy. engr.

Contracts Awarded

N. Y., New York — A. Goldman, comr. Plant & Structures, Municipal Bldg., reinforcing, reconstructing Kisco River Bridge over Kisco River to J. J. Farley Corp., Riverside Ave., Croton, $24,500. Noted Nov. 15.

New Jersey—State Hy. Comn., Trenton, substructure for bridge across Hackensack River from Jersey City to Newark, to Foundation Co., 120 Liberty St., New York, $920,000.

N. J., Marion (mail Jersey City)—Pennsylvania R.R. Co., T. J. Skillman, ch. engr. Broad Street Station, Phila., Pa. constructing masonry for pier New Hackensack River Bridge, to Arthur McMullin Co., 50 Church St., New York. Est. $1,000,000.

Ohio—See "Streets and Roads."

O., Youngstown—At office F. A. LaBelle, secy. Bd. Directors Mahoning Valley Sanitary Dist., 901 City Bank Bldg., Ohltown Viaduct, to Pitt Constr. Co., Empire Bldg., Pittsburgh, Pa., $280,604. Est. $300,000. Noted Sept. 13.

Wis., Milwaukee—Armour & Co., 2nd and Clybourn Sts., 250 ft. steel inclosed bridge, 12 ft., on Muskego Ave., to Theo. Stork & Co., 1816 Wisconsin Ave.

Iowa—State Hy. Comn., Ames, bridges in Cass Co., to Wickham Bridge & Pipe Co., Council Bluffs, $54,900—Warren Co., to B. Cole & Sons, Ames, $22,441—Winneshiek Co., to A. Olson Constr. Co., Waterloo, $10,495—culverts in Allamakee Co., to J. J. Grose, Des Moines, $13,746—Clayton Co., to T. Fisko, Garber, $21,000 — Fremont Co., to G. W. Condon Co., 415 Farnum St., Omaha, Neb., $5,290—Jackson Co., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $4,193 — Van Buren Co., to Jameson & Price, Keosauqua, $1,316 ——Winneshiek Co., to Christensen Bros., Tyler, Minn., $26,700. Grand total $160,081. Noted Nov. 22.

Minnesota—State Hy. Comn., St. Paul, Bridge 4573, over Shell Rock River, Albert Lea, to Minnesota General Contractors, 831 2nd Ave. S., Minneapolis, $24,461; Bridge 4390, over Mississippi River, Monticello, to Widell Co., Mankato, $151,939. Noted Nov. 8.

Neb., Plattsmouth — Plattsmouth Bridge Co., H. Schneider, pres., foundation for toll bridge over Missouri River, 250 ft. south of present Burlington R.R. Bridge, to Union Bridge & Constr. Co., 1205 Midland Bldg., Kansas City, Mo.; remainder of work, to Omaha Steel Wks., 4802 Leavenworth St., Omaha. Est. $700,000.

Mo., Independence — See "Streets and Roads."

Mo., Kansas City—Jackson Co., 4 rein.-con. bridges, to G. W. Condon Constr. Co., 223 Grain Exch., Omaha, Neb., $64,256.

Texas—G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridges in Dallas Co., to Austin Bridge Co., P. O. Box 1094, Dallas, $134,146—Hardin Co., to Brown-Abbott Co., Inc., 842 Wilson Bldg., Dallas, $72,777 —Goliad Co., to Word & Worrell, Itasca, $38,820—Leon Co., to H. R. Persifal & Co., Nacogdoches, $39,068. Grand total $284,811. Noted Nov. 15.

Washington—State Hy. Comn., Olympia, 180 ft. steel deck truss bridge with three 18 ft. steel I-beam approach spans over Morse Creek, Yakima Co., to C. G. Huber, 1001 Porter Bldg., Portland, Ore., $19,030. Noted Nov. 1.

Washington—State Hy. Comn., Olympia, redecking timber trestle approaches to Castle Rock Bridge, State Rd. 1, Cowlitz Co., to C. Bjork, 2437 West 63rd St., Seattle, $9,900—110 ft. concrete T-beam bridge over Curley Creek, Kitsap Co., to P. Manson & Son, 202 Grand Trunk Dock, Seattle, $25,682—grading, 6,000 cu.yd. State Rd. 2, King Co., to J. Paduano, 7301 Dibble Ave., Seattle, $2,705. Grand total $38,287. Noted Nov. 8.

Ont., Ottawa—Secretary Bd. Control, concrete, steel bridge, on Somerset St., to Farley & Grant, Bank Natl. Bldg., Rideau St., $119,025. Est. $150,000. Noted Nov. 1.

Railways

Proposed Work

West Virginia—Chesapeake & Ohio Ry. Co., C. W. Johns, ch. engr., Richmond, Va., third tracking in Huntington Division, $4,200,000; new locomotive repair and machine shops in Huntington, $3,500,000; new car repair shops at Russell, Ky., $3,100,000.

Louisiana — New Orleans, Texas & Mexico R.R. Co., subsidiary Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, Mo., constructing 82 mi. railroad from Baton Rouge to New Orleans.

Contracts Awarded

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, grading, bridges, culverts on 5.8 mi. new railroad from Illmo, Scott Co., to connect with old Cape Girardeau & Northern R.R. to south of Cape Girardeau, rehabilitation of latter road into and through Cape Girardeau, incl. yard, freight facilities, to W. P. McGeorge & Co., Pine Bluff, Ark., and Cape Girardeau; laying rails on new line, rehabilitation old line, by company's forces; 1 story, 38 x 40 ft., brick, corrugated asbestos, steel power house, Wichita, Kan., to Blaser-Bollmer Constr. Co., Wichita, Kan.; 1 story, 16 x 48 ft., concrete, brick, steel hostlers, engine supplies, etc., East Bottoms, Kansas City, to E. L. Winn, 228 Ry. Exch. Bldg., Kansas City. Noted Nov. 15.

Texas —Houston Navigation Dist., 4.3 mi. railroad extension to new Roxana refinery, to C. K. Horton, 2200 Clay St., $90,291. Est. $140,000. Noted Nov. 22.

Airports

Proposed Work

ADMINISTRATION—**Cleveland, O.**—See "Buildings—Commercial."

AIRPORT—**Elyria, O.**—Cities of Elyria and Lorain surveys airport. Austin Co. 16112 Euclid Ave., Cleveland, engrs.

AIRPORT IMPROVEMENTS—**Colorado Springs, Colo.** — City Council, S. E. Nicholas, clk., expending $25,000 during 1929, airport improvements. F. O. Ray, engr.

HANGARS, etc. — **Seattle, Wash.** — Comrs. King Co., steel, semi-fireproof hangar $50,000, administration building $100,000, dumping 800,000 cu.yd. dirt from Duwamish Waterway $50,000. Noted Nov. 22.

Bids Asked

HANGAR—**Colonie** (sta. West Albany), **N. Y.**—Colonial Airways, lessee, 270 Madison Ave., New York, taking bids steel and mechanical equipment for hangar. $75,000. American Airports Corp., 527 5th Ave., New York, archt.

Bids Received

HANGAR—**Miami, Fla.**—City, c/o Aviation Dpt., hangar at municipal air field, from M. F. Comer Foundation Co., 1610 Northwest 8th Terrace, $16,756. Noted Nov. 15 under "Unclassified."

AIRPORTS—**Akron, O.**—F. E. Swineford, dir. P. Serv., Nov. 19, 6,900 ft. 24- to 66-in. vitr. clay sewers, drains in airport in connection with agreement with Goodyear-Zeppelin Corp., from McAlonan Bros., 506 Woodland Ave., segment $71,022, brick $76,749. Noted Nov. 8 under "Sewers."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Long Branch — Bd. City Comrs., City Hall, rein.-con. bulkhead and jetty. $50,000.

Ia., Red Oak—Nishna Botna D. D. 11, Montgomery Co., bids early in 1929, 5,800 ft. open ditch work, incl. 85,000 cu.yd. excav.

Neb., Lincoln—Flood relief, incl. 10,000,000 cu.yd. excav. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Ont., Hamilton—Steel Co. of Canada, R. H. McMaster, pres., new docks. $1,500,000. Private plans.

Bids Asked

N. Y., Brooklyn — Dec. 10, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, New York, dredging channel from Paerdegat Basin to line 550 ft. from Canarsie Pier; at foot Rockaway Parkway; bulkheads to retain spoil and dredging connecting channel east of Fresh Creek Basin, Jamaica Bay.

N. J., Monmouth Beach—Dec. 19, by Bd. Freeholders Monmouth Co., Court House, Freehold, extending stone jetty. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Dec. 6.

Fla., Jacksonville — Dec. 17, by City Comn., improving McCoys Creek, incl. bulkheading, drainage and excavation, bridges, underpasses. $350,000.

Iowa — Dec. 20, by C. Pitchforth, aud. Muscatine Co. (Muscatine), and C. L. McClurkin, aud. Carroll Co. (Carroll), 3,600 ft.

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INDEPENDENT

Concrete Sewer Pipe

Why Engineers and Contractors Prefer It

EACH year finds a greater number of American cities solving their sewer construction problems, *permanently* and at *low cost*, by laying INDEPENDENT Reinforced Concrete Pipe Sewers. There are two reasons why:

1. Engineers have confidence in "INDEPENDENT." They know the successful record of this company in handling hundreds of important sewer pipe contracts . . . . and they know the high quality, strength and durability of this pipe. They know, too, the *economy* of having sewer pipe built locally in a special INDEPENDENT plant.

2. Contractors also have a preference for INDEPENDENT Pipe. They are sure of low prices, prompt delivery, easier-to-seal joints, and the hearty cooperation of our organization, from start to finish.

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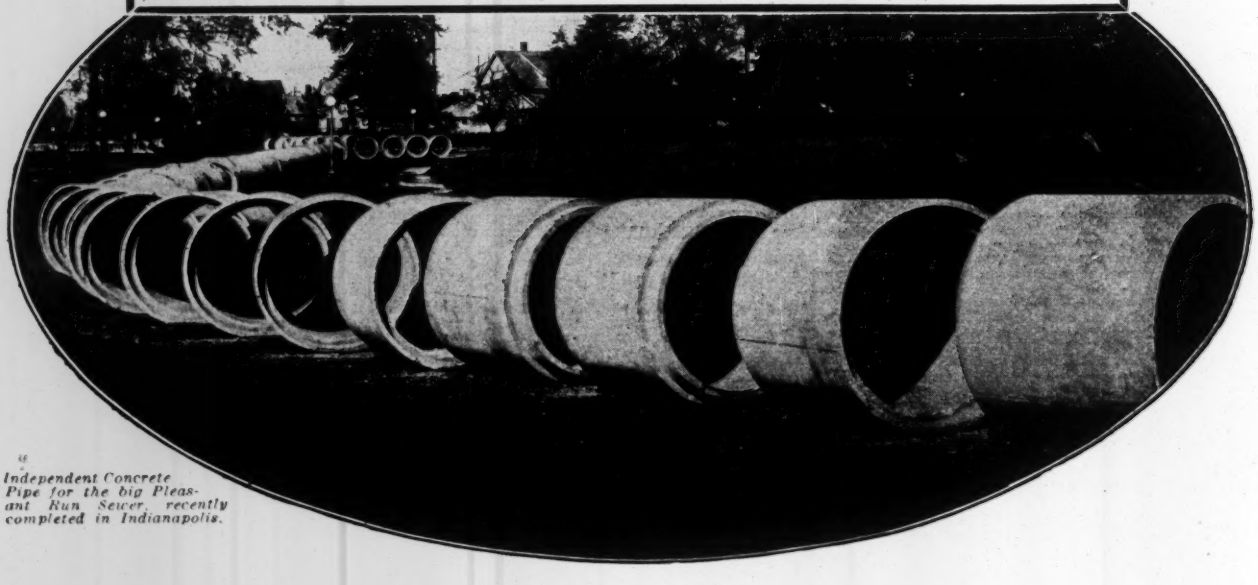
General Office, Indianapolis, Ind.



Independent Concrete Pipe for the big Pleasant Run Sewer, recently completed in Indianapolis.

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

diversion Michael Creek into Mississippi River, incl. 117,000 cu.yd. excav., 40,000 cu. yd. excav. in silt basin, 50 cu.yd. rein.-con. in Spillway, also bridge over channel. C. H. Young, ch. engr. Central States Eng. Co., Muscatine, engr.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., State House, Boston, rejected bids bituminous concrete paving 9,253 ft. hy. in Falmouth. Former contract rescinded. Will probably readvertise. Noted Nov. 29.

Mass., Dorchester (sta. Boston)—Dpt. P. Wks., Boston, improving Codman Hill Ave. as hy. $25,000 or more. J. H. Sullivan, comr.

Mass., West Roxbury (sta. Boston) — Dpt. P. Wks., Boston, Constructing Lotus Pl., Brook Rd. and Park Terrace as hy. $25,000 or more. J. H. Sullivan, comr.

Conn., Middletown—Wesleyan University extending Church St., and Wesleyan Pl., incl. sidewalks, curbing, guttering, sewers. $100,000. McKim, Meade & White, 101 Park Ave., New York, engrs.

New Jersey—State Hy. Comn., Trenton, repaving Union Valley Rd., West Milford, Passaic Co. $30,000. W. G. Sloan, State House, Trenton, engr.

N. J., Bordentown—City Comn., and Bd. Freeholders Middlesex Co., New Brunswick, paving 0.5 mi. Farnsworth Ave.

N. J., Clifton — Bd. City Council, City Hall, preliminary plans grading, curbing, guttering, sidewalks, bituminous macadam paving 3rd St. between Main St. and 6th Ave. $70,000. J. L. Fitzgerald, city engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, preliminary plans curbing, sheet asphalt on concrete paving Westfield Ave. from North Broad St. to Magie Ave. $25,000. T. Collins, city engr.

N. J., Fort Lee—Bd. Boro Council, Boro Hall, preliminary plans grading, rein.-con. paving Brinkerhoff Ave. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Hillside (sta. Elizabeth) — Twp. Comn., Town Hall, preliminary plans grading, curbing, sidewalks on Brookside Ave. $25,000. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., Montclair—Bd. Town Comrs., Administration Bldg., preliminary plans widening, sheet asphalt on concrete paving Church St. $25,000.

N. J., Morristown—Bd. Freeholders Morris Co., Court House, paving 2.5 mi. Columbia Turnpike. $150,000. State appropriates toward cost.

N. J., New Brunswick—Bd. Freeholders Middlesex Co., County Record Bldg., preliminary plans curbing, 7 in. single line rein.-con. paving Amboy Ave. from Metuchen to Fords. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, preliminary plans grading, concrete paving River Rd. $50,000. R. Glenn, twp. engr.

N. J., North Bergen (Ind. br. West New York)—Twp. Com., Town Hall, preliminary plans grading, sheet asphalt on concrete paving Kansas Ave. $25,000. R. Glenn, twp. engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, rein.-con. or bituminous macadam paving Paterson-Hamburg Turnpike. $50,000. G. Ferguson, Court House, co. engr.

N. J., Paterson — Bd. Park Comrs., City Hall, tarviating roads, retaining walls, in Westside Park. $25,000. F. W. Loede, park engr.

N. J., Plainfield—Common Council, City Hall, preliminary grading, curbing, guttering, sheet asphalt on 6 in. concrete paving Melrose Pl., Murray and Melrose Aves. $25,000. A. Vars, city engr.

N. J., Pompton Lakes — Boro Council, Boro Hall, preliminary plans widening, bituminous macadam paving Ringwood Ave. $25,000. E. N. Millen & Son, 419 Ramapo Ave., engr.

N. J., Roselle Park (br. Elizabeth) — Boro Council, Boro Hall, preliminary plans grading, curbing, sheet asphalt on 6 in. concrete paving Clay and Grant Aves. W. $25,000. J. W. Higgins, boro engr.

N. J., Spring Lake (P. O. Spring Lake Beach)—Mayor and Council, paving Mercer, Sussex, Essex, Monmouth, Atlantic, 6th, 7th and Lake Aves. $30,000. C. W. Birdsall, Spring Lake, engr.

N. J., Teaneck (br. Hackensack) — Twp. Comn., Municipal Bldg., widening, rein.-con. paving Teaneck Rd. $30,000. P. Fraleigh, Teaneck Rd., Cedar Lane, twp. engr.

N. J., Union—Twp. Com., Twp. Hall, preliminary plans grading, sheet asphalt on 6 in. concrete paving Morris Ave. from Springfield Ave. to Potters Lane. $25,000. H. Kreh, Jr., Falls Bldg., twp. engr.

N. J., Union City — Bd. City Council, City Hall, will not pave 30th, 31st and Sip Sts. $105,000. Project abandoned. J. Maulbeck, City Hall, engr. Noted Oct. 25.

Pa., Pittsburgh—Soon takes bids grading, paving Pike St. between 11th and 21st Sts. $175,500 — River Ave. $39,800 — paving, curbing Bigelow St. $166,000. Dpt. P. Wks., City County Bldg., engrs.

Md., Baltimore—Asphalt paving. $80,200. N. L. Smith, City Hall, hy. engr.

Miss., Corinth—Preliminary plans concrete or asphalt resurfacing 17 blocks.

Louisiana — State Hy. Comn., Baton Rouge, graveling 4.2 mi. Bernice Homer Hy., Union Parish, $25,000 — 11.5 mi. Coushatta-Ashland Hy., Red River Parish —5.1 mi. Leesville-Texas Hy., Vernon Parish, $30,000. J. M. Fourmy, Reymond Bldg., Baton Rouge, ch. engr.

Louisiana — State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 11 mi. Arcadia-Hodge Hy., 30 ft., Bienville Parish; 7.4 mi. Compti-Goldonna Hy., Natchitoches Parish; 4 mi. Sodus-Ajax Hy. and 7.4 mi. Hill-Converse Hy., Sabine Parish. Noted Nov. 22.

Louisiana — State Hy. Comn., Baton Rouge, graveling 12 mi. Albany-Montpelier Hy. and 6.5 mi. Acy-Head of Island Hy., Livingston Co.; 5.2 mi. Port Hudson-Thompson Creek Hy., East Feliciana Parish. J. M. Fourmy, Reymond Bldg., Baton Rouge, hy. engr.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, grading, graveling, paving 250-300 mi. roads during 1929, incl. Spanish Trail, Hammond Rd., Jefferson Hy. from New Orleans to Shreveport through Baton Rouge. Est. $20,000 per mi. J. M. Fourmy, Baton Rouge, hy. engr.

Louisiana — State Hy. Comn., Baton Rouge, postponed bids to have been opened Nov. 23, graveling Bossier City-Minden Hy., Bossier and Webster Parishes. J. M. Fourmy, Baton Rouge, hy. engr. Noted Nov. 8.

La., Baton Rouge — State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 7 mi. Livonia-Opelousas Hy., St. Landry Parish. $40,000. J. M. Fourmy, Baton Rouge, state engr.

La., Monroe—Preliminary plans grading, curbing, guttering, concrete paving Grayling Lane, Ouachita Auburn and Forsythe Aves., South 3rd, Alexander, 4th, 5th, 6th, M and Rochelle Sts. I. W. Neel, city engr.

O., Canton—Stark Co., widening, brick on concrete paving 5.6 mi. Canton-Akron Rd. $800,000. A. M. Wise, Canton, engr.

O., Cincinnati—Concrete curbing, sheet asphalt repaving 4,000 sq.yd. and concrete paving 22,000 sq.yd. Delta Ave. $107,580. C. O. Sherrill, city mgr.

O., Elyria — Lorain Co. bids in spring widening, resurfacing 10 mi. Lake Rd. from city limits to Cuyahoga Co. line, 20 ft. $800,000.

O., Lisbon—City Council, bids in spring, concrete paving Beaver, Jefferson, Spruce and High Sts. $40,000.

O., Toledo—Comrs. Lucas Co. soon takes new bids macadam paving 6 mi. each Swanton-Maumee and Angola Rds. Former contract rescinded. Noted Nov. 29.

O., Youngstown — Comrs. Mahoning Co., bids in spring straightening, widening 2.5 mi. Girard-Youngstown Rd., 20 ft. $100,000.

Wisconsin—Oconto Co., H. Bartz, comr., voted $112,000, concrete paving; Jackson Co., O. H. Overlein, comr., Black River Falls, $250,000; Barron Co., E. Gleason, comr., Barron, $165,000; Juneau Co., H. Christenson, comr., Mauston, $85,000; Wausau Co., J. A. Clark, comr., Wausau, $884,000; Rock Co., C. E. Moore, Janesville, $70,000, graveling; Walworth Co., H. J. Peters, comr., Elkhorn, $82,000; Fond du Lac Co., Fond du Lac, $47,672.

Wis., Madison—Dane Co., J. R. Caldwell, comr., appropriated $1,417,141, improving highways during 1929.

Wis., Neillsville—Clark Co., O. J. Weyhmiller, comr., 20 ft. concrete paving 19.65 mi. State Trunk Hy. 29. $650,000.

Ia., Charter Oak — Preliminary plans grading, curbing, hard-surfacing 40,000 sq.yd. $90,000. W. E. Buell & Co., 337 Insurance Exch. Bldg., Sioux City, engrs.

Ia., Milford—Grading, concrete paving. W. E. Buell & Co., 337 Insurance Exch. Bldg., Sioux City, engrs.

Minn., LeSueur—Paving 6 blocks. $25,000. J. A. Morgan, city clk.

Minn., St. Paul—Grading, paving Hillcrest, Pinehurst, Howell Aves. $129,000—paving Otto Ave. between Snelling and Hamline Aves. $58,000 — Lombard Ave. between Lexington Ave. and Milton St., $26,000. J. W. Kelsey, city engr.

Kan., Leavenworth — Leavenworth Co. preliminary plans grading 1.983 mi. Sect. C, and 7.723 mi. Sect. D. Federal Aid Project 307, 30 ft. J. E. McCorkle, Court House, engr.

Kan., Meade — Meade Co. preliminary plans grading 6.305 mi. Road K-12, 30 ft. H. L. Gilman, Court House, engr.

Kan., Oswego—Soon takes bids charts surfacing 8.4 mi. Mound Valley-Cherryville Rd., 28 ft.—3 mi. Parsons-Southwest Rd., 28 ft.—5 mi. Angola-East Rd.—2.5 mi. Parsons-North Rd.—7 mi. Oswego-Southwest Rd.—3 mi. Oswego-Angola Rd. J. F. Grady, Court House, engr.

Kan., Ottawa—Franklin Co., soon takes bids sand clay surfacing 12 mi. U. S. road 50S, Project 729. E. F. Lovelace, Court House, engr.

Missouri — State Hy. Comn., Jefferson City, grading, paving 163.65 mi. 22 projects, in Andrew, Barry, Benton, Buchanan, Cape Girardeau, Clay, Crawford, Dallas, Greene, Knox, Lincoln, Laclede, New Madrid, Nodaway, Pemiscot, Pettis, Phelps and Webster Counties. T. H. Cutler, ch. engr.

Mo., St. Louis — Preliminary plans alternate types paving January, Knox and Enright Aves., Hurst, French, Trainer Courts, Agnes, Herder, Odell, Rosalie, Hudler, Elmback, Utah and Laurel Sts. W. W. Horner, city engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids grading, concrete paving 29,250 sq.yd. alleys in City Blocks 1483, 1974, 2913, 2933, 3177, 3178, 3269, 3608, 3840, 5841, 5863, 5920, 2829, 4073, 4091, 4653, 5733 W, 5839 and 6054. $78,975. W. W. Horner, City Hall, engr.

Texas—State Hy. Dpt., Austin, grading, bridging 29.658 mi. Hy. 28, Hale Co., $105,000, L. O. Cox, Plainview, resident engr.—8.403 mi. Hy. 6, Grayson Co., $45,000, J. G. Rollins, Sherman, resident engr.—14.511 mi. Hy. 79, Throckmorton Co., $75,000, J. E. Pirie, Throckmorton Co., resident engr. —0.984 mi. Hy. 12, Jackson Co., $30,000, D. K. Shepard, Edna, resident engr.

Tex., Alamo Heights—Curbing, asphalt paving 3.85 mi. $90,000. S. F. Crecelius, 201 Torcido Dr., San Antonio, engr.

Tex., Corpus Christi—Widening 5 blocks Staples St., from 60 to 80 ft., paving from present 30 ft. width to 60 ft. $90,000. H. L. Shaw, city engr.

Tex., Hallettsville—Lavaca Co. grading 8.728 mi. Hy. 109, Rd. Dist. 3-4 to Fayette Co. line, 26 ft. $50,000. W. H. Koether, Hallettsville, co. engr.

Tex., Harlingen — City plans widening Jackson St. 80 ft. $30,000.

Tex., Karnes City—Karnes Co. grading, bridging 9.205 Hy. 112, S.A.P. 789-A, 26 ft. $65,000. E. F. Fehrenkamp, Karnes City, co. engr.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab surfacing 16,000 sq.yd. State Hy. 14, Woodward Co., $42,000; sheet asphalt surfacing 31,600 sq.yd. U. S. Hy. 66, Beckham Co., $95,000. C. R. Mandigo, hy. engr.

Okla., Altus—J. E. Parks, chn. Jackson Co., rejected bids Nov. 19, grading 23.5 mi. Martha, Hester and Blair Rds. $30,000. W. A. Ingraham, Altus, engr.

Okla., Atoka—Paving 16 blocks business sect. 40 ft. To exceed $25,000. Benham Eng. Co., Perrine Bldg., Oklahoma City, engrs.

Okla., Clinton—Grading, concrete paving 10,000 sq.yd. 4th, 10th, 13th and Court Sts. $32,000. Benham Eng. Co., Perrine Bldg., Oklahoma City, engrs.

Okla., Heavener — Grading, concrete paving 12,000 sq.yd. business section. To exceed $25,000. J. H. Brannon, Heavener, engr.

Okla., McAlester — Pittsburg Co. preliminary plans grading 15 mi. Indianola-McAlester Rd., 28 ft. To exceed $25,000.

Okla., Newkirk — Kay Co. preliminary plans grading, 30 mi. Nardin-Uncas and Tyner Rds., 28 ft. $60,000. J. S. Clark, Newkirk, engr.

Okla., Oklahoma City—Grading, sheet asphalt paving 5,800 sq.yd. Thomas, Helen and Drexel Sts. $29,100. W. W. Small, City Hall, engr.

Okla., Oklahoma City — Grading, sheet asphalt paving 9 blocks, Highland and Mirimar Sts.; widening Avenue C from Harvey to Walker Sts., concrete paving West 13th St. To exceed $25,000 each. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Grading, concrete paving 7,500 sq.yd. Granger St. To exceed $25,000. W. W. Small, City Hall, engr.

Okla., Verden—Preliminary plans paving 10 blocks residential streets, 26 ft. To exceed $25,000. H. H. Arnett, mayor.

Colorado—State Hy. Dpt., Denver, expending $3,660,000 for road construction,

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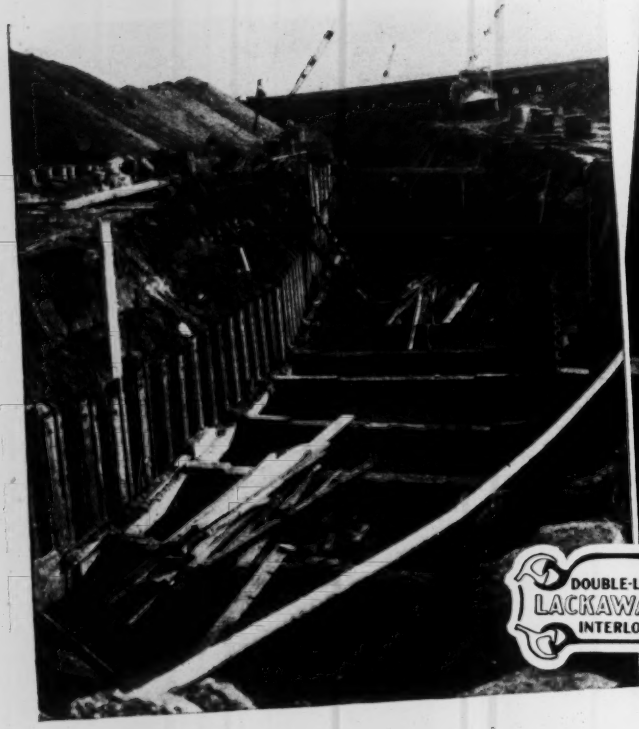

Completed sewer ready for back-fill.

Henry W. Horst Company, Contractors, Rock Island, Ill.

Preparing to drive steel Sheet Piling at head of job

Lackawanna 14" x 3/8" Arch-Web Piling

used in the construction of the Upper Delaware Collecting Sewer, Philadelphia, Pa.

The construction of Sections 4 and 5 of this sewer presents another example of the advantages of Lackawanna 14 in. x 3/8 in. Arch-Web Steel Sheet Piling.

The rapidity with which the piling was driven and pulled, and the efficient methods devised by the contractors made it easy to keep the excavation in the sheeted trench ahead of the sewer construction.

The compact section and large interlocks of Lackawanna 14 in. x 3/8 in. Arch-Web Piling particularly adapt it to rapid, repeated driving and pulling.

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Bethlehem Steel Export Corporation, 25 Broadway, New York
Sole Exporter of Our Commercial Products

BETHLEHEM

Streets and Roads (Continued)

$1,400,000 maintenance during 1929. L. D. Blauvelt, Denver, state hy. engr.

Colo., Pueblo—Pueblo Co. appropriated $200,000, road and bridge work during 1929. C. A. Reese, co. engr.

N. M., Clovis—Devlin Eng. Co., engrs., 715 Fisk Medical & Professional Bldg., Amarillo, Tex., rejected bids Nov. 2, warrenite bitulithic paving 6,000 yd., for City. $25,000.

Calif., Los Angeles — Los Angeles Co., improving C. I. 788, Honolulu Ave. $46,-061. G. W. Jones, Hall of Records, engr.

Calif., Salinas—Monterey Co., constructing Salinas-Monterey Rd. and bridges, $380,000—Salinas-Watsonville Rd., $323,000 — King City-Jolon Rd., $144,000 — Soledad-King City Rd., $40,000—San Lucas-Lockwood Rd., $40,000—Pacific Grove-Carmel Rd., $85,000—Watsonville-San Juan Rd., $35,000—Castroville-Salinas Rd., $45,-000—miscellaneous smaller jobs, $577,000. H. F. Cozzens, Salinas, co. engr.

Calif., San Diego—Common Council grading, concrete curbing, 6 in. concrete paving 82,171 sq.ft. Andrews, Columbia, Wellborn, Guy, Puterbaugh and Winder Sts.; 295,650 sq.ft. Fanuel, Pacific and Frontera Sts. H. W. Jorgensen, city engr.

Calif., San Francisco—Grading, 3 in. asphalt on 8 in. concrete paving 466,000 sq.ft. 19th Ave. M. M. O'Shaughnessy, city engr.

Calif., Tulare—Grading, curbing, walks, paving Alpine, Inyo Sts. To exceed $25,000.

Ont., Barrie — Council concrete paving Bayfield Ave. $35,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Durham—Concrete, asphalt or bitulithic on concrete or macadam paving 10,-000 sq.yd. main street. $30,000-$50,000. Engineer not selected.

Bids Asked

Maine — Dec. 12, by State Hy. Comn., Augusta, graveling 3.33 mi. Federal Aid Projects 109-B and C. L. D. Barrows, ch. engr.

New Hampshire—Dec. 7, by State Hy. Dpt., Concord, 2 bridges, 3 in. on 6 in. gravel paving 2.329 mi. Mascoma Valley Rd., Grafton. L. F. Johnson, Lebanon, engr. Noted Nov. 22.

N. Y., Brooklyn — Dec. 12, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Stanley Ave.—grading, curbing, flagging East 16th and North 14th Sts.—grading, curbing, flagging, asphalt on 6 in. concrete paving Avenues N. and R. East 46th, East 48th, East 55th Sts.—rein.-con. caps and pipe railings upon new steel bulkheads on north and south approaches Stillwell Avenue Bridge over Coney Island Creek.

N. Y., Long Island City — Dec. 13, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., grading, sheet asphalt on prepared macadam repaving Hollis Ave.; granite block on concrete paving 47th Rd. (7th St.) and 6th St.

N. Y., New York—Dec. 12, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving West End Ave.—grading, curbing, recurbing, flagging, reflagging, granite block on concrete repaving 12th Ave. — grading, widening, curbing, sheet asphalt on concrete repaving 34th St.

N. Y., St. George — Dec. 11, by J. A. Lynch, pres. Richmond Boro, Boro Hall, reconstructing roadway and dam at Clove Lake, Richmond Boro.

N. Y., St. George — Dec. 12, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving franchise area Staten Island Midland Ry. on Canal St. between Broad and Wright Sts.

N. J., Scotch Plains—Dec. 7, by Twp. Comn., Municipal Bldg., curbing, 8 in. rein.-con. paving Jerusalem Rd. from Mountainside to Plainfield Aves. $75,000. H. Paff, Forest Rd., twp. engr. Noted Nov. 22.

Md., Baltimore—Dec. 12, by Bd. Awards, sheet asphalt paving 17,000 sq.yd. Contr. 494; grading 14,400 cu.yd. N. L. Smith, City Hall, hys. engr.

North Carolina—Dec. 18, by State Hy. Comn., Raleigh, **(P. means Project)**, grading and concrete or asphalt paving 7.2 mi. P. 7301, Davie Co. $142,000—3.7 mi. P. 5301, Guilford Co., $112,000—8.24 mi. P. 1962, Washington Co., $147,000—clearing, grading, topsoiling 11.96 mi. P. 663, Richmond Co., $97,200—grading, asphalt on gravel surfacing 10 mi. P. 373, Pender Co. $85,000— clearing, grading 20.98 mi. P. 320, Brunswick Co., $78,800. L. R. Ames, Raleigh, engr.

South Carolina—Dec. 11, by State Hy. Dpt., B. M. Sawyer, ch. comr., Hotel Jefferson, Columbia, grading, topsoiling, graveling, bridging, concrete and asphaltic concrete paving 76.33 mi. hys. in Greenwood, Jasper, Kershaw, Lexington, Richland, Greenville, Lancaster and Marion Counties; bridges in Aiken, Chester, Greenville, Anderson, McCormick and Spartanburg Counties.

Ala., Birmingham — Dec. 31, by City Comn., sidewalks, curbing, guttering, 2 in. asphalt on 6 in. concrete paving 2 blocks 4th Ave., S., $13,600—grading and 6 in. concrete paving 2 blocks 16th Alley N., $900—grading and 7 in. concrete paving 600 ft. 4th Alley N., $2,000—7 in. concrete paving 1 block 9th Alley, $3,150—8 in. concrete paving 1 block 23rd St., S., $4,800. A. J. Hawkins, city engr.

Miss., Corinth—See "Contracts Awarded."

La., Natchitoches — Dec. 11, by O. F. Himel, city secy. and treas. grading, rein.-con. paving Normal Blvd., Davie, Trodeau and Cypress Sts. C. D. Evans, Shreveport, engr.

Tennessee—Dec. 28, by State Dpt. Hys. & P. Wks., Nashville, grading, 59.764 mi. roads in Shelby, Hamilton, Fentress, Montgomery, Sullivan, Williamson, Davidson and Johnson Counties—bridges in Henry, Stewart, Roane, Grundy and Cumberland Counties. H. S. Berry, hy. comr.; adv. E. N.-R. Dec. 6.

O., Akron—Dec. 10, by F. E. Swineford, dir. Pub. Service, clearing, grubbing 200 acres Akron Municipal airport site, between Triplett and Emmit Rds.

Iowa — Dec. 11, by State Hy. Comn., Ames, paving 7.997 mi. Road 218-A and C, Benton Co.—11.816 mi. Road 11, P-548-B, Buchanan Co.—6.255 mi. U. S. Road 65, F-265-B and C, and 4.01 mi. U. S. Road 65, F. A. 11-C and B, Warren Co. clearing 1.7 acres, constructing 170 lin.ft. wing dam, Skunk River Bridge, U. S. 161, F. A. B. 219, Henry Co. R. F. White, hy. comr.

Minn., Fergus Falls—Dec. 11, by W. Lincoln, aud. Otter Tail Co., grading 110,000 cu.yd. Job 2802, State Aid Rd. 21. $25,000. O. Skramstad, Fergus Falls, co. engr.

S. D., Dell Rapids—Dec. 18, by Village Clerk, concrete paving 10,000 sq.yd. $27,-000. W. E. Buell, 339 Insurance Exch., Sioux City, Ia., engr.

S. D., Gettysburg—Jan. 8, by B. Klein, city aud., paving 16 blocks. $56,000. Noted Nov. 1.

Mo., Independence—Dec. 18, by Comrs. Jackson Co., grading, concrete paving 39,031 sq.yd. 23rd St. Rd.; constructing bridge over Rock Creek and Blue Ridge Underpass. L. E. Koehler, Court House, hy. engr. Stayton & Veatch, 508 Interstate Bldg., Kansas City, consult. engrs.

Texas—Dec. 17, by G. Gilchrist, state hy. engr., Austin, 3 in. bituminous macadam paving 13.122 mi. hy. Shackelford Co. $111,-000, J. E. Pirie, Albany, resident engr.—grading, bituminous on concrete paving 3.744 mi. hy. Harris Co., $126,000, A. J. Wise, Houston Co., engr.—grading, 6.299 mi. hy. Wilbarger Co., $27,000, J. B. Nabors, Vernon, co. engr.—concrete paving 9.322 mi. Mitchell Co., $216,000, W. J. Van London, Colorado, co. engr.—grading, concrete paving 18.449 mi. hy. Madison Co. $450,000, A. McCormick, Madisonville, resident engr.—grading 20.927 mi. hy., Baylor Co., $72,000, H. S. Kerr, Seymour, resident engr.—13.403 mi. Hardeman Co. $72,000, J. B. Nabors, Quanah, resident engr.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, concrete paving 24.383 mi. Hy. 33, Carson Co., $594,000, O. M. Simpson, Panhandle, resident engr.—grading and concrete paving 14.483 mi. Hy. 32, Freestone Co., $450,000, M. B. Hodges, Teague, resident engr. Noted Nov. 22.

Tex., Brownsville—Dec. 21, by W. O. Washington, engr. Cameron Co., 8 in. concrete paving 33 mi. Palmetta and East Brown Tract Blvds., Dilworth Crossing, Point Isabel, 14th St., Rangerville, Rio Hondo East, Military Grimes and Alta Palmas North Rds. $800,000.

Tex., Corsicana—Dec. 15, by Com. Court Navarro Co., c/o J. W. Hicks, co. judge, Corsicana, grading, concrete paving 12.39 mi. Cardinal Rd. 1, Unit 1, Sect. A, and Unit 2, Sect. C. McClendon & Purnell, Corsicana, co. engrs.

Tex., Stamford—Dec. 12, by City, c/o C. W. Zug, secy., vitr. brick, rock asphalt, bitulithic or concrete paving 65,000 sq.yd. various streets. Powell & Puckett, City Hall, engrs.

Okla., Chickasha — Dec. 13, by C. A. Chincholl, city clk., concrete paving 9,000 sq.yd. Missouri Ave. To exceed $25,000. R. O. Bradley, Chickasha, engr.

Okla., Maud—Dec. 11, by F. Fowler, city clk., 7 in. concrete paving 9,160 sq.yd. Madison, Cxford and Monroe Sts. To exceed $25,000. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Washington—Dec. 18, by State Hy. Comn., Olympia **(F.A.P. means Federal Aid Project)**, grading 160,690 cu.yd. F.A.P. 132-C—150,170 cu.yd. F.A.P. 132-D—140,880 cu.yd. F.A.P. 132-E, all State Rd. 3, Benton Co.; 97,720 cu.yd. State Rd. 1, city of Tacoma, Pierce Co. S. J. Humes, state hy. engr.

California — Dec. 12, by C. H. Purcell, Dpt. P. Wks., Sacramento, concrete bituminous macadam paving 1.2 mi. Ventura and Santa Barbara Counties—four 60 ft. span concrete girder bridge on concrete piers, abutments, wing walls across Pine Valley Creek, 16 mi. east of Alpine, San Diego Co.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 28, from Grimm Contg. Co., 85-38 107th St., Richmond Hill, East 49th St. $1,261—from M. J. Grant, 215 Montague St., granite block paving West St., $14,932; 2nd Ave., $89,205—from B. Turecamo, New Cropsey Lane, sheet asphalt on concrete paving East 46th St. $6,147; East 96th St. $9,360; Rutland Rd. $9,435; West 1st St. $6,539; 19th Ave. $3,677; East 40th St. $6,363; West 1st St., $4,657. Noted Nov. 22.

N. Y., New York—B. S. Coler, comr. Dpt. Pub. Welfare, Municipal Bldg., Nov. 27, sidewalks, curbing, roadways, and lawns at Bronx General Hospital, from Asphalt Constr. Co., 2197 Madison Ave., $28,679. Noted Nov. 22.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Nov. 28, bituminous concrete repaving Willowbrook Rd. and Blackford Ave., from J. E. Donovan, 2207 Richmond Terrace, Port Richmond, $12,190 and $9,050 respectively—Amboy Rd., from Vanbro Constr. Co., 24 Elizabeth St., Port Richmond, $18,348—grading, paving Highview Ave., from J. Johnson J. V. Turecamo, foot Bay 32nd St., grading Sons, 455 Bway., West New Brighton, $7,050—sewer in Crescent Ave., from J. J. O'Rourke, 238 Gordon St., $2,651. Noted Nov. 22.

Pennsylvania—State Hy. Comn., Harrisburg, Nov. 23 **(R. means Route and A. Application)**, grading 8,247 ft. A. 5975, Indiana Co., from L. M. Hutchison, R. D. 1, Altoona, $24,704—one course rein.-con. paving 82,346 ft. R. 93, Sects. 1 and 3, Warren Co., and 7,475 ft. R. 157 Spur, A. 4593, Berks Co., from York Eng. & Constr. Co., 21 West Market St., York, $425,777 and $59,925 respectively—7,370 ft. As. 5855 and 5981, Lehigh Co., and 5,231 ft. R. 444, A. 5448, Lawrence Co., from Mignatti & Whelan, Bankers Trust Bldg., Phila., $80,907 and $52,482 respectively—3,626 ft. A. 5854, Lehigh Co., from Kulpmont Constr. Co., 1009 Chestnut St., Kulpmont, $34,678—19,892 ft. R. 234, Sect. 2, A. 5537, Cambria Co., from P. R. Beals, 75 Moeller Ave., Buffalo, N. Y., $173,812—13,711 ft. R. 140, Sect. 5, Schuylkill Co., from J. M. Eshleman, Landisville, $254,761—19,644 ft. R. 428, A. 5411, Venango Co., from J. C. Devine Co., Meadville, $144,046—highway and bridge on R. 84, Erie Co., from A. C. Bailey, Philipsburg, $29,829. Noted Nov. 8.

Indiana—J. D. Williams, dir. State Hy. Dpt., Indianapolis, Nov. 27, concrete paving 72,801 sq.yd. Sect. K, State Rds. 45 and 56, Dubois Co., from Globe Constr. Co., Evansville, $179,548—84,111 sq.yd. Sect. A, Rd. 24, Wabash Co., from J. C. O'Connor & Sons, Ft. Wayne, $188,077—83,931 sq.yd. Sect. B, Rd. 24, Huntington and Wabash Counties, from Tri-Lake Constr. Co., Columbia City, $203,899—102,725 sq.yd. Sect. B, Rd. 29, Decatur Co., from J. F. Kelley & Co., Terre Haute, $196,899—116,897 sq.yd. Rd. 53, Jasper Co., from W. F. Smith & Co., Rensselear, $193,322—54,409 sq.yd. Rd. 49, Porter Co., from P. T. Clifford & Son, Valparaiso, $91,556—106,689 sq.yd. Sect. O, Rd. 29, Decatur and Shelby Counties, and 65,646 sq.yd. Rd. 45, Dubois Co., from Berns Constr. Co., 3048 North Illinois St., Indianapolis, $181,180 and $115,503 respectively—13.061 mi. Rds. 45 and 56, Dubois Co., from Foulkes Constr. Co., Terre Haute, $283,208—bridges, grading 0.401 mi. Rd. 37, Monroe Co., from J. C. Ellis, Rockport, $31,741—0.661 mi. Rd. 67, Green Co., from Hart & Hart, Sanborn, $8,632. Noted Nov. 15.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., grading, paving Gruber Ave., from J. C. Bluhm & Son, 1299 Achilles Pl. $24,692—Hauser Ave., from Czerwinski Constr. Co., 816 Clinton St. $5,767—East Wisconsin and Fond du Lac Aves., from Badger Constr. Co., 97 East Wisconsin Ave. $38,426 and $54,367 respectively—Greenfield Ave., from White Constr. Co., 68 East Wisconsin Ave. $56,957.

Tex., Houston—Two course bituminous treating Fulton St. from Kali-Inla Paving Co., Houston, $29,650 est. $30,000—permanent paving MacGregor Dr, from Brown & Root, Post Dispatch Bldg., asphalt topping, $59,919 inverted penetration $47,292 est. $130,000. Noted Nov. 15.

Tex., San Antonio—For 1½ in. bitulithic on 10 in. macadam paving 165,000 sq.yd.

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Streets and Roads (Continued)

17 streets, from Southwest Bitulithic Co., 302 Castro St., $343,736.

California — State Hy. Comn., Sacramento, Nov. 21, grading, oil treated crushed rock surfacing 10.3 mi. Inyo Co., from G. W. Ellis, 1005 Kenneth Rd., Glendale, $102,390, est. $136,962—10.6 mi. Lake Co., from Vonder, Hellen, Pearson & Logan, Medford, Ore., $219,882, est. $251,679—grading 1.6 mi. Mono Co., from G. E. Fennell, Sacramento, $30,949, est. $19,465. Noted Nov. 8.

Calif., Los Angeles—Curbing, guttering, concrete paving 13,494 ft. San Fernando Rd. from Tyburn to Huron Sts., from P. J. Akmadzich, 821 Yale St., $504,737—25,562 ft. Chandler Blvd. and Colfax Ave., from W. F. Peck Co., 1120 North Las Palmas St., $231,115—5,916 ft., Weymouth Ave. and Aldine Court, from Griffith Co., 502 Los Angeles Ry. Bldg., $59,384.

Calif., Los Angeles — Supervs. Los Angeles Co., Nov. 19, curbing, guttering, rock and oil surfacing 177,478 sq.ft. Olive St. from V. Kovacevich, 1533 Loma St., Long Beach, $35,171; 2 in. warrenite bitulithic paving 106,340 sq.ft. Culver Blvd., from Braun, Bryan & Austin, 6244 Washington Blvd., $39,514. Noted Oct. 25.

Contracts Awarded

N. Y., Albany—Bd. Contr. & Supply, City Hall, repaving Northern Blvd. and improving Marwill St., to Sheehan Contg. Co., 53 Chappel St., $37,312 and $23,998 respectively.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Castle Bros., Johnson Pl., grading East 15th St. $4,165; Avenue X $12,628—to Grimm Contg. Co., 170 McKinley St., Midwood St., $8,137—to B. Turecamo, New Cropsey Lane, sheet asphalt on concrete paving East 5th St. $7,079; West 9th St. $15,445; 21st Ave. $3,939—to M. J. O'Hara, Neptune Ave. and West 19th St., 84th St. $4,411; 96th St., $6,312. Grand total $62,216. Noted Oct. 25.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, asphalt paving 11th Ave. and 71st St., to M. J. O'Hara, Neptune Ave. and West 19th St., $4,961 and $7,084 respectively; East 40th St., to D. J. McCoy Asphalt Corp., Avenue U and East 57th St., $7,528. Grand total $19,573. Noted Nov. 1.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Nov. 15, grading Seneca Ave., to Kordes Contg. Co., 59 Washington Ave., Brooklyn, $7,294—sheet asphalt on concrete paving Fisk and Woodside Aves., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $11,148 and $10,620 respectively—69th St., to Carbloc Paving Corp., Varick and Stagg Sts., $30,010—Jamaica Ave., to Highway Impvt. Co., Furmans Island, Brooklyn, $11,220—Farmers Ave. and Springfield Blvd., to Meehan Paving & Constr. Co., 90 West St., New York, $48,958 and $39,630 respectively—Home Lawn Ave., to W. P. MacDonald Co., Lawrence St., Flushing, $41,205. Grand total $200,085. Noted Nov. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing, flagging, sheet asphalt on concrete paving West 165th St., and 59th (Grand Army Plaza) Sts., to C. D. Beckwith Seneca Ave. and Edgewater Rd., $6,422 and $1,806 respectively. Noted Nov. 8.

N. Y., West New Brighton (sta. Staten Island)—J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, concrete paving incinerator yard, to J. J. O'Rourke, 238 Gordon St., $3,433. Noted Nov. 15.

New Jersey—State Hy. Comn., Trenton, grading, 6 in. single line rein.-con., paving 64,190 sq.yd. Salem Co., to C. D. Prosser, Pitman, $242,979. Noted Nov. 15.

Md., Baltimore—Bd. Awards, sheet asphalt paving 12,700 sq.yd. Contr. 492, to timore & Ohio R.R., $53,336. Noted Nov. 8. P. Flanigan & Sons, Harford Rd. and Bal-

Virginia — State Hy. Comn., Richmond, grading, draining 0.898 mi. Project S206-C1, and 0.661 mi. Project S206-D, Madison Co., to Fredericksburg Constr. Co., Fredericksburg, $8,163 and $11,645 respectively; improving 0.203 mi. Project S296-1, Sussex Co., to Perkins & Barnes, Blackstone. Noted Nov. 22.

W. Va., Beckley—Raleigh Co., grading 4.8 mi. Lanark-Prince Rd., 27 ft., to Patsey Small Co., Bluefield, $66,218.

North Carolina — State Hy. Comn., Raleigh, one course graveling 4.86 mi. Wake Co., and clearing, grubbing, grading, top-soiling 14.76 mi. Lincoln Co., to N. L. Teer, Durham, $25,680 and $77,821 respectively—19.24 mi. Johnston Co., to Real Bros., Bear Creek, $102,414—clearing, grading, topsoiling 9.27 mi. Catawba Co. and 11.19 mi. Rutherford Co., to M. A. Kollock, Hendersonville, $45,093 and $61,686 respectively—clearing, grading 7.2 mi. Davie Co., to Powell Paving Co., Winston-Salem, $26,136—3.7 mi. Guilford Co., to C. B. Hester, Greensboro, $29,375. Grand total $368,205. Noted Oct. 18.

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Ala., Birmingham—To Walter J. Bryson Paving Co., Watts Bldg., 2 in. asphalt on 6 in. concrete paving 4 blocks 77th St. and Rugby Ave. S. $24,863; 1 block Prince Ave. $3,380; 4 blocks Rugby Ave. $24,210—to Dunn Constr. Co., Lincoln Life Bldg., 4 blocks 17th St. S. $15,013; 5 blocks Finley Ave. $20,553—to Wesco Co., 4501 2nd Ave. N., 2 blocks 2nd Ave. N. $6,645; 3 blocks 13th Ave. N. $17,211—to Southern Roads Co., Pioneer Bldg., 3 blocks 43rd Ave. $13,594; 1 block Georgia Rd. $2,041; 1 block 31st St. $4,111—to Independent Paving Co., 3828 1st Ave. S., 2 blocks 2nd Ave. S. $8,423—to Sullivan, Long & Haggerty, American Traders Bldg., 5 in. concrete paving 1 block 21st St., Ensley, $1,089; 1 block Avenue T $826—to W. H. Pattie, 2911 North 29th St., 6 in. concrete paving 1 block 15th Alley $1,645—to P. Richter, 1805 Pearson Ave., 1 block 28th Alley $1,611. Grand total $145,216. Noted Oct. 4, 11, 18 and Nov. 1.

Ala., Montevallo — City and Alabama State College, grading, 2 in. asphalt on 6 in. concrete paving 18 blocks streets leading to college, 30 and 40 ft., to W. J. Bryson Constr. Co., Montgomery, $85,000. Est. $90,000.

Miss., Corinth—Paving 17 blocks, by day labor. Noted Nov. 29.

Miss., Europa—Grading, curbing, sewers, concrete paving 22,200 sq.yd., to Hartman & Clark, Peoria, Ill. and Starkville. Noted Nov. 1.

Miss., Holly Spring—Marshall Co., grading 48,723 cu.yd. Corith-Memphis Rd., to Little & Lee, Inc., Memphis, Tenn., $31,755. Noted Nov. 1.

Miss., Raleigh — Supervs. Smith Co., Chancery Clerks Office, grading 109,462 cu.yd. Federal Aid Project 203-A, to Walter J. Bryson Paving Co., Jacksonville, Fla., $46,106. Noted Nov. 1.

Ohio—H. J. Kirk, dir. Hys., Columbus, bituminous macadam paving 4.8 mi. Sects. B-2, E and D-2 Fremont-Bowling Green Rd., Sandusky Co., to Peerless Constr. Co., Fremont, $93,810; concrete beam bridge Sect. "D," Georgetown-Wilmington Rd., Clinton Co., to L. C. Love, Sidney, $18,565. Noted Nov. 15.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete paving 3.789 mi. Sect. "B" East Liverpool-East Palestine Rd., Columbiana Co., to Laughlin Coal & Builders Supply Co., Canton, $105,824—0.436 mi. Sunbury Grade Separation, Delaware-Newark Rd., Delaware Co., to W. C. Moore, Marysville, $28,819 — bituminous macadam paving 4.8 mi. Sect. "B-2 and others" Fremont-Bowling Green Rd., Sandusky Co., to Peerless Constr. Co., Fremont, $93,810. Grand total $228,453. Noted Nov. 15.

O., Cincinnati — Park Comrs., Gilbert Ave., concrete curbing, sheet asphalt paving 18,000 sq.yd. and concrete paving 8,500 sq.yd. Victory Parkway, to Republic Asphalt Co., 857 Wehrman Ave., $134,338. Est. $158,360.

O., Columbus—W. H. Duffy, dir. Serv., grading, curbing, sewer and water connections, brick paving Summit St., to R. J. Dienst, 209 South High St., $90,070—widening, asphalt paving Webster Park Ave., to Cleveland Trinidad Asphalt Paving Co., Grand Theater Bldg., $24,390—4 avenues, to B. F. Patterson, 999 West Goodale St., $64,766. Grand total $179,226. Noted Nov. 8.

O., Toledo — Lucas Co., tar macadam paving 37,700 sq.yd., to T. P. Garrigan, Glenwood Court, $75,786—14,000 sq.yd., to Phil. Gerrigan & Son Co., Toledo, $31,212—concrete paving 3,600 sq.yd., to S. E. Johnson, 421 13th St., $207,864—15,300 sq.yd., to Launder & Son, 232 Vine St., $39,120—20,400 sq.yd., to C. M. Gray, Waterville, $39,357—6,000 sq.yd., and lake asphalt macadam paving 68,000 sq.yd., to Laungerderfer Co., Spitzer Bldg., $19,961 and $224,724 respectively. Grand total $638,024.

Ind., Indianapolis—At office Trustees of Indiana World War Memorial, 102 War Memorial Bldg., 777 North Meridian St., asphalt paving part of World War Memorial Plaza, to Mead Constr. Co., 906 Lemcke Bldg., $33,033. Noted Oct. 4.

Ind., Indianapolis—Marion Co., graveling 1 mi. and 92 ft. span bridge, to E. F. Smith Co., South Harding St., Indianapolis, $21,892. Est. $27,059. Noted Nov. 15.

Michigan—State Hy. Dpt., Lansing, to State Constr. Div., Lansing, C. M. Zeigler, supt., graveling 19 mi. MO5-16, C-1, Antrim Co., 20 ft. est. $209,000—concrete paving 3.067 mi. FO19-24, C-3, 20 ft. est. $110,000, and grading 14 mi. MO19-21, C-1, est. $140,000, both in Clinton Co. Grand total $459,000.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to Eastern Constr. Co., 878 Franklin Pl., improving Gorden St. $1,285—to W. F. Hunt, 445 Milwaukee St., Hopkins St. $36,519 62nd St. $3,798 to Czerwinski Constr. Co., 816 Clinton St., Moltke Ave., $14,941—to J. C. Bluhm, 1299 Achilles Ave., Townsend St. $3,912—to Gumz & Switalski, 831 13th Ave., Weil St. $1,021—to White Constr. Co., 68 East Wisconsin Ave., East Water St. $20,554, Ogden Ave. $24,811, State St. $35,428. Grand total $142,269. Noted Nov. 22.

Iowa—State Hy. Comn., Ames, to J. P. Abramson, 2902 Cottage Grove Ave., Des Moines, paving 9.142 mi. Butler Co. $236,539; 4.88 mi. Grundy Co. $124,111—to McCarthy Impvt. Co., Kahl Bldg., Davenport, 17.274 mi. Jones Co. $449,533—to Moran Constr. Co., Omaha, Neb., 11.068 mi. Pottawattamie Co. $252,082—to Harrison Eng. & Constr. Co., Mutual Bldg., Kansas City, Mo., 4.163 mi. Cerro Gordo Co. $93,392; 13.9 mi. Harrison Co. $325,566; 11.6 mi. Harrison Co. $250,977; 10.594 mi. Monona Co. $246,261; 6.977 mi. Worth Co. $155,397—to G. W. Condon, 415 Farnum Bldg., Omaha, Neb., grading 1.51 mi. Fremont Co. $13,084—to V. L. Lundeen, Missouri Valley, 2.412 mi. Marion Co. $29,034. Grand total $2,175,975. Noted Nov. 22.

Kan., Abilene — Dickinson Co., sand graveling 9 mi. Project 4-13-K704, to W. D. Shay, McPherson, $17,226—7.4 mi. Project 4-14-K 705, to F. F. Eberhardt Paving Co., Salina, $14,124. Noted Nov. 8.

Kan., Independence — Montgomery Co. grading, bridging 4.973 mi. Federal Aid Project 285, Sect. B, 30 ft., to A. G. Sherwood, Independence, $30,631. Noted Oct. 25.

Kan., Marion — Marion Co., improving 12.369 mi. Federal Aid Project 317-B, U. S. Rd. 50-N, road work and 2 bridges to Campbell Bros., 608 Manufacturers Exch. Bldg., Kansas City, Mo., $75,586 and $7,698 respectively—1 bridge, to J. E. Hed, Salina, $6,285—1 bridge, to Mid-State Constr. Co., Hastings, Neb. $8,413. Grand total $97,982. Noted Nov. 8.

Montana — State Hy. Comn., Helena, crushed graveling 9.84 mi. Rosebud and Custer Counties, to Basin Constr. Co. & Herbert Mills, Basin, Wyo., $27,720—10.459 mi. Cascade Co., to L. P. Thornquist, Great Falls, $26,979—9.381 mi. Fergus Co., to J. L. McLaughlin, Choteau, $25,177—bridges in Lewis and Clark Co., to E. R. Hays, Bozeman, $12,276. Grand total $92,152. Noted Nov. 15.

Mo., Independence—Jackson Co., grading, concrete paving 4.311 mi. Oak Grove Rd., and 3.394 mi. Oak Grove Rd. from Oak Grove to Mecklin School, to C. H. Atkinson Paving Co., Watertown, S. D., $110,491 and $94,932 respectively; bridges on Oak Grove Rd. from Sni Mills to Mecklin School, to G. W. Condon, 223 Grain Exch. Bldg., Omaha, Neb., $64,258. Grand total $269,681. Noted Oct. 25.

Mo., Plattsburg — T. F. Downey, clk., grading, curbing, 7 in. concrete paving 11,335 sq.yd. Bway., to E. D. Tyner Constr. Co., 14th St. and Elmwood Ave., Kansas City, $33,933. Noted Nov. 8.

Texas—G. Gilchrist, state hy. engr., Austin, grading, bridging 12.12 mi. hy. Leon Co., to B. F. Brooks Constr. Co., Love Field, Dallas, $88,830—17.193 mi. Shackelford Co., to E. F. Bucy & Son, and C. T. Childs, P. O. Box 177, Rising Star, $99,725—7.837 mi. Archer Co., to Burges & Gilstrap, Iowa Park, $22,294—7.709 mi. Matagorda Co., to Chiles & Jensen, Palacios, $30,266—12.561 mi. Matagorda Co., to S. F. Vann, P. O. Box 267, Trinity, $60,090—20.141 mi. Mitchell Co., to Tibbetts Constr. Co., 714 Neil P. Anderson Bldg., Ft. Worth, $100,147—19.256 mi. Knox Co., to Abe Anderson & Son, Bowie, $43,673—4.557 mi. Hays Co., to Bart & Moore, Inc., P. O. Box 862, San Antonio, $28,018—16.959 mi. Goliad Co., to Heldenfels Bros., Rockport, $57,664—6.794 mi. Bell Co., to C. C. Moore, Temple, $24,852—grading, bridging, gravel surfacing 20.005 mi. El Paso and Hudspeth Counties, to Lee Moore Constr. Co., El Paso, $127,789—bituminous macadam on gravel paving 7.819 mi. Nolan Co., to R. B. Sparks, 225 North Brighton St., Dallas, $55,995—grading, concrete curbing, bituminous filled brick on concrete paving 1 mi. Tarrant Co., to Standard Paving Co., 251 Majestic Bldg., Ft. Worth, $94,301. Grand total $833,644. Noted Nov. 8 and Nov. 15.

Tex., Corsicana—Navarro Co., grading, bridging, concrete paving 9 mi. Lateral Rd. 2, Sects. A, B and C, to F. P. McElwrath, Corsicana, $112,584.

Tex., Edinburg—Hidalgo Co., grading, bridging, concrete paving 101 mi. roads in Dists. 3, 4 and 7, Alamo, Edinburg and Donna, to W. L. Pearson & Co., 806 Nixon Bldg., Corpus Christi, $1,827,448. Noted Oct. 25 and Nov. 1.

Streets and Roads (Continued)

Tex., El Campo—City Comrs., for permanent paving, to Texas Willite Co., Grayson and McCall Sts., Houston, $134,620. Est. $150,000. Noted Oct. 25.

Tex., Houston—For 3 in. brick on 8 in. concrete paving Navigation Blvd. to A. M. Arnold & Co., 113 North Buffalo St., $45,577 est. $60,000; permanent paving Lowell and Brunner Sts., to S. Shambaugh, 1401 Dowling St., $121,045, est. $150,000. Noted Nov. 22.

Tex., Lefors—Gray Co., vibrolithic concrete paving 3.7 mi. oil field road south of Pampa, to Stuckey Constr. Co., Wichita Falls and Pampa, $106,560; grading 6 mi. Hy. 33, to J. P. Foty, Wichita Falls, $38,000. Noted Oct. 11.

Tex., Rockdale — City, 7 in. concrete paving 119,000 sq.yd., concrete curbing 56,000 lin.ft., to F. P. McElwrath, Corsicana, $258,006. Noted Nov. 1.

Okla., Allen—Grading, paving 8 blocks Broadway Ave., 30-76 ft., to Fry Bros., Ada, $42,260. Est. $45,000. Noted Nov. 1.

Okla., Chickasha — Grading, paving 9 blocks Dist. 38, to Edminston Constr. Co., Chickasha, $26,654. Est. $28,410.

Okla., Oklahoma City — Grading, sheet asphalt paving 15,000 sq.yd. Towers Court, East Ave. and 23rd St., to Granite Bituminous Paving Co., Railway Exch. Bldg., St. Louis, Mo., $78,898. Est. $82,000.

Okla., Oklahoma City—Oklahoma Co., grading, graveling 3 mi. Sect. 6, 28 ft., to Maney & Alley, Empire Bldg., $26,700. Est. $28,000. Noted Nov. 8.

Okla., Tulsa—Grading, curbing, sewers, water line, 7 in. concrete paving 7,413 sq. yd. Gary and 17th Sts., Impvt. Dist. 901, to Standard Paving Co., 215 East 2nd St., $22,419. Est. $29,098. Noted Oct. 25.

Colo., Denver—C. D. Vail, mgr. Parks & Impvts., curbing, surfacing all streets bounded by East 6th and East 13th Aves., Dahlia St. and Colorado Blvd., to H. C. Lallier Constr. Co., Continental Trust Bldg., gravel $62,289 or crushed rock $66,380.

Colo., Las Animas — Paving business streets, to E. Thwaits, 669 Lafayette St., Denver, $60,000.

Idaho—State Hy. Comn., Boise, crushed rock surfacing 7,300 cu.yd. F.A.P. 139-B, to S. Orino, Spokane, Wash., $42,413; crushed graveling 2,900 cu.yd. State Aid Project 80-B, to Duffy Reed, Twin Falls, $7,747.

Idaho—State Hy. Comn., Boise, grading, graveling 11,600 cu.yd. State Aid Project 135-A, to O. Nelson, Logan, Utah, $28,726; improving 3.739 mi. Jerome Co., to Joslin & McAllister, Spokane, Wash., $13,384.

Arizona — State Hy. Comn., Phoenix, improving 14 mi. Casa Grande-Gila Bend Hy., Sect. B, to W. M. Tenney, Jr., Alpine, Alternate B $35,464—bridge culverts on Superior-Miami Hy. A.F.E. 666 and 655, to R. H. Martin, Tucson, $12,475—concrete culvert on Phoenix-Temple Hy., to H. A. Hazzard, Tempe, $3,076. Grand total $51,015. Noted Nov. 8.

Washington—See "Bridges."

Wash., Seattle—Bd. P. Wks., grading, concrete sidewalks on Adams St., to Joe Paduano & Co., 7301 Dibble Ave. N. W., $64,806.

California — State Hy. Comn., Sacramento, grading, concrete paving 7.2 mi. San Diego Co., to Basich Bros. Constr. Co., 3788 South Vermont St., Los Angeles, $259,100; grading, surfacing 2.9 mi. Placer Co., to J. E. Johnson, Stockton, $47,092. Noted Oct. 25.

California—State Hy. Dpt., Sacramento, grading, concrete paving 3.3 mi. San Luis Obispo Co., 20 ft., to Cornwall Constr. Co., Santa Barbara, $132,713—1.8 mi. Fresno and Madera Counties, 20 ft., to Hanrahan Co., Standard Oil Bldg., San Francisco, $83,709 — grading, bituminous macadam paving 3 mi. Marin Co., 24 ft., to Granfield, Farrar & Carlin, 67 Hoff St., San Francisco, $103,828 — grading, oil treated crushed rock surfacing 20.8 mi. San Bernardino Co., 20 ft., to Dillon & Boles, 118 North Crescent Blvd., Los Angeles, $237,696. Grand total $557,946. Noted Nov. 29.

Calif., Long Beach—Curbing, walks, improving 56th and 57th Sts., to P. L. Hedrick, 1016 Sanborn Ave., Los Angeles, $53,287.

Calif., Los Angeles — Curbing, resurfacing, sidewalks, concrete paving 35,759 ft. Bedford St., to G. H. Oswald, 366 East 58th St., $415,197; 3,781 ft. Tyrone Ave., to Griffith Co., 502 Los Angeles Ry. Bldg., $40,959.

Calif., Monterey Park — Grading, 9-7-9 in. concrete paving 657,736 sq.ft. and 3 in. asphaltic concrete paving 377,320 sq.ft. both on disintegrated rock base A. & I. 2, Atlantic Ave., to G. H. Oswald, 366 East 58th St., Los Angeles, $335,678. Noted Nov. 8.

Calif., San Diego — Paving, improving Foothill Blvd., to Watson & Sutton, Nowell Bldg., $54,991. Noted Nov. 22.

Calif., San Diego—Grading, curbing, concrete sidewalks, 6 in. concrete paving 106,169 sq.ft. Coast Blvd., to Watson & Sutton, Box 396, $30,926. Noted Nov. 22.

Calif., Yuba City — Supervs. Sutter Co., grading, asphaltic concrete paving 6 mi. Feather River Rd., to M. J. Bevanda, Marysville and Stockton, $78,710. Noted Nov. 1.

Ont., Toronto—Concrete curbing, guttering, sheet asphalt on concrete paving south side Commissioners St., to Kilmer & Barber, 10 Adelaide St. E., $30,411; north side Commissioners St., to Godson Contg. Co. Ltd., 203 Richmond St. W., $34,704.

Public Bond Elections

Coming Bond Elections

Waterworks—Edison, Neb., Dec. 17, $18,000.
Waterworks—Bison, Kan., Dec. 11, $30,000.
Waterworks—Odell, Neb., Election soon, $30,000.
Waterworks—Steel City, Neb., Dec. 4, $16,000.
Waterworks—Terrell, Okla., Dec. 7, $20,000.
Waterworks—Lucas Co., Toledo, O., selling $26,770. Dec. 6.
Sewers — Detroit Lakes, Mich., Dec. 18, $80,000.
Sewers—Colorado Springs, Colo., in April $70,000.
Bridge—Wheeling, W. Va., $1,600,000.
Roads—Green Lake, Wis., Jan. 8, $905,000.
Schools—St. Cloud, Minn., $275,000.
School—Piedmont, Calif., $175,000.
School—Ukiah, Calif., $150,000.

Bonds Voted

Waterworks—Sudan, Tex., $47,000.
Waterworks—Winters, Tex., $46,000.
Waterworks—Konawa, Okla., $85,000.
Waterworks—Luther, Okla., $85,000.
Waterworks—Clympia, Wash., $225,000.
Sewers—Hazelton, Pa., $400,000.
Sewers—Emporia, Kan., $108,000.
Bridges — University (br. St. Louis) Mo., $75,000.
Parks — University (br. St. Louis) Mo., $450,000.
Subway—Emporia, Kan., $55,000.
Schools—Macon, Ga., $500,000.
Roads—Shawno, Wis., $150,000.

Bonds Defeated

Waterworks—Golden City, Mo., $70,000.
Waterworks—Holdenville, Okla., $225,000.
Sewers—Golden City, Mo., $30,000.
Airport—Emporia, Kan., $40,000.
Roads—Clarendon, Tex., $1,000,000.
Roads—Macon, Ga., $500,000.

Buildings—Industrial

Proposed Work

Mass., Fall River — SERVICE, SALES and REPAIR GARAGE—Borden-Remington Co., 115 Anawam St., revised plans by E. M. Corbett, 167 Bedford St., 1 story, basement, 75 x 100 ft., brick, steel, plain found., Pleasant St. $45,000. Former bids rejected. Noted Apr. 5.

Mass., Lowell—PLANT—Merrimack Mfg. Co., Dutton St., A. Lyman, pres., brick additional unit, plain found., Dutton St. $40,000. Private plans.

Mass., Worcester—SERVICE GARAGE, FILLING STATION and REPAIR SHOP—D. F. Daly, 1053 Main St., plans by G. C. Walcott, 32 Franklin St., 1 story, 100 x 135 ft., brick, steel, plain found., Madison St. $60,000.

R. I., Pawtucket—MILL—Acme Finishing Co., M. Decker, in charge, addition to mill Front St. $40,000 or more. Engineer and architect not selected.

Conn., Hartford—BROADCASTING STATION—Travelers Insurance Co., W. T. I. C., Grove St., plans by Voorhees, Gmelin & Walker, 101 Park Ave., New York, 2 story, basement, 50 x 75 ft., brick, steel, on Avon Mountain. To exceed $150,000.

Conn., Hartford—GARAGE—I. Boyland, 112 Lafayette St., Stamford, plans by W. W. Dolliver, 136 Kent St., 1 story, 50 x 142 ft., brick, steel, concrete, Chapel St. $50,000.

Conn., Norwalk—SERVICE and SALES STATION—W. R. Austin, Washington St., South Norwalk, plans by Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, 1 story, 60 x 250 ft., brick, steel, artificial stone, West Ave. $125,000.

N. Y., Brooklyn—FACTORY—See "Contracts Awarded."

N. Y., Brooklyn — FACTORY — Thamas Trading Co., Inc., L. Hirsch, pres., 40 Thames St., plans by M. Klein, 65 Court St., 4 story, 115 x 160 ft., brick, McKibben and White Sts. $175,000.

N. Y., Brooklyn—GARAGE—S. Manlay, c/o M. Klein, archt., 65 Court St., 1 story, 100 x 115 ft. garage, Lynch St. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Corporation, c/o S. Katz, 550 Bristol St., plans by Cohn Bros., 361 Stone Ave., 1 story, 100 x 114 ft., brick, concrete, Dean St. and Rochester Ave. $50,000.

N. Y., Brooklyn—SERVICE GARAGE—J. M. Maran, 119-11 196th St., St. Albans, plans by H. M. Sushan, 367 Fulton St., 1 story, 90 x 100 ft., brick, concrete, Gates and Bushwick Aves. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Baruch Lewitte, 8908 Northern Blvd., Jamaica, plans by M. Schantz, 25 Spruce St., New York, 2 story, 82 x 237 ft., brick, concrete, West 35th St. and Surf Ave. $100,000.

N. Y., Brooklyn—SERVICE GARAGE—P. Schwartz, Manhattan Ave. and Richardson St., plans by C. M. Spindler, 104 Montague St., 80 x 125 ft., brick, Manhattan Ave. and Richardson St. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—S. Manlay, c/o M. Klein, archt., 65 Court St., 1 story, 100 x 160 ft., brick, concrete, Middleton St. and Marcy Ave. $50,000.

N. Y., Brooklyn — SERVICE GARAGE and LOFT—M. Bergrenn, 552 Ovington Ave., plans by W. E. Martin, 9401 5th Ave., 2 story, 80 x 81 ft., brick, 64th St. and 7th Ave. $40,000.

N. Y., Jamaica — MANUFACTURING and GARAGE — Tulles & Hares, Inc., 21 Hillcrest Ave., plans by W. Sanborn, c/o owner, 4 story, 51 x 103 ft., brick, Beaufort Ave. and Rockaway Blvd. $50,000.

N. Y., New York — CREAMERY — Sheffield Farms, Inc., 524 West 57th St., bids early in January, altering creamery, 527 West 125th St. To exceed $40,000. F. A. Rooke, 12 East 41st St., archt.

N. Y., New York — FACTORY — J. Cestari, 630 Sackett St., bids in December or January, 2 story, 60 x 100 ft., brick, Sackett St. $40,000. Lama & Proskaner, 391 Fulton St., archts. Noted Nov. 1.

N. Y., New York—GAS STATION and GARAGE — A. Le Pinto, 2005 Stillwell Ave., plans by R. Ludwig, 316 West 57th St., New York City, 2 story, 91 x 115 ft., brick, concrete, Hubbard St. and Neptune Ave. $100,000.

N. Y., Richmond Hill (Ind. br. Jamaica) —MILK DEPOT — Sheffield Farms, 524 West 57th St., New York, plans by F. A. Rooke, 12 East 41st St., New York, 3 story milk depot. $150,000.

N. J., Kearny (sta. Arlington)—FACTORY—Western Electric Co., 195 Bway., New York, soon lets contract four 6 story, basement, brick, steel buildings, plain founds. $1,250,000. Private plans. Noted Nov. 15.

N. J., Newark—ICE PLANT—B. Leibal, 250 Badger Ave., 2 story, brick, steel, plain found., 250-70 Badger Ave. $75,000. Private plans.

Pa., Ambridge—TUBE MILL—Standard Seamless Tube Co., 1 story, brick, steel addition. $500,000. Private plans. H. M. Wharton, c/o owner, engr.

W. Va., Huntington—LOCOMOTIVE REPAIR SHOPS—"See Railways under West Virginia."

Ga., Atlanta—LAUNDRY—Stoddard Dry Cleaning & Dyeing Co., 18 Fort St., plans by G. L. Preacher, Wynne Claughton Bldg., 2 story, basement, 200 x 296 ft., three 25 x 100 ft. stores, brick, timber, Peachtree and 3rd Sts. Noted Nov. 22.

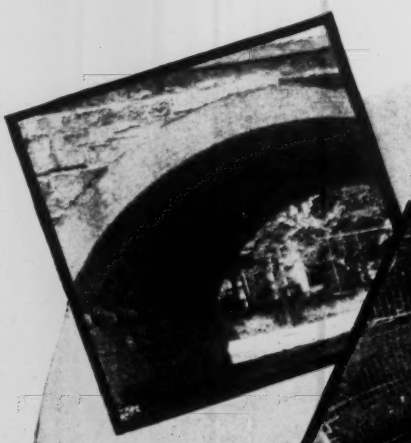
Ky., Ft. Thomas—ICE PLANT—City Ice & Fuel Co., E. C. Balzhizer, vice pres., 6611 Euclid Ave., Cleveland, O., plans by W. A. Schmid, 3220 Jefferson Ave., Cincinnati, O., rein.-con., brick. $60,000.

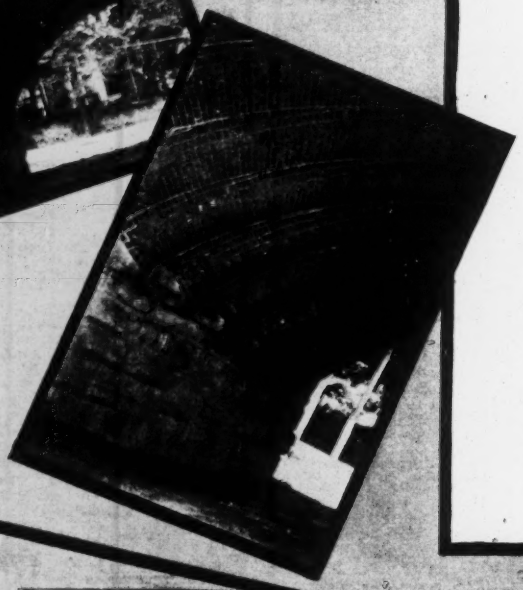
Ky., Russell—CAR REPAIR SHOPS—"See Railway under West Virginia."

O., Cleveland—FACTORY—Easton Axle & Spring Co., C. J. Ochs, pres., East 65th St. and Central Ave., plans by George S. Rider Co., Century Bldg., 1 story, 51 x 130 ft., brick, steel, East 69th St. and Central Ave. $40,000.

Constr. News page 303

Good Old Common Brick





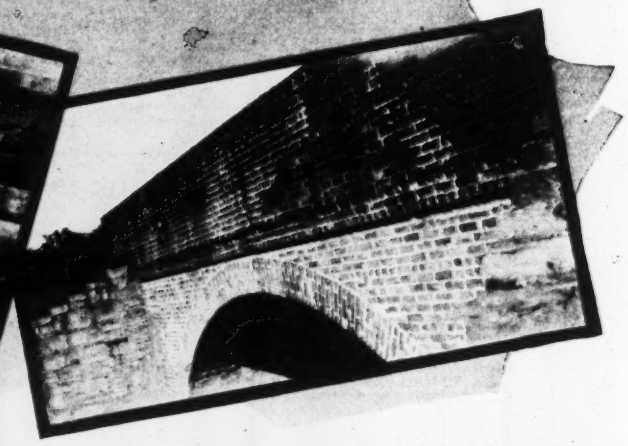
Some of this country's famous engineers tell us that when they have to design masonry structures to safely carry the heaviest loads they use good, old common brick masonry, and forget all fear of subsequent failure or deterioration.

When heavy loads and impact and vibration forces have to be resisted in a structure which must last for all time without maintenance costs, you can depend upon brick masonry. No other material can exceed and but few equal its record.

At the left are shown two views of Brick Skew Arch Bridge, Locust Valley, N. Y. carrying Long Island traffic since 1889.

Below are shown two views of Brick Arch at Yaphank, N. Y., carrying Long Island Railroad traffic since 1849.

After years of constant use, Engineer of Bridges, Frederick Auryansen says both bridges are in excellent condition.



Strength and Other Physical Properties of Brick Masonry

This paper

gives in detail the results of these tests made by the Bureau of Standards and shows the strength AND OTHER PHYSICAL PROPERTIES of brick masonry. Write for a copy—no obligation.

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CLEVELAND
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DENVER
1735 Stout Street
DETROIT
100 U. S. Mortgage Trust Bldg.
HARTFORD
226 Pearl Street
LOS ANGELES CALIF.
634 Chamber of Commerce Bldg.
NEW ORLEANS LA.
727 Canal Bank Bldg.
NEW YORK CITY
1716 Grand Central Terminal

THE COMMON BRICK MANUFACTURERS' ASSOCIATION OF AMERICA

2121 Guarantee Title Building
CLEVELAND, OHIO

BRICK *forever*

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These District Association Offices and Brick Manufacturers Everywhere

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1420-2 Walnut Street
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524 Fourth Avenue
RALEIGH, N. C.
508 Commercial Nat'l Bank Bldg.
ROCHESTER, N. Y.
P. O. Box 773
SALT LAKE CITY
301 Atlas Block
SAN FRANCISCO, CALIF.
301 Sheldon Bldg.
SEATTLE
913 Arctic Bldg.
VANCOUVER, B. C.
701 British Columbia Min'g Bldg.

Buildings—Industrial (Continued)

O., Cleveland—FACTORY—Great Lakes Aircraft Corp., c/o C. F. Van Sicklen, 16800 St. Clair Ave., brick factory extension. $40,000. Private plans.

O., Cleveland—FACTORY—Natl. Lamp Wks. of General Electric Co., Nela Park, 1 story, 80 x 100 ft., rein.-con., brick addition, Nela Park. $40,000. Private plans.

O., Cincinnati — FACTORY — P. Goldsmith Sons Co., Findlay and John Sts., plans by Fechheimer & Ihorst, 1010 Schmidt Bldg., 5 story, rein.-con., brick addition, Findlay St. $150,000.

O., Cincinnati — HEATING PLANT — Union Gas & Electric Co., 4th and Plum Sts., W. W. Freeman, pres., central heating plant. $2,000,000. Columbia Eng. & Management Corp., 61 Bway., New York, engrs.

O., Hill Top (br. Columbus) — ICE PLANT — City Ice & Fuel Co., E. C. Balghizer, vice-pres., 6611 Euclid Ave., Cleveland, plans by W. A. Schmid, 3220 Jefferson Ave., Cincinnati, 1 story, brick, steel plant. $75,000.

O., Rossford—PHOTO GLASS FACTORY—Ford Plate Glass Co. 250 x 300 ft. and 140 x 1,100 ft. factory. A. Goodwillie, c/o owner, ch. engr.

O., Westwood (br. Cincinnati) — ICE PLANT—City Ice & Fuel Co., c/o E. C. Dalzhizer, vice pres., 6611 Euclid Ave., Cleveland, plans by W. A. Schmid, 3220 Jefferson Ave., Cincinnati, 1 story, rein.-con., brick, steel plant. $75,000.

Ind., Fairmount—PLANT—Fairmount P. P. Co. rebuilding plant, destroyed by fire. $150,000 loss.

Ind., South Bend — PLANT — Service Printing Co. plans by C. E. Miller, 210 Union Trust Bldg., rein.-con., brick, 200 South St. $45,000.

Ind., Valparaiso — FACTORY and POWER HOUSE — Fibroc Insulating Co., plans by Lockhart & Fett, 457 Associates Bldg., 1 story, 112 x 350 ft., brick, steel, $100,000.

Mich., Big Rapids—SUGAR REFINERY—National Artichoke Products Co., W. D. Fast, pres., artichoke sugar refinery, rein.-con., steel, plain found., $100,000. Engineer and architect not selected.

Mich., Detroit—FACTORY—Zenith Detroit Corp., Hart Ave., plans by Donaldson & Meier, 1188 1st Natl. Bldg., 2 story, 60 x 120 ft., rein.-con., brick, steel, plain found., Lycaste Ave. $50,000.

Mich., Pontiac—PRODUCTS PLANT—Concrete Unit Mfg. Co., 1710 Industrial Bank Bldg., Detroit, plans by A. O. Thomas, 1127 Detroit Savings Bank Bldg., Detroit, 2 and 3 story, rein.-con., brick, plain found., Leach Rd. $50,000.

Ill., Chicago—FACTORY—Pines Winterfront Co., 408 Sacramento Blvd., 2 story, rein.-con. automobile winterfront factory, 408 Sacramento Blvd. $1,000,000. Engineer and architect not selected.

Minn., Minneapolis—CREAMERY—Land O'Lakes Creameries, A. J. McGuire, genl. mgr., 2201 Kennedy St. N. E., plans by Ekman, Holm & Co., 601 Phoenix Bldg., 2 story, basement, 100 x 130 ft., rein.-con., brick addition, 2201 Kennedy St. N. E. $150,000.

Minn., Minneapolis — FACTORY — Grau-Curtis Co., 613 1st Ave. N.E., soon takes bids 2 story, 137 x 144 ft., brick, timber, 1st Ave. N.E. $100,000. Lang, Raugland & Lewis, 412 Essex Bldg., engrs.

Minn., Minneapolis—FACTORY—Pioneer Gravel Equipment Mfg. Co., E. E. Ellertson, pres., 2005 University Ave., soon takes bids 1 story, 180 x 200 ft., steel, concrete block, University Ave. $60,000. Sund & Dunham, 512 Essex Bldg., engrs.

Minn., Minneapolis — FOUNDRY and MACHINE SHOP — Diamond Iron Wks., 18th Ave. N. and 2nd St., rein.-con., brick, 18th Ave. N. and 2nd St. $150,000.

Mo., St. Louis — INK PLANT — Hill-Hentschel Ink Co., 622 North Main St., 2 story, basement, 75 x 162 ft., rein.-con., brick, Laclede Ave. west of Sarah St. $60,000.

Mo., St. Louis—TRUCK BODY PLANT—Owner, c/o I. T. Cook Co., Arcade Bldg., plans by P. J. Bradshaw, 718 Locust St., 1 story, basement, 160 x 200 ft., rein.-con., brick, Forest Park Blvd. at Sarah St. $80,000. St. Louis Body & Equipment Co., lessee.

Ark., Little Rock—COLD STORAGE PLANT—Ark Cold Storage Co., C. E. Rose, mgr., soon takes bids 2 story, rein.-con., brick, foot of Rock St. $200,000.

Texas — CASINGHEAD GASOLINE PLANT—Phillips Petroleum Co., Bartlesville, Okla., 4 unit casinghead gasoline plant in Jones Co. $60,000. A. H. Rinly, Bartlesville, Okla., engr.

Tex., Lufkin—ICE PLANT—Lufkin Ice Co., c/o J. L. Phillips, pres., Lufkin, 1 story, brick, steel, concrete, 60 ton capacity ice plant. $100,000. Private plans.

Okla., Bristow—REFINERY—Wilcox Oil & Gas Co., 310 West 6th St., Tulsa, 2,000-bbl. oil refinery. $40,000. Private plans.

Okla., Oklahoma City — FACTORY — Prest-O-Lite Co., 1520 West 35th St., Chicago, Ill., S. Draper, secy., sketches factory. $50,000. Private plans.

Okla., Oklahoma City—SPRING FACTORY—A. & B. Spring Co., 719 West Main St., 1 story, 75 x 140 ft., brick, 10th St. and Bway. $60,000. Engineer and architect not selected.

Okla., Yale—ICE PLANT—Yale Utility Co. sketches 25 ton raw water ice plant. $40,000. Private plans.

Wash., Bellingham—STORAGE and DISTRIBUTING PLANT—Union Oil Co., 40 x 60 ft. warehouse, 37,500, 12,000, 2,500 and three 2,000-bbl. storage tanks, McKenzie Ave. $150,000.

Wash., Seattle — IRON WORKS—Isaacson Iron Wks., 2917 East Marginal Way, 2 story, 70 x 240 ft., steel, 2917 East Marginal Way. $100,000.

Ont., Hamilton — BAKERY — Browns Bread Ltd., 462 Eastern Ave., Toronto, rein.-con., brick, steel, plain found. $150,000. Engineer and architect not selected.

Ont., Milverton — FACTORY—Honderich Furniture Co., concrete, brick, steel addition. $50,000. Engineer and architect not selected.

Ont., Toronto—FACTORY and OFFICE—Riley Eng. & Supply Co., 360 Dufferin St., 1 and 2 story, concrete, brick, steel, Sidney St., York Twp. $75,000-$100,000. Private plans.

Ont., Windsor — FACTORY — Swedish Crucible Steel Co., McDougall St., N. Olson, mgr., factory addition. $50,000.

B. C., New Westminster — GLASS BOTTLE FACTORY — Company being formed, glass bottle factory, City Industrial Area. $250,000. Engineer and architect not selected.

Bids Asked

Me., Bath—DAIRY PLANT—Oakhurst Dairy Co., c/o Cushman Baking Co., taking bids 1 story, brick, plain found., Center St. $40,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt.

Mass., Leominster—SERVICE and REPAIR GARAGE—G. H. Radford, c/o H. L. Meacham, archt., 120 Front St., Worcester, taking bids 1 story, brick, steel, plain found., 650 North Main St. $40,000.

Mass., Malden (br. Boston)—FREIGHT HOUSE—See "Unclassified."

Mass., Worcester — FACTORY — Bieber Polar Soda Co., 111 Summer St., taking bids altering and constructing 1 story, 75 x 100 ft., brick addition, concrete found., Summer St. $40,000. G. A. Johnson, 16 Norwich St., archt.

R. I., Woonsocket—PLANT—American Paper Tube Co., Hazel St., taking bids 1 story process building addition, concrete, plain found. $40,000. W. F. Fontaine, 285 Main St., archt.

Conn., Hartford—FACTORY—Hart Mfg. Co., Hamilton St., taking bids 1 story, 60 x 122 ft., brick, rein.-con., Bartholomew Ave. $45,000. Mylchreest & Reynolds, 238 Palam St., archts.

Conn., Norwalk—SERVICE GARAGE—Dec. 7, by W. R. Austin, Washington St., 1 story, basement, 60 x 250 ft., brick, steel, West Ave., $125,000. Fletcher-Thompson Inc., 542 Fairfield Ave., Bridgeport, archt.

N. Y., Brooklyn—MILK DEPOT—Ferndale Farms, Inc., I. Kotcher, pres., 1678 Bergen St., taking bids general contract 2 story, 100 x 200 ft., brick, Liberty and Snediker Aves. $40,000. E. M. Adelsohn, 26 Court St., archt. Noted Nov. 15.

N. Y., New York—BAKERY—D. Perlman, 813 Allerton Ave., taking bids separate contracts bakery, White Plains Rd. and Mace Ave. R. Gottlieb, 400 East Tremont Ave., archt.

N. Y., Rochester—FACTORY—Dec. 10, by S. Firestone, engr., 59 South Ave., 1 story, basement, brick, steel, timber, plain found., St. Paul St. for Hickok Mfg. Co., 299 State St. Est. $500,000.

Pa., Coatesville — CARBONIZATION PLANT — See "Contracts Awarded."

O., Cleveland — COLD STORAGE and KITCHEN — Dec. 26, by J. E. Harper, dir. P. Welfare, Columbus, 2 story, basement, 80 x 90 ft., concrete, brick, at State Hospital. $125,000. H. B. Briggs, Ohio Hartman Bldg., Columbus, archts. Noted Oct. 11.

O., Wilberforce — POWER HOUSE — Dec. 27, by J. O. Haithcox, secy., Bd. Trustees Wilberforce University, 47 x 85 ft., concrete, brick, on campus. $150,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt. Noted Oct. 25.

Mich., Detroit — FACTORY — Lane, Davenport & Peterson, engrs. and archts., Charvlevoix Ave., taking bids and open same about Dec. 10, 1 story, 120 x 125 ft., rein.-con., brick, steel. Woodrow Wilson Ave., for Gorham Tool Co., 2206 12th St. Noted Nov. 22.

Mich., Detroit — TRUCK FACTORY — Dec. 13, by F. J. Winter, archt., 2112 Book Tower Bldg., 2 story, 60 x 400 ft., brick, steel addition, plain found., Federal Ave., for Federal Motor Truck Co., 5780 Federal Ave. $250,000. Noted Nov. 29.

Calif., Santa Clara — FACTORY — See "Contracts Awarded."

Ont., Cardinal—STARCH PLANT—See "Contracts Awarded."

Bids Received

O., Cleveland — INDUSTRIAL — State, c/o J. E. Harper, dir. P. Welfare, Columbus, Nov. 22, 1 story, 105 x 125 ft., rein.-con., brick, at State Hospital, from Dawson-Finan Co., 1552 East 26th St., $31,204. Noted Nov. 8.

Contracts Awarded

N. H., Walpole — PLANT — American Mineral Products Co. Inc., 1 story, 60 x 230 ft., brick, steel, feldspar grinding plant, Cold River, to Aberthaw Constr. Co., 80 Federal St., Boston, Mass. Est. $160,000.

Mass., Boston — FREIGHT HOUSE — New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, Conn., 1 story, 60 x 650 ft., brick, steel addition, plain found., to Long Constr. Co., Park Sq. Bldg. Noted Nov. 15.

Mass., Boston—SERVICE and REPAIR GARAGE, etc. — J. Staffieri, 358 Medford St., Charlestown, 1 story, concrete, steel, garage and boiler house, plain found., to F. Santini, 15 Bowdoin St., Arlington. Est. $45,000.

Mass., Pittsfield—ICE PLANT—Berkshire Sanitary Ice Co., J. Everwein, 153 Seymour St., 1 story, brick, Curtis St., to W. L. Goetz, 16 Kenwood St. Est. $50,000.

Mass., South Boston (sta. Boston) — MANUFACTURING and COLD STORAGE—Commonwealth Ice & Cold Storage Co., Fish Pier, 1 story, concrete, 220 Northern Ave., to W. T. Reed Co., 201 Devonshire St., Boston. Est. $50,000.

Mass., Woburn—BOILER HOUSE—See "Unclassified."

R. I., Providence—REPAIR SHOP—P. Buildings Dpt., City Hall, 1 and 2 story, 85 x 200 ft. repair shop, and 7 story, 20 x 20 ft. drill tower, brick, to Balchin Constr. Corp., 75 Westminster St., $54,472. Noted Nov. 22.

Conn., Bristol — FACTORY — Sessions Clock Co., East Main St., 2 story, brick, to W. Duffy, 95 Lincoln St. Est. $40,000 or more.

Conn., New Haven—BOILER PLANT—New Haven Pulp & Board Co., 265 East St., 1 story, 31 x 65 ft., brick, steel, concrete addition, East St., to H. Wales Lines Co., 134 State St., Meriden, $43,100.

Conn., New Haven—PLANT—Koppers Co., Waterfront St., 1 story, 55 x 148 ft., brick, steel, concrete high pressure pump building, to Koppers Constr. Co., Alabama Ave., $60,000. Noted Mar. 8.

Conn., Stamford—FACTORY—Richards Co., Inc., Ludlow St., 3 units, 1 and 3 story, brick, steel, Ludlow St., to J. W. Ferguson & Co., 152 Market St., Paterson, N. J. Est. $70,000.

N. Y., Brooklyn — BAKERY — Corporation, c/o L. Gottlieb, 10 Avenue O, bakery, to Prospect Constr. Corp., 10 Avenue O. Est. $40,000. Noted Nov. 15.

N. Y., Brooklyn—FACTORY—Bushwick Can Co., 86 Butler St., 1 story, brick, Henry and West 9th St., separate contracts. $40,000. W. A. Lacerenza, 26 Court St., archt. Noted Nov. 15.

N. Y., New York—MANUFACTURING—Farmers Loan & Trust Co., 22 William St., altering 5½ story office and residence into manufacturing and showroom, to L. M. Neckerman, 103 Park Ave. Est. $75,000. Noted Nov. 22.

N. Y., Thiells—SERVICE—Commissioner Mental Hygiene, Capitol, Albany, addition to service building at Letchworth Village to Bedford & Lyle, Thiells, $35,606. Noted Oct. 4.

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Buildings—Industrial (Continued)

N. J., Bloomsbury—FACTORY—Warren Mfg. Co., 1 story, brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $60,000.

N. J., Nutley (br. Newark)—CHEMICAL and DRUG PLANTS—Hoffman La Roche Co., 19 Cliff St., New York, general contract one 4 story, basement, 110 x 165 ft., and three 1 story, rein.-con., brick, steel, Kingsland Rd., to J. W. Ferguson Co., 152 Marke tSt., Paterson. Est. $150,000. Noted Nov. 22.

Pa., Coatesville — CARBONIZATION PLANT — International Combustion Eng. Corp., 200 Madison Ave., New York, 6 retort plant, day labor. To exceed $1,000,000. Private plans.

Pa., McKees Rocks — MILL — Pressed Steel Car Co., Farmers Bank Bldg., Pittsburgh, general contract 1 story, steel, corrugated iron mill, to Pittsburgh Bridge & Iron Wks., Bessemer Bldg., Pittsburgh. Est. $40,000.

Pa., Scranton—SILK MILL—L. V. Lacy, archt., 45 Owen St., Forty Fort, 2 story, basement, 62 x 274 ft., brick, steel, plain found., to Sardoni Constr. Co., Forty Fort, for B. E. David, Inc., 325 Alder St. Est. $75,000. Noted Nov. 8.

Pa., Volant—BRICK PLANT—Pearson Brick Co., New Castle, 1 and 4 story, brick, steel plant. $150,000. Owner builds. Private plans.

Pa., Wilkinsburg — MILL — U. S. Chromium Corp., Pittsburgh, 1 story, 72 x 100 ft., brick, steel, Wallace and Pitt Sts., to Lambert & Youngh, 1010 Center Ave. Est. $40,000. Noted Nov. 29.

W. Va., Parkersburg—MILL—Parkersburg Corrugated Box Co., general contract 1 story, 50 x 290 ft., brick, steel addition, to Plate Constr. Co., Parkersburg. Est. $100,000.

Fla., Jacksonville — FACTORY — Linde Air Products Co., 30 East 42nd St., New York, factory, to O. P. Woodcock, Lutz Bldg.; steel work to Aetna Iron & Steel Co., 2340 Market St. Noted Apr. 26.

Miss., Durant — COLD STORAGE PLANT — Lewis Grocery Co., M. Lewis, pres., 2 story, rein.-con., brick, to O. E. Lewis Co., Inc., 853 Carondelet St., New Orleans, La. Est. $50,000.

La., Baton Rouge—PACKING PLANT—Armour & Co., c/o W. H. Quine, mgr., 556 Front St., 2 story, 100 x 160 ft., brick, concrete Europe St., to J. Powers, c/o job. Est. $100,000.

Ky., Louisville — SHOE FACTORY — United States Shoe Co., Duttenhofer Bldg., Cincinnati, O., 2 story, 58 x 500 ft., rein.-con., 1700 West Lee St., to Ferro Concrete Constr. Co., 3rd and Elm Sts., Cincinnati, O. Est. $125,000.

O., Barberton — ICE PLANT — Henry Coal & Ice Co., A. R. Henry, pres., 1 story, 90 x 100 ft., brick, steel, to Bernard Constr. Co., 221½ 3rd Ave. Est. $100,000. Noted Nov. 22.

O., Canton — FACTORY—Timken Roller Bearing Co., Dueber Ave., 100 x 150 ft. assembling plant, and 100 x 320 ft. bindery, each 1 story, brick, steel, concrete, Harrison Ave. S. W., to Melbourne Constr. Co., 116 Brant Bldg., $45,000 and $50,000 respectively. Noted Oct. 25.

O., Euclid (br. Cleveland)—MILL and POWER PLANT—Chase Brass & Copper Co., C. E. Hart, Jr., secy., Waterbury, Conn., 1 story, 225 x 1,000 ft. mill, 1 story, 200 x 200 ft. power plant, rein.-con., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland. Est. $1,250,000.

O., Euclid (br. Cleveland)—FACTORY—Geometric Stamping Co., D. R. Jones, pres., 221 East 131st St., Cleveland, 1 story, 250 x 600 ft., brick, steel, Chardon Rd., to Austin Co., 16112 Euclid Ave., Cleveland. Est. $600,000.

O., Willoughby—ICE PLANT—City Ice & Fuel Co., E. C. Balzhizer, vice pres., 6611 Euclid Ave., Cleveland, 1 story, 100 x 100 ft., brick, steel, to Reaugh Constr. Co., Engineers Bank Bldg., Cleveland. Est. $90,000. Noted Nov. 22.

O., Wooster—LAUNDRY—Mann Bros., 1 story, 70 x 100 ft., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland. Est. $40,000. Noted Nov. 1.

Ind., East Chicago—FOUNDRY—Amer. Steel Fdry. Co., 410 North Michigan Ave., Chicago, Ill., general contract 1 story, 75 x 100 ft., rein.-con., brick, steel, to Sumner-Sollitt, 307 North Michgian Ave., Chicago, Ill. Est. $40,000.

Ind., Ft. Wayne—FACTORY—Aichele & Sons, 2319 West Main St., general contract 1 story, 50 x 85 ft., brick, steel, to Rump Kintz & Co., 210 Medical Arts Bldg. Est. $40,000.

Ind., Ft. Wayne—MACHINE SHOP—C. R. Wermuth & Sons, 1036 St. Marys St., general contract 1 story, 72 x 108 ft., Pontiac St., to Kanning & Sons, 1240 Stophlet St. Est. $40,000.

Ind., Ft. Wayne—PLANT—DeLuxe Tire Co., general contract 1 story, 60 x 140 ft., rein.-con., brick, steel, Clay and Wayne Sts., to W. S. Sams, 2239 New Haven St. Est. $42,000.

Ind., Ft. Wayne—PLANT—Texas Co., general contract rein.-con. Connett Ave., to Buesching-Hagerman Co., 402 East Superior St.; plumbing and heating, to P. B. Arnold, 213 East Main St. Est. $40,000.

Ind., Indianapolis—FACTORY—Schwitzer-Cummins Co., 1125 Massachusetts Ave., general contract 125 x 145 ft., rein.-con., brick, steel, to Robt. Berner Co., 401 South Harding St. Est. $40,000.

Ind., South Bend—PLANT—Standard Oil Co., general contract rein.-con., brick, steel, 600 South Scott St., to Hay-Weaver Co., 2410 South Main St. Est. $60,000.

Ind., South Bend—SERVICE—D. A. Boswell, 213 South Main St., general contract 1 story, 66 x 165 ft., rein.-con., brick, to H. G. Christman, 306 South Notre Dame St. Est. $40,000.

Mich., Detroit—FACTORY—Timken Detroit Axle Co., Clark St., 2 story, rein.-con., brick, steel addition, plain found., Clark St., to C. O. Barton Co., 1900 East Jefferson Ave. Est. $50,000.

Mich., Detroit—FACTORY—Ajax Bolt & Nut Co., 6623 Gratiot Ave., 2 story, brick, steel, concrete, plain found., to A. Lapeirre, 1058 Marland Ave. Est. $40,000. Noted Nov. 8.

Mich., Detroit — POWER PLANT — P. Lighting Com., East Atwater St., steam condenser and auxiliary equipment for 4th turbine in Morrell St. Power Plant, to Elliott Co., 1835 Dime Bank Bldg., $82,500.

Mich., Ionia — AUTO BODY PLANT — Hayes Ionia Co., 3 story, 60 x 112 ft., and 85 x 86 ft., also two 1 story, 30 x 200 ft. buildings, to Owen Ames Kimball Co., 38 Pearl St., Grand Rapids. Est. $180,000.

Mich., Port Huron—ICE PLANT—Continental Ice Co., 7744 Jeffery Ave., Chicago, Ill., 2 story, 80 x 340 ft., rein.-con., brick, steel, plain found., Grand Trunk R.R. and 24th St., to Blome & Sinke Co., 33 South Clark St., Chicago, Ill. Est. $200,000.

Mich., St. Joseph — PLANT — Robinson Marine Constr. Co., 227 West Main St., Benton Harbor, 1 story, 3 units, 50 x 60 ft., 50 x 100 ft., and 8 x 180 ft., brick, steel, plain found., to M. W. Stock Constr. Co., Broad St. Est. $60,000.

Ill., Rock Falls — FACTORY — Russell Burdsall, c/o Ward Nut & Bolt Co., Rock Falls, 1 story, brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $40,000.

Wis., Manitowoc — FACTORY—National Tinsel Mfg. Co., 16th and Hamilton Sts., general contract 3 story, 52 x 150 ft., brick addition, to E. R. Herman, 1402 Hamil-

Wis., Milwaukee — FOUNDRY—Milwaukee Foundry Equipment Co., 284 7th Ave., general contract 2 story, 70 x 129 ft., brick, steel, rein.-con., South Pierce St., to Ed. Steigerwald & Sons, Inc., 5310 State St.

Wis., West Allis — FACTORY — Allis-Chalmers Co., 200 x 600 ft. factory, 100 x 200 ft. foundry, 100 x 150 ft., heating plant, each 1 story, brick, concrete, steel, Greenfield Ave., to W. W. Oeflein, Inc., 110 East Wisconsin Ave., Milwaukee.

Kan., Wichita—POWER HOUSE—See "Railways under Missouri."

Mo., Luxemburg (St. Louis P. O.) — POWER HOUSE—Titanium Pigment Co., 1 Sidney St., St. Louis, 1 story, 70 x 80 ft., rein.-con., brick, River Des Peres and Missouri Pacific R.R. t racks, to Fruin-Nolnon Constr. Co., Merchants-Laclede Bldg., St. Louis. Est. $40,000.

Ark., Pine Bluff—AUTO BODY PLANT—Seaman-Dunning Corp., 1 story, 218 x 280 ft., rein.-con., brick, steel addition, to E. C. Royce, Pine Bluff.

Texas — REFINERY PLANTS — Texas Co., Pt. Arthur, 5,000 tons steel for refinery plants at Amarillo and San Antonio, and 1,500 tons fabricated (structural) steel for plant near Port Arthur, to Petroleum Iron Wks., Beaumont. Noted Nov. 1.

Calif., Oakland — DISTRIBUTING PLANT—Shell Oil Co. of California, 200 Bush St., San Francisco, 2 story, 50 x 240 ft., rein.-con., incl. garage, pump house, Alameda Estuary, to G. Wagner, Inc., 181 South Park, San Francisco, $200,000. Noted Nov. 22.

Calif., Oakland—FACTORY—Sunset-McKee Sales Book Co., 1 story, 160 x 200 ft., steel, brick, Livingston St., to Austin Co. of California, 1924 Bway. $60,000. Noted Nov. 1.

Calif., Sacramento—BAKERY—Western Baking Co., 5th and J Sts., 2 story, basement, 50 x 75 ft., rein.-con., plain found., 5th and J Sts., to Lindgren & Swinnerton, California Life Bldg., $40,000.

Calif., Santa Clara—FACTORY—Pacific Mfg. Co., 1 story, 385 x 488 ft., timber, day labor. $250,000.

Calif., San Francisco — PACKING PLANT—P. Grasso,. 240 College Ave., 2 story, rein.-con., 4th and Bryant Sts., to S. A. Guisti, 200 Green St., $60,000.

Ont., Cardinal—STARCH PLANT—Canada Starch Co. Ltd., general contract 2 story, basement, 85 x 160 ft., rein.-con., brick, steel addition, plain found., day labor; structural steel, to Dominion Bridge Co., Lachine, Que. Est. $150,000.

Ont., Hamilton — FACTORY — Canadian Drawn Steel Co., 59 Gerrard St., H. J. Waddie, mgr., general contract 1 story, 60 x 90 ft., brick, steel addition, to Frid Constr. Co., 6 Hughson St. N. Est. $40,000.

Ont., Kitchener—FACTORY—Canadian Goodrich Co. factory addition, to Dunker Bros., 58 Louisa St. Est. $250,000. Noted Oct. 18.

Ont., St. Catharines—FACTORY—Grouts Ltd., 1 story, 50 x 218 ft., brick, steel addition, Welland Ave., to Wilde & Bryden, 1006 Canadian Pacific Ry. Bldg., Toronto; steel, to Standard Steel Constr. Co., Welland. Est. $45,000.

Ont., Windsor — FACTORY — Chrysler Corp. of Canada, J. D. Mansfield, mgr., 300 Tecumseh Rd., Unit 1, to Walbridge Aldinger Co., 2312 Penobscot Bldg., Detroit, Mich.; steel, to Canadian Bridge Co., Walkerville. Noted Nov. 8.

Buildings—Commercial

Proposed Work

Me., Portland — CLUB — Portland Boys Club, E. W. Hannaford,, 579 Congress St., plans by J. C. and J. H. Stevens, 477 Congress St., 2 story, basement, 110 x 170 ft., brick, plain found. $200,000.

N. H., Claremont—STORE and OFFICE —Claremont Furniture Co., M. Nassau, mgr., 65 Pleasant St., store and office building, Middle and Pine Sts. To exceed $150,000. Engineer and architect not selected.

N. H., Manchester—THEATRE—Strand Theatre, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, Mass., altering 1 story, basement, brick, steel, plain found., Hanover St. $150,000.

Mass., Brookline (br. Boston)—APARTMENT—Gay & Proctor, archts., 248 Boylston St., Boston, taking preliminary estimates 4 story, basement, brick, plain found., Leicester St., for M. Longyear, 60 Leicester St. $150,000.

Mass., Marblehead — HOTEL — Hotel Rockmere, R. O. Backett, 40 Gregory St., altering and constructing 1 and 4 story, basement, brick, stucco, plain found., incl. grading and landscape work. $160,000. E. M. Bridge, 284 Boylsotn St., Boston, archt.

Mass., Northampton — APARTMENT — G. M. Burns, 31 Elm St., Springfield, sketches by H. J. Tessler, 1132 Main St., Springfield, 4 story, basement, brick, plain found., North St. $150,000.

Mass., Northampton—WARD—Coolidge-Dickinson Hospital bids after Dec. 1, 3 story, basement, brick, maternity ward building, plain found. $150,000. K. S. Putnam, 78 Main St., archt. Noted Nov. 15.

Mass., Plymouth—STORE and OFFICE —M. Sadow, 33 Egmont St., Brookline, brick store and office, Court St. near Russell St. $150,000. Engineer and architect not selected.

R. I., Providence—STORES, APARTMENT and GARAGES—M. J. Kechijan, c/o H. B. Summer, archt., 352 Adelaide Ave., 1, 2 and 3 story, basement, irregular sized, brick, concrete, plain founds. $150,000.

Conn., Greenwich — HOSPITAL — St. Lukes Hospital, A. Clover, supt., 113th St. and Amsterdam Ave., New York, convalescent hospital, Byram Woods, near here. $500,000.

N. Y., Brooklyn—APARTMENT—Allen Realty Corp., R. R. Danzilo, pres., 50 Court St., plans by S. L. Malkind, 93 Court St., 6 stroy, 100 x 100 ft., brick, timber, Ocean Ave. and Avenue X. $200,000.

N. Y., Brooklyn — APARTMENT — C. Cascio & Co., 2106 77th St., plans by J. Lubroth, 44 Court St., 4 story, 90 x 100 ft., brick, timber, 75th St. $150,000.

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Buildings—Commercial (Continued)

N. Y., Brooklyn — APARTMENT — Corporation, c/o M. Goldberg, 16 Court St., plans by Ricca & Ungarleider, 186 Remsen St., 6 story, 87 x 120 ft., brick, timber, 51st St. and East 14th Ave. $200,000.

N. Y., Brooklyn — APARTMENT — S. Funt, 1515 West 1st St., plans by M. Rothstein, 186 Joralemon St., 4 story, 88 x 120 ft., brick, timber, West 11th St. and Avenue O. $150,000.

N. Y., Brooklyn—APARTMENT—Garfield Park Corp., A. W. Barler, pres., 162 Remsen St., plans by E. Roth, 1440 Bway., New York, 15 story, 100 x 165 ft., brick, Garfield Pl. $1,000,000.

N. Y., Brooklyn—APARTMENT—Hudson View Gardens, Inc., E. H. Patrick, pres., West 183rd St. and Pinehurst Ave., New York, plans by Boak & Paris, 11 West 42nd St., New York, 15 story, 80 x 100 ft., brick, timber, Prospect Park and President St. $600,000.

N. Y., Brooklyn—APARTMENT—Leuzzi Holding Corp., 659 Bay Ridge Ave., plans by A. J. Semberg, 1133 Bway., New York, 5 story, 85 x 113 ft., brick, timber, Bay Ridge and West 7th Aves. $165,000.

N. Y., Brooklyn — APARTMENT — C. Resnikoff, 6820 19th Ave., plans by S. C. Rice, 316 West 56th St., New York, 4 story, 64 x 94 ft., brick, timber, Colonial Rd. and Bay Ridge Ave. $150,000.

N. Y., Brooklyn—APARTMENT—Samfied Holding Corp., A. Fishland, pres., 1350 Ocean Parkway, plans by S. L. Nalkind, 93 Court St., 6 story, 90 x 100 ft., brick, timber, Avenue N and East 5th St. $200,000.

N. Y., Brooklyn — APARTMENT — J. Siegel, 285 Buffalo Ave., plans by E. M. Adelsohn, 26 Court St., 6 story, 87 x 95 ft., brick, timber, Ridgewood Ave. and Logan St. $230,000.

N. Y., Brooklyn—APARTMENT—Weiss Bros., 350 Stone Ave., plans by Cohn Bros., 361 Stone Ave., 6 story, 100 x 107 ft., brick, timber, Ocean Parkway and Avenue C. $215,000.

N. Y., Brooklyn — BANK — Brooklyn Trust Co., 177 Montague St., Park Slope Branch Bank, 7th Ave. and Carroll St. $150,000. Engineer and architect not selected.

N. Y., Flushing — APARTMENT — J. Kohneisio, 22 Bella Pl., Maspeth, plans by McManus & Griffith, 11 East 42nd St., New York, 4 story, 93 x 104 ft., brick, timber, 42nd Ave. and 201st St. $200,000.

N. Y., Long Beach—APARTMENT—I. Wolff, 14 East Market St., plans by Sugarman & Berger, 345 Madison Ave., New York, 6 story, brick, timber, National Blvd. $150,000.

N. Y., Long Island City—APARTMENTS—V. Coronoto, 31-13 21st St., plans by V. Schiller, 30-64 41st., Astoria, two 4 story one 50 x 88 ft., $60,000, other 75 x 90 ft., $90,000, brick, timber, 29th St. and 21st Ave.

N. Y., Long Island City—APARTMENT—Sixty-One Sanford Avenue Corp., 103 Park Ave., New York, plans by W. A. Creamer, Bible House, New York, 6 story, 90 x 120 ft., brick, timber, Sanford Ave. and Frame St. $210,000.

N. Y., New York—APARTMENT—Ciluzzi Realty Corp., R. Ciluzzi, pres., 200 West 72nd St., plans by G. F. Pelhan, 570 7th Ave., 6 story, brick, timber, 220 Northern Ave. $250,000.

N. Y., New York—APARTMENT—Corporation, c/o H. Lebow, 1 Audubon Ave., plans by G. G. Miller, 1482 Bway., 5 story, 80 x 100 ft., brick, timber, 168th St. and Audubon Ave. $225,000.

N. Y., New York—APARTMENT—One Hundred Five East 65th St. Corp., R. C. Brown, pres., 149 Bway., plans by J. E. R. Carpenter, 598 Madison Ave., 13 story, 79 x 120 ft., brick, steel, 623 Park Ave. $900,000.

N. Y., New York — APARTMENT — Thirty-One MacDougal Street Corp., N. J. Rosenberg, pres., 11 East 44th St., plans by J. B. Peterkin, 285 Madison Ave., 6 story, 35 x 75 ft., b rick, timber, 31 MacDougal St. $150,000.

N. Y., New York—APARTMENT—Three Hundred Twenty-Seven Central Park Corp., A. Preiffer, pres., 55 West 42nd St., plans by N. Karn, 55 West 42nd St., 16 story, 75 x 150 ft., brick, steel, 327 Central Park West. $700,000.

N. Y., New York—HOTEL—New York City Baptist Mission Society, E. L. Ballard, pres., 276 5th Ave., plans by E. Roth, 1440 Bway., 14 story, 100 x 105 ft., brick, steel, 168 2nd Ave. $1,100,000.

N. Y., New York—SERVICE GARAGE—Laura Realty Corp., Inc., S. Snow, pres., 200 West 72nd St., plans by W. C. Sommerfeld, 31 Union Sq., 5 story, 75 x 194 ft., brick, concrete, 524 East 73rd St. $150,000.

N. Y., New York—STORE and APARTMENT—American Realty Co., M. Davidson, treas., 160 Bway., plans by Starrett & Van Vleck, 393 7th Ave., 6 story, 89 x 92 ft., brick, steel, 1271 Bway. $200,000.

N. Y., Oneonta—BANK—Wilbur Natl. Bank, c/o E. Crippen, vice pres., Main St., sketches by Halsey, McCormick & Helmer, 286 5th Ave., New York, brick, steel, stone, Main St. $150,000.

N. Y., Richmond Hill (Ind. br. Jamaica) —APARTMENT—L. Shaffer, 26 Court St., Brooklyn, plans by Seelig & Finkeltsein, 66 Court St., Brooklyn, brick, timber, 88th Ave. and 92nd St. $350,000.

N. Y., Rochester—HOTEL—J. Jorastow, 176 Meig St., plans by Philips & Scrantom, Inc., 311 Alexander St., 8 story, basement, 110 x 150 ft., brick, tile, steel, plain found., Cumberland St. $1,000,000. Noted July 12.

N. J., Dunellen—THEATRE—Owner, c/o C. C. Bell, archt., 19 Union Ave., Cranford, sketches 2 story, basement, brick, steel, plain found. $150,000.

N. J., East Orange—APARTMENT—I. Rekoon, c/o M. Fischer, archt., 564 Main St., 4 story, basement, brick, steel, plain found., North Parkway and 4th Ave. $200,000. Noted Nov. 22.

N. J., Elizabeth — APARTMENT — E. Glueck, 81 Elmora Ave., sketches by W. L. Finne, 91 Broad St., 3 story, basement, brick, steel, 81-3 Elmira Ave. $150,000.

N. J., Englewood — APARTMENT — J. Sommers, Grand Ave., 4 story, brick, Grand and Chester Aves. $150,000. Engineer and architect not selected.

N. J., Englewood — STORE, APARTMENT and OFFICE—M. Pasternack, c/o Berthwhistle & Livingston, 5 Dean St., 3 story, basement, brick, steel, plain found., on 163 x 242 ft. site, Grand Ave. $150,000. Engineer and architect not selected.

N. J., Highland Park (br. New Brunswick)—APARTMENT—H. Soloman, c/o H. G. Bach, archt., 63 Schurman St., New Brunswick, 3 story, basement, 50 x 100 ft., brick, steel, plain found., Abbott St. $150,000. Noted Nov. 15.

N. J., Irvington (br. Newark)—APARTMENT—R. Krasny, 52 Hedden Terrace, 4 story, basement, 85 x 100 ft., brick, steel, plain found., 97-103 Ball St. $155,000. Kasoff & Flatt, 164 Market St., Newark, archt. Noted Nov. 22.

N. J., Jersey City—APARTMENT—A. A. Bernstein, 591 Park Ave., West New York, plans by G. B. McIntyre, 608 Park Ave., West New York, 4 story, basement, 50 x 100 ft., brick, plain found., 1200 Summit Ave. $150,000.

N. J., Jersey City — APARTMENT — Gorlin Constr. Co., Tube Concourse Bldg., 7 story, basement, brick, steel, plain found., Fulton and Sterling Aves. $150,000. Private plans. Noted Nov. 22.

N. J., Jersey City — APARTMENT — S. and S. Building Co., C. Shultze, 2 Boyd Ave., plans by E. M. Patterson, 76 Montgomery St., 4 story, basement, 50 x 100 ft., brick, steel, plain found., Clinton St. $150,000.

N. J., Jersey City — GARAGE — J. F. Boyle, 106 Glenwood Ave., 5 story, basement, brick, steel, plain found., Romaine and Sip Aves. $250,000. Private plans.

N. J., Long Branch — CONVENTION HALL—City Comrs., City Hall, 344 Bway., plans by Seymour & Baumn, 191 Bway., and L. Cubberly, 210 Bway., associated archts., 2 story, basement, brick, steel convention hall, casino and bathing pavilion, Laird St. and Madison Ave. $700,000. Noted Nov. 1.

N. J., Newark—APARTMENT—Eldora Apartment, Inc., c/o M. O. Klemmt, archt., 43 Hill St., 5 story, basement, 55 x 100 ft., brick, steel, plain found., 62-4 Mt. Pleasant Ave. $150,000.

N. J., Newark—APARTMENT—I. Katzman, 333 Lyons Ave., sketches by J. Centanni, 142 Market St., 3 story, basement, 70 x 100 ft., brick, steel, plain found., Sibley St. and Lyons Ave. $150,000.

N. J., Newark—APARTMENT—A. Weinberg, 20 Sharon Ave., Irvington, plans by E. Hauser, 11 Clinton St., 4 story, basement, brick, steel, plain found., 142 West Kinney St. $150,000. Noted Nov. 22.

N. J., Newark — HOSPITAL — Newark Memorial Hospital, W. F. Hoffmann, treas., 340 Bank St., sketches by Guilbert & Betelle, 20 Branford Pl., 10 story, basement, brick, steel, plain found., Newton St. $1,250,000.

N. J., Newark—STORAGE and LOADING SHED—Hoffman Beverage Co., 406 Grove St., Jersey City, sketches by E. C. Epple, 44 Commerce St., 6 story, basement, 125 x 200 ft., brick, steel, plain found., 9-13 21st St. $300,000.

N. J., North Arlington (mail Arlington) —APARTMENT—Jersey Capitol, Inc., c/o P. Singer, archt., 60 Park Pl., Newark, 3 story, basement, brick, steel, plain found., Belleville Turnpike and Prospect St. $150,000. P. Singer, 60 Park Pl., Newark, archt. Noted Nov. 22.

N. J., North Arlington (mail Arlington) —APARTMENT—J. Leff, 9 Potter Pl., Newark, plans by J. Centanni, 142 Market St., Newark, 3 story, basement, brick, steel, plain found., Prospect Ave. and Bond Pl. $150,000.

N. J., Paramus (mail Ridgewood) — HOSPITAL — Bd. Freeholders Bergen Co., Court House, Hackensack, hospital, childrens pavilion, employees building, garage. $500,000. Engineer and architect not selected.

N. J., Paterson—APARTMENT—E. H. Ellis, 444 Ellison St., 5 story, basement, brick, steel, plain found., 227 East 30th St. $160,000. Private plans.

N. J., Red Bank—AUTO SHOW ROOM—W. A. Rullman, 58 West Front St., 3 story, basement, brick, steel, plain found., Monmouth St. and Maple Ave. $150,000. Engineer and architect not selected.

N. J., Teaneck (br. Hackensack) — APARTMENT — Acme Eng. Corp., c/o C. I. Goldberg, archt., 437 Bway., Bayonne, 4 story, basement, brick, steel, plain found., Linden Ave. and Short St. $150,000. Noted Nov. 22.

N. J., Union City—BANK and OFFICE—North Hudson Natl. Bank, c/o F. Hensel, 254 Summit Ave., Union City, and W. Neuman, 40 Journal Sq., Jersey City, asso. archts., revised plans 2 story, basement, 50 x 100 ft., brick, steel, plain found., 15th St. and Summit Ave. $175,000. Former bids rejected. Noted Nov. 8.

N. J., West New York — APARTMENT and STORE — M. Goldberg, 128 Parkview Ave., 5 story, basement, 75 x 100 ft., brick, steel, plain found., 456 Park Ave. $150,000. Noted Oct. 18.

Pa., Erie—STORE—Erie Dry Goods Co., soon lets contract 6 story, basement, 100 x 250 ft., rein.-con., brick department store. $750,000. Shutts & Morrison, Marine Bank Bldg., archts.

Pa., Jenkintown — THEATRE, BANK, STORE — E. T. Quinn plans by Thalheimer & Waltz, 10 South 18th St., Phila., brick, steel, plain found., York Rd. and Hillside Ave.

Pa., Phila. — WAREHOUSE — L. B. Rothschild, archt., 215 South Broad St., soon lets contract 2 story, basement, 95 x 520 ft., rein.-con., brick, plain found., 6th and Glenwood Sts., for J. C. Kahn, 17th and Chestnut Sts. Stern & Co., 112 Market St., lessee. Noted July 26.

Pa., Pittsburgh — APARTMENT—Webster Hall Corp. of America, Webster Hall, Mich., plans by C. N. Agree, 1140 Book Tower, Detroit, Mich., 8 story, basement, 75 x 165 ft., rein.-con., brick, steel, plain found., Gitrige St. $300,000.

Pa., Polk — HOSPITAL — Polk State Training School for Feeble Minded, c/o H. M. Watkins, plans by L. Stevens, Century Bldg., Pittsburgh, 2 story, basement, brick, steel addition. $200,000.

Va., Petersburg — THEATRE — C. A. Somma, 528 North 2nd St., and W. J. Coulter, 2820 West Grace St., Richmond, theatre, Franklin and Adams St. $300,000. Engineer and architect not selected.

Fla., Bartow — COURT HOUSE — Polk Co. Bd. Pub. Impvts., A. B. Connor, supt., plans by E. R. James, 590 Floral Ave., 2 story, 180 x 200 ft., brick court house. $150,000. W. F. Cornell, Lakeland, engr.

La., Shreveport—STORE—Booth Furniture Co., 610 Texas St., plans by Jones, Roessle, Olschner & Weiner, Ardis Bldg., 4 or 5 story, brick, rein.-con., Texas St. $400,000.

O., Cleveland — ADMINISTRATION — City, W. R. Hopkins, city mgr., plans by H. Kregelius, City Hall, 1 and 2 story, brick, steel, incl. radio control room, weather bureau, offices, concrete grandstand, concrete roads, sewers and drain lines, at Cleveland Airport. $400,000.

O., Cleveland — APARTMENT — H. Abrams, 14150 Superior Rd., plans by M. Weis, 1836 Euclid Ave., 4 story, basement, brick, 1867 East 93rd St. $250,000.

Ind., Evansville—OFFICE—Indiana Bell Telephone Co., 256 North Meridian St., Indianapolis, sketches by Vonnegut-Bohn-Mueller, 610 Indiana Trust Co., Indianapolis, 4 story, basement, 88 x 148 ft., brick, steel, 5th and Vine Sts. $250,000.

Mich., Alma—MASONIC HOME—Grand Lodge F. and A. M., F. Homer, grand

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Buildings—Commercial (Continued)

master, Newton, 173 State Ave., Pontiac, 3 story, rein.-con., brick, steel, stone, plain found. $500,000. Engineer and architect not selected.

Mich., Detroit—HOSPITAL—University of Detroit, J. P. McNichols, pres., Livernois and Six Mile Rd., 3 story, basement, rein.-con., brick, steel, plain found., Dexter Ave. $300,000. Engineer and architect not selected.

Mich., Detroit — LODGE TEMPLE — Detroit Lodge 34, Elks, Lafayette and Cass Aves., brick, concrete, stone, steel, plain found., Jefferson Ave. To exceed $500,000. Engineer and architect not selected.

Mich., Jackson—THEATRE and OFFICE—W. S. Butterfield, 505 Insurance Exchange Bldg., Chicago, Ill., plans by J. Eberson, 212 Superior St., Chicago, Ill., 2 story, basement, 145 x 170 ft., rein.-con., brick, steel, stone, plain found., Michigan Ave. $500,000.

Ill., Chicago—GROCERY WAREHOUSE—A. S. Alschuler, archt., 28 East Jackson Blvd., soon takes bids superstructure 6 story, basement, 100 x 125 ft., rein.-con., Illinois and Orleans Sts., for John Sexton Co., 352 West Illinois St. Noted Sept. 13.

Minn., Minneapolis — FRATERNAL, AUDITORIUM and HOTEL—Minneapolis Columbus Assn., E. J. Loring, chn. building com., 428 South 8th St., plans by Bertrand & Chamberlin, 616 Northwestern Bank Bldg., 10 story, basement, 100 x 155 ft., rein.-con., brick, steel, stone, 5th Ave. S. and 8th St. $750,000.

Kan., Hutchinson—HOTEL—E. Colson, 17 East 17th St., plans by Mann & Co., 722 Rorabaugh Wiley Bldg., 6 story, basement, 49 x 118 ft. hotel. $250,000.

Kan., Norton—COURT HOUSE—Norton Co. soon takes bids 4 story, basement, 80 x 100 ft., rein.-con., brick, Bedford stone. $200,000. Cuthbert & Suehrk, 735 Kansas Ave., Topeka, archts. Noted Nov. 1.

Kan., Topeka — APARTMENT — C. L. Smalley, 1303 Pembroke Lane, apartment, 10th and Topeka Sts. $500,000. Engineer and architect not selected.

Kan., Wichita—OFFICE—Medical Arts Building Co., c/o J. H. Engstrom, pres., 117 North Handley St., sketches by A. Boyer, Arcade Bldg., St. Louis, Mo., 16 story, basement, 77 x 90 ft., rein.-con., brick, stone, steel, Douglas and Webb Aves. $500,000.

Neb., Omaha—APARTMENT HOTEL—Metcalf Co., 203 South 19th St., bids in spring 10 story roof garden, 56th and Military Sts. $400,000. Private plans.

S. D., Yankton—HOTEL—A. Beck, 401 Keeline Bldg., Omaha, Neb., plans by H. Lawrie, 618 Paxton Bldg., and W. E. Stockham, 423 Sunderland Blk., both Omaha, Neb., 134-room hotel. To exceed $150,000.

Mo., Chillicothe—HOSPITAL—Livingston Co. defeated $200,000, hospital. Noted Aug. 30.

Mo., St. Joseph—APARTMENT HOTEL—Syndciate forming, c/o Kirkpatrick Bldg., sketches by W. Boschen, Tootle Lacy Bank Bldg., 9 story, basement, rein.-con., brick, stone, 12th and Francis Sts. $500,000.

Mo., St. Joseph — HOTEL — Edmond Realty Corp., c/o J. Goldman & Associates, Amer. Natl. Bank Bldg., sketches by W. Boschen, Tootle Lacey Bldg., 14 story, basement, 120 x 130 ft., rein.-con., brick, stone, terra cotta hotel. $800,000.

Mo., St. Louis—HOSPITAL—City, c/o Bd. P. Serv., bids early in 1929, 6 story, basement, rein.-con., brick, stone hospital for negroes, Park and St. Ange Sts. $1,200,000. L. R. Bowen & H. Updike, engrs., L. R. Bowen & A. Osoburg, archts., 301 City Hall.

Mo., St. Louis—OFFICE—J. M. Robertson, Boatmens Bank Bldg., plans by Eames & Young, Arcade Bldg., 40 story, basement, 114 x 125 ft., rein.-con., brick, steel, stone, terra cotta, 4th and Olive Sts. $3,500,000.

Mo., St. Louis — STORE, OFFICE and APARTMENT—S. Hamburg & Associates, Arcade Bldg., soon take bids 4 story, basement, 100 x 148 ft., rein.-con., brick, terra cotta, Delmar Blvd. and DeBaliviere Ave. $300,000. Bowling & Shank, 1198 Arcade Bldg., archts. Noted Aug. 9.

Okla., Oklahoma City—OFFICE—W. T. Hales, 1st Natl. Bank Bldg., sketches 12 story, basement, 50 x 140 ft., rein.-con., brick addition, Main St. $150,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—Grain Exchange Building Co., Grain Exch. Bldg., plans by Hawk & Parr, Cotton Exch. Bldg., 4 story, 100 x 140 ft., brick top addition, Grand Ave. $150,000.

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Okla., Tulsa—EXCHANGE and OFFICE—Southwestern Bell Telephone Co., 14th and Pine Sts., St. Louis, Mo., plans by I. R. Timlin, 1916 Southwestern Bell Bldg., 4 story, 75 x 140 ft., rein.-con., brick top addition.

Colorado, Kansas and Nebraska—WAREHOUSES—J. Frost, Inc., c/o P. A. Cessna, pres., 305 West 2nd St., Pueblo, Colo., 20 brick, steel, concrete warehouses for handling coal, grain and feed. Engineer and architect not selected.

Colo., Ouray — SANITARIUM — C. W. Kent, 2301 North Adams St., Peoria, Ill., purchased site and present buildings of Cogar Sanitarium, and plans expending $175,000 during 1929, new buildings. Engineer and architect not selected.

Calif., Long Beach — AUDITORIUM — City plans by J. H. MacDowell, 51 East 42nd St., New York, and W. H. Austin, resident archt., Pacific Southwest Bank Bldg., Long Beach, Class "A" municipal auditorium, incl. assembly hall, 5,500 seating capacity, theatre 2,500 seating capacity, and basement for industrial exhibits. $1,000,000. Noted Oct. 25.

Calif., Los Angeles — APARTMENT — Owner, c/o A. W. Larsen & H. H. Clayton, 3839 Wilshire Blvd., sketches 8 story, 60 x 130 ft., tile, timber, rein.-con., Kenmore Ave. between 6th St. and Wilshire Blvd. $325,000.

Calif., San Francisco—APARTMENTS—See "Contracts Awarded."

Calif., San Francisco — HOTEL — See "Contracts Awarded."

Calif., San Francisco—OPERA HOUSE—City and San Francisco Co., San Francisco War Memorial Committee, 140 Montgomery St., soon takes bids Class "A" 4,000 seating capacity, 500 standing room opera house Van Ness Ave. $1,500,000. Noted July 5.

Que., Quebec City — WAREHOUSE — Canada Cement Co. Ltd., Phillips Sq., Montreal, concrete warehouse, St. Andrew St. $1,000,000.

Ont. Kingston—HOSPITAL—Governors of Hotel Dieu Hospital, new wing, concrete, brick, steel, Brock St. $150,000.

B. C., Vancouver—OFFICE and STORE—G. A. Stimson & Co. Ltd. plans by McCarter & Nairne, Northwest Bldg., 10 story, 2 basement, 100 x 187 ft., Burrard and Hastings Sts. $350,000.

Alta., Edmonton — STORE — T. Eaton Ltd., 2050 Bleury St., Montreal, Que., one unit $250,000. Total $1,500,000.

Bids Asked

Me., Portland—HOSPITAL—Maine General Hospital taking bids 3 story, basement, irregular sized, brick addition, plain found. $200,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, Mass., archts. Noted Oct. 4.

Me., Portland—STORE and OFFICE—C. M. Winston & Bros., archts., 22 Columbus Circle, New York, taking bids separate contracts store and office building, 551 Congress St., for Lerner Stores Corp., 354 4th Ave., New York. Noted Nov. 8.

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Cambridge (br. Boston)—WAREHOUSE — Beacon Warehousing Trust, A. Geiger, 79 Milk St., Boston, taking bids 3 story, 110 x 150 ft., brick, plain found., Commercial St. $150,000. W. Dykeman, 10 Devonshire St., Boston, archt. Noted Nov. 8.

Mass., Gardner—MERCANTILE—Gardner Realty Co., B. L. Cohen, Parker St., taking bids 2 and 3 story, basement, irregular sized, brick, stone, plain found., 31-39 Parker St. $150,000. Haynes & Mason, 280 Main St., Fitchburg, archts.

Mass., Mattapan (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Roxbury (sta. Boston)—APARTMENT—See "Contracts Awarded."

Conn., Hartford — THEATRE, STORE and OFFICE — Community Theatre Corp., J. Glassman, 170 Adams St., taking bids 3 story, basement, 125 x 140 ft., brick, steel, plain found., Albany Ave. $200,000. G. H. Matthews, 48 Campfield St., archt. Noted Sept. 20.

Conn., Waterbury—BUSINESS—Dec. 7, by Russell Estate, c/o J. Russell, 77 Bank St., 4 story (ultimately 9 story), 55 x 80 ft., brick, steel, limestone, plain found., Bank St. $155,000. F. A. Webster, 51 West Main St., archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—BANK—Dec. 10, by Halsey, McCormick & Helmer, archts., 285 5th Ave., New York, 2 story, brick, steel, 86th St. and 10th Ave., for Dime Savings Bank of Brooklyn, 9 DeKalb Ave. $300,000. Noted Mar. 8.

N. Y., Brooklyn—STORE and APARTMENT—See "Contracts Awarded."

N. Y., Hollis (br. Jamaica)—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—Y. M. C. A., 420 Lexington Ave., bids about Dec. 15, 14 story, 125 x 260 ft., brick, steel, 11 West 63rd St. $1,500,000. D. J. Baum, Spuyten Duyvil Parkway and Waldo Ave., archt. Noted Oct. 25.

N. Y., Rochester—APARTMENT—B. D. Josephs, archt., 620 East Main St. taking bids on separate contracts 4 story, basement, 45 x 140 ft., brick, steel, plain found., South Goodman St., for T. H. Eddy, 168 Seneca Parkway. $175,000.

N. J., Atlantic City—APARTMENT—J. Decker, archt., 14 Northfield Ave., West Orange, taking bids general contract 19 story, basement, 58 x 114 ft., brick, steel, plain found., Atlantic Ave. and Chelsea St., for E. Sleade, c/o architect. $300,000.

N. J., Belleville (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Belleville (br. Newark)—HOSPITAL—Bd. Freeholders Essex Co., Hall of Records, Market St. and Springfield Ave., Newark, bids about Jan. 15 on revised plans 8 story, basement, rein.-con., brick, steel hospital, plain found., 5 story, basement, nurses home and 2 story service building, County Isolation Grounds. $1,000,000. Sutton, Sutton & Calkins, 402 Broad St., Newark, archts. Runyon & Carey, 31 Fulton St., Newark, consult. engrs. Noted Nov. 8.

N. J., Elizabeth — WAREHOUSE and STORAGE—G. F. Bial, archt., 145 Summit Ave., Union City, bids about Jan. 15, general contract 5 story, basement, 240 x 260 ft., rein.-con., brick, plain found., 651-71 South Front St., for Bayway Terminal Co., South Front St. Est. $200,000. Noted Oct. 18.

N. J., Highland Park (br. New Brunswick) — APARTMENT — M. Spitzer, 284 George St., New Brunswick, taking bids 3 story, basement, brick, plain found. $150,000. H. G. Bach, 63 Schureman St., New Brunswick, archt.

N. J., Highland Park (br. New Brunswick) — APARTMENT — See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Morristown — HOTEL — Locan Realty Co. taking bids general contract 5 story, basement, brick, steel, plain found. $150,000. W. E. Lehman, 972 Broad St., Newark, archt.

N. J., Newark — GARAGE — See "Contracts Awarded."

N. J., Newark — STORAGE and LOADING SHED—E. C. Epple, archt., 44 Commerce St., Newark, taking bids 6 story, basement, 125 x 200 ft., brick, steel, rein.-con., plain found., 9-13 21st St., for Hoffman Beverage Co., 406 Grove St. Est. $300,000.

N. J., North Arlington (mail Arlington)—APARTMENT—See "Contracts Awarded."

N. J., Orange—BANK and STORE—E. H. Fougner, archt., 197 Market St., Newark, bids about Dec. 15, 1 story, basement, 65 x 120 ft., brick, steel, plain found., Centre St. and Central Ave., for Orange Natl. Bank, 282 Main St. $150,000. Noted Nov. 8.

N. J., Paterson — APARTMENT — See "Contracts Awarded."

N. J., Paterson — F. W. Wentworth, archt., 140 Market St., bids about Jan. 15, general contract 3 story, basement, 115 x 140 ft., rein.-con., brick, steel, plain found., Ward and Prince Sts., for Y. M. C. A., R. Y. Walsh, genl. secy., 141 Ellison St. Est. $750,000. Noted Nov. 29.

Pa., Phila.—APARTMENT—R. G. Pratt, archt., 1420 Walnut St., taking sub-bids 3 story, basement, 110 x 149 ft., brick, steel, plain found., Front and Lemon Sts. $300,000.

Fla., Stuart—COURT HOUSE and JAIL—Dec. 10 (extended date), by W. B. Tilton, chn. Bd. Comrs. Martin Co., 3 story, 62 x 100 ft., rein.-con. $150,000. Noted Nov. 22.

O., Gallipolis—COTTAGE—Dec. 22, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 2 story, basement, 75 x 104 ft., brick, concrete, Institution for Epileptics. $150,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt.

Buildings—Commercial (Continued)

O., Toledo — STORE — Dec. 11, by H. Holmes, archt., c/o S. S. Kresge Co., Kresge Bldg., Detroit, Mich., general contract 3 story, basement, 60 x 115 ft., rein.-con., brick, steel, plain found. $150,000.

Ind., Indianapolis—OFFICE—University Park Co. taking bids, rein.-con. Architects and Engineers Building, 11 story, basement, 50 x 195 ft., Pennsylvania and Vermont Sts. $200,000. Rubush & Hunter, 430 Amer. Cent. Life Bldg., archts.

Minn., Aitkin—COURT HOUSE—Dec. 19, by Aitkin Co., H. C. Beecher, aud., 3 story, basement, rein.-con., brick, Bedford stone court house. $150,000. Toltz, King & Day, Builders Exch., St. Paul, archts. Noted Nov. 8.

Minn., Minneapolis—ADMINISTRATION—Dec. 20, by Lakewood Cemetery Assn., A. C. Nuessle, secy., 3600 Hennepin Ave., 1 story, basement, 68 x 135 ft., rein.-con., brick, cut stone, Lakewood Cemetery, 3600 Hennepin Ave. $150,000. E. Kennedy, 517 Essex Bldg., archt.

Mo., Kansas City—HOSPITAL—Jackson Co. (Independence) bids about Dec. 20, 4 story, basement, rein.-con., stone. $500,000. F. C. Gunn, 1608 Continental Bldg., archt.

Tex., Georgetown—HOTEL—See "Contracts Awarded."

Calif., Los Angeles—OFFICE and SHOW ROOM—Kittinger Co., 1893 Elmwood Dr., Buffalo, N. Y., taking bids 2 story, 87 x 232 ft., steel, brick, rein.-con., Goodrich Blvd. and Union Pacific Ave. $150,000. Private plans. Noted Aug. 2.

D. C., Wash.—HOTEL and CLUB—Cafritz Constr. Co., 1016 14th St. N.W., taking bids sub-contracts hotel and club, 14th and K Sts., N.W. H. H. Warwick, 1116 Vermont Ave. N.W., archt. Noted Sept. 27.

Bids Received

N. Y., Albany—STATE OFFICE—A. E. Smith, governor and chn. State Building & Sites Comn., Capitol, Albany, completing State Office Building, from Seglin-Harrison Constr. Co., Walbridge Bldg., Buffalo, Proposal 1 $1,083,276, Proposal 2 $1,079,246; constructing vaults, from Diebold Safe & Lock Co., 372 Bway., New York, $125,484; heating, from Power Efficiency Corp., 137 Arthur St., Buffalo, $254,268; plumbing from T. O'Brien, 6311 5th Ave., Brooklyn, Proposal 1 $207,988, Proposal 2, $171,830; electrical work, from Walter H. Taverner Corp., 175 5th Ave., New York, Proposal 1 $318,000, Proposel 2 $320,000, Proposal 3 $308,000; 21 high speed elevators, from General Electric Co., River Rd., Schenectady, Proposal 1 $504,117, Proposal 2 $506,117, and from Otis Elevator Co., 11th Ave. and 26th St., New York, Proposal 3 $548,000, Proposal 4 $556,000. Noted Nov. 15 under "Unclassified."

N. Y., Willard — HOSPITAL — Commissioner Dpt. Mental Hygiene, Capitol, Albany, Nov. 27, general contract psycopathic reception building, Willard State Hospital, from Havens Constr. Co., Olean, $349,900; heating and sanitary work, from J. J. Bresnahan, Inc., 41 Pearl St., Buffalo, $33,732 and $39,744 respectively. Noted Nov. 15. Elecrical work, from F. Handlin, 1621 Bellevue Ave., Syracuse, $12,900.

Conn., New Haven—ARMORY—L. L. Field, 129 Church St., 3 story, 200 x 250 ft., brick, steel, concrete, Beaver Hill, from Chas. Smith & Sons, 254 Main St., Derby, for State, New Haven Armory Comn. $550,000. Noted Oct. 25.

Mass., Westfield—HIGH SCHOOL—City, High School Building Com., 3 story, 175 x 214 ft., brick, steel, stone, Chauncy Allen Park, from M. J. Walsh & Sons, 1412 Dwight St., Holyoke, $385,800. Noted July 26.

N. J., Pennington—HIGH SCHOOL—Bd. Educ., Hopewell Twp., general contract 2 story, basement, 92 x 187 ft., rein.-con., brick, plain found., from D. Tietz & Sons, 414 Market St., Trenton, $104,468.

N. Y., Potsdam—SCHOOL—Lansing & Green, archts., 601 North Trust Bldg., Watertown, general contract 2 story, basement, 70 x 267 ft., rein.-con., brick, LeRoy St., from Burns Bros. & Haley, Inc., Bank Bldg., Watertown, $197,860 plus $15,895; heating and ventilating, also plumbing, from Ryan Plumbing & Heating Co., 160 Court St., Watertown, $25,900 and $8,300 respectively. Noted Oct. 11.

N. J., Secaucus (Ind. br. West New York) — SCHOOL — Bd. Educ., School 1, Nov. 23, 2 story, basement, brick, steel, plain found., Paterson Lane and County Ave., from Censullo Burke Constr. Co., 613 15th St., Union City, $155,000. Noted Nov. 22.

Mich., Ypsilanti — LIBRARY — Michigan State Normal, C. Foster, chn. State Office Bldg., Lansing, Nov. 2, 2 story, basement, 83 x 140 ft., rein.-con., brick, plain found., College Grounds, from Standard Constr. Co., Jackson, $169,500. Noted Oct. 25.

Contracts Awarded

N. H., Jackson—HOTEL—A. P. Gale, Eagle Mt. House, altering and constructing 6 story, basement, brick, timber addition to Eagle Mountain House, plain found. $150,000 or more. Owner builds. Private plans. A. H. Dow, 192 Boylston St., Boston, Mass., consult. archt.

Mass., Boston — HOTEL — Hotel Lenox, L. C. Prior, mgr., Exeter St., altering 4 story, basement, brick, stone, plain found., Boylston and Exeter Sts., to G. Gonia Co., 2 Creek Sq. Est. $150,000 or more.

Mass., Boston—OFFICE—F. J. Dillon, c/o E. T. P. Graham, 165 Newbury St., archt., 4 story, basement, brick, plain found., Union Park and Tremont Sts., to A. Piotti Co., 708 Dudley St., Dorchester. Est. $150,000.

Mass., Boston — OFFICE — United Shoe Mchy. Co., 205 Lincoln St. S. W. Winslow, Jr., chn. Building Comn., general contract 24 story, basement, 200 x 220 ft., brick, steel, limestone, granite, plain found., to George A. Fuller Co., 11 Beacon St. Est. exceeds $150,000. Noted Nov. 1.

Mass., Brighton (sta. Boston)—APARTMENT—Colonial Realty Trust, 1800 Commonwealth Ave., Boston, 3 units, 3 story, basement, irregular sized, brick, stone, plain found., Colborne Rd., separate contracts. $300,000. S. E. Moffle, 51 Cornhill, Boston, archt.

Mass., Brookline (br. Boston)—APARTMENT—J. Silverstein, 31 Wolcott St., Dorchester, 3 story, basement, irregular sized, brick, stone, structural steel, plain found., Lanack Rd. corner Englewood Ave., separate contracts. $150,000. S. E. Moffle, 51 Cornhill, Boston, archt.

Mass., Cambridge (br. Boston) — CHURCH — Calvary Baptist Church, P. Giacobbe, pastor, 3 Woodbine St., 1 story, basement, brick, stone, plain found., Berkshire St., to A. Livingstone & Co., 29 Newbury St., Boston. Est. $150,000.

Mass., Gloucester — BANK — Gloucester Co-Operative Bank, M. Foley, pres., 1 story, basement, brick, steel, plain found., Middle St., to R. E. Runnels Constr. Co., Lowell, and 260 Tremont St., Boston. Est. $150,000.

Mass., Mattapan (sta. Boston)—APARTMENT—M. M. Ginsberg, 55 Liberty Ave., Somerville, 3 story, basement, irregular sized, brick, stone, plain found., Capen and River Sts., separate contracts. $150,000. B. E. Porter, 73 Tremont St., Boston, archt.

Mass., Palmer — HOSPITAL — Commonwealth of Massachusetts, Dpt. Mental Diseases, State House, Boston, 2 story, basement, 45 x 275 ft. childrens building, brick, steel, plain found. at Monson State Hospital, to J. G. Roy & Son Co., 21 Silver St., Springfield. Est. $150,000. Noted Nov. 8.

Mass., Roxbury (sta. Boston)—APARTMENTS—Davidson & Zeiman, 19 Gaston St., 4 units, each 3 story, basement, brick, stone, plain founds., Brookledge and Seaver Sts. Separate contracts. $300,000. Silverman & Brown, 51 Cornhill, Boston, archt.

Conn., Hartford — WAREHOUSE — S. Shulansky, 101 Windsor Ave., 4 story, 85 x 150 ft., brick, rein.-con., to C. Seigel, 304 Edgewood St. Est. $150,000. Noted Nov. 8.

Conn., New Haven—HOSPITAL—New Haven Hospital, G. F. Goodspeed, brick, steel, stone, ward building (1 of group of hospital units), to Hegeman-Harris Constr. Co., 360 Madison Ave., New York. Est. $500,000. Noted Oct. 11.

N. Y., Brooklyn—APARTMENT—B. J. Aaron Co., Inc., 26 Court St.:, 6 story, 87 x 100 ft., brick, concrete, Caton Ave., separate contracts. $170,000. Cohn Bros., 361 Stone Ave., archt. Noted Nov. 15.

N. Y., Brooklyn — APARTMENT — Corporation, c/o J. Arluck, 224 East 55th St., 6 story, 86 x 100 ft., brick, timber, to Kosk Building Corp., 224 East 55th St. Est. $180,000. Noted Nov. 15.

N. Y., Brooklyn — APARTMENT — Corporation, c/o H. Heringham, 26 Court St., 6 story, 100 x 136 ft., brick, timber, to Nostrand Building Corp., c/o H. Heringham, 26 Court St. Est. $150,000. Noted Nov. 15.

N. Y., Brooklyn — APARTMENT — Corporation, c/o S. Kaplin, 912 1st Court, 4 story, 89 x 120 ft., brick, timber, Humbert St. and Ocean View Ave., separate contracts. $200,000. Seelig & Finkelstein, 66 Court St., archts. Noted Nov. 15.

N. Y., Brooklyn — APARTMENT — Corporation, c/o Leibovitz, 50 Court St., brick, timber, to Breakwater Building Corp., 50 Court St. Est. $300,000. Noted Nov. 15.

N. Y., Brooklyn — APARTMENT — S. Scheinblum, 5309 17th Ave., apartment, separate contracts. $170,000. S. Gardstein, 44 Court St., archt. Noted Nov. 15.

N. Y., Brooklyn — APARTMENT — Veterans Security Corp., N. Klieman, pres., 816 Avenue T, brick, timber, separate contracts. $190,000. Seelig & Finkelstein, 66 Court St., archt. Noted Oct. 15.

N. Y., Brooklyn—STORE and APARTMENT—S. Reswick, 1130 East 24th St., 2 story, brick, separate contracts. $150,000 Cohn Bros., 361 Stone Ave., archts. Noted Nov. 15.

N. Y., Buffalo—RECEPTION—Commissioner Dpt. Mental Hygiene, Albany, general contract reception building, Buffalo, State Hospital to J. O. Cristina Constr. Co., 625 Fargo Ave., $321,632; heating to Power Efficiency Corp., 137 Arthur St., $24,447; sanitary work to J. J. Breenahan, Inc., 41 Pearl St., $39,194; Electrical work to McCarthy Bros. & Ford, 75 West Mohawk St., $11,840. Grand total, $397,113. Noted Nov. 8.

N. Y., Central Islip—HOSPITAL—Dpt. Mental Hygiene, Albany, general contract hospital, at Central Islip State Hospital to Willette Constr. Co., Inc., 114 East 32nd St., New York, $519,839; heating to T. E. O'Brien, 6311 5th Ave., Brooklyn, $27,068; sanitary work to Levine Plumbing Co., 330 West 47th St., New York, $30,349; Electrical work to W. A. Straus, Haverstraw, $12,240. Grand total, $589,496. Noted Oct. 25.

N. Y., Hollis (br. Jamaica)—APARTMENT—Hollis Brass Constr. Corp., 1866 81st St., Brooklyn, 2 story, brick, steel, 114 Dr. and 205th St., separate contracts. $150,000. I. Kallich, 26 Court St., Brooklyn, archt.

N. Y., Kings Park — EMPLOYEES HOME — Commissioner Mental Hygiene, Capitol, Albany, single employees building at Kings Park State Hospital to Rayner Bros., 20 Duryea St., Islip, $204,985; heating to T. E. O'Brien, Inc., 611 5th Ave., Brooklyn, $11,441; sanitary work to Levine Plumbing Co., 330 East 47th St., New York, $21,400; Electrical work to Fischback & Moore, Inc., 226 East 41st St., New York, $6,440. Grand total $244,266. Noted Oct. 4.

N. Y., New York—APARTMENT—B. P. Cerussi, 655 East Fordham Rd., apartment, 36 Bogardus Pl., to Cerussi Contg. Co., 655 East Fordham Rd. Est. $150,000.

N. Y., New York—APARTMENT—Lenox Hill Building Corp., F. Burrall Huffman, pres., 14 East 47th St., 13 story apartment, 4-10 East 72nd St., to G. A. Fuller Co., 949 Bway. Est. $850,000.

N. Y., Newark—DORMITORIES—Commissioner Mental Hygiene Dpt., Albany, general contract East and West Dormitories, dining room and service building at Newark State School to Felton Constr. Co., 1450 Michigan Ave., Buffalo, $710,968; heating and sanitary work to F. W. Murtagh Co., 18 Howell St., Rochester, $37,877; and $36,015. Grand total, $802,753. Noted Oct. 4.

N. J., Belleville (br. Newark)—APARTMENT—Davidson & King, 28 Malone Ave., 5 story, basement, 90 x 100 ft., brick, steel, plain found., Tappan and Floyd Aves., separate contracts. $150,000. Brach & Singer, 60 Park Pl., Newark, archts.

N. J., Highland Park (br. New Brunswick)—APARTMENT—H. Solomon, Baldwin St., New Brunswick, 3 story, basement, brick, steel, plain found., Abbott St., separate contracts. $150,000. Noted Nov. 29.

N. J., Jersey City—APARTMENT—S. and S. Building Co., C. Schultze, pres., 2 Boyd Ave., 4 story, basement, 50 x 100 ft., brick, steel, plain found., Clinton St., separate contracts. $150,000. E. M. Patterson, 76 Montgomery St., archts. Noted Nov. 29.

N. J., Jersey City—WAREHOUSE and FREIGHT TERMINAL—Delaware, Lackawanna & Western R.R. Co., 90 West St., New York, G. J. Ray, ch. engr., Hoboken, general contract 1 and 8 story, 342 x 410 ft. rein.-con., brick, plain and concrete pile founds., Grove St. and Jersey Ave., to Turner Constr. Co., 420 Lexington Ave., New York. Est. $4,500,000. Noted Oct. 25.

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Buildings—Commercial (Continued)

N. J., Lawrenceville — INFIRMARY — Lawrenceville Preparatory School, general contract 2 story, basement, brick, steel, plain found., to Matthews Constr. Co., Princeton. Est. $150,000.

N. J., Newark — GARAGE — J. Weisberger, 55 Shanley Ave., 2 story, basement, 100 x 150 ft., brick, steel, rein.-con., plain found., 233-47 Park Ave., separate contracts. $150,000. Private plans. Noted Nov. 22.

N. J., Newark—OFFICE—Prudential Insurance Co., Broad and Washington Sts., general contract 3 story, basement, brick, steel addition, 80-84 Academy St., to Robert Hourie, Jr., 763 Broad St. Est. $150,000. Noted Nov. 1.

N. J., North Arlington (mail Arlington) —APARTMENT—Jersey Capital, Inc., 60 Park Pl., Newark, 3 story, basement, 50 x 100 ft., brick, steel, plain found., Belleville Turnpike and Prospect St., separate contracts. $150,000. P. Singer, 60 Park Pl., Newark, archt.

N. J., Paterson—APARTMENTS—E. H. Ellis, 444 Ellison St., 5 story, basement, 227 East 30th St., $160,000; 5 story, basement, 675 Bway., $150,000, both brick, steel, plain found., separate contracts. Private plans. Noted Nov. 29.

N. J., Plainfield — SHOWROOM and STORES — Packard Auto Sales Co., 628 Park Ave., general contract 2 story, basement, 115 x 140 ft. rein.-con., brick, steel addition, plain found., 620-8 Park Ave., to Wigton-Abbott, 552 West 23rd St., New York. Est. $150,000.

Pa., Beaver Falls — BANK — Farmers Natl. Bank, 7th and 11th Sts., bank, to Boldt Constr. Co., 1969 East 70th St., Cleveland, O. Est. $150,000.

Va., Richmond — HOTEL — Richmond Hotels, Inc., T. Gresham, pres., 2330 Monument Ave., 15 story, fireproof hotel 5th and Franklin Sts., to Wise Granite Constr. Co., American National Bank Bldg. Est. $1,500,000. Foundation under way. Noted Mar. 8.

N. C., Charlotte—APARTMENT HOTEL and STORE—J. P. Matheson, Charlotte Ear, Eye, Nose & Throat Hospital, 8 story, brick, stone, rein.-con., steel, 6th and Tryon Sts., to J. P. Little & Son, Builders Bldg. Est. $250,000. F. L. Holmes, 513 South Tryon St., lessee.

O., Cincinnati — APARTMENT — Riverview Apartments, Inc., 900 Neave Bldg., 8 story, basement, rein.-con., brick, plain found., Hackberry St., to A. D. Gates Constr. Co., 1611 Chemical Bldg., St. Louis, Mo., $750,000.

O., Cleveland — APARTMENTS — M. Teplitz, 10003 Columbia Ave., masonry contract two 4 story, basement, brick, to M. Berkoff, 3346 Washington Blvd., Cleveland Heights. Est. $300,000. Noted Nov. 22.

O., Toledo—HOTEL—Stevens Hotel Co., c/o A. Hahn, archt., Close Realty Bldg., 12 story, basement, 60 x 120 ft., rein.-con., brick, stone, rein.-con., found., Jefferson St., to H. J. Spieker & Co., 1418 Elm St. Est. $1,000,000.

Mich., Detroit—COMMERCIAL—A. R. Cunningham, Woodward Ave., 3 story, basement, 60 x 100 ft., rein.-con., brick, steel, stone, plain found., Griswold St., to Otto Misch Co., 159 East Columbia St. Est. $200,000.

Mich., Detroit—MASONIC TEMPLE—S. E. Remey, archt., 1139 Griswold St., 2 story, basement, 100 x 102 ft., rein.-con., brick, steel, plain found., to Butts Constr. Co., Marquette Bldg., for Pillar Masonic Temple Assn., c/o E. S. Gallagher, 6500 Epworth Blvd. Est. $150,000. Noted Nov. 1.

Ill., Chicago — APARTMENT — E. F. Behrens, archt., 605 North Michigan Ave., general 6 story, 67 x 118 ft., for Washington Boulevard Corp., to Morrow & Evans, 244 West 47th St.; heating, to Advance Heating Co., 117 North Des Plaines Ave.; plumbing, to J. M. Kalish, 3751 Lawrence Ave.; ice machinery, to Peerless Ice Machy. Co., 515 West 35th St.; plastering, to Peddie Carnie Co., 329 South Wood St.; ventilating, to Gillespie-Dwyer Co., 2239 West Lake St.; electrical, to Meade Electric Co., 3352 Franklin Blvd.; iron work, to Wetzel Iron Wks., 3345 West Grand St. Est. $300,000. Noted Sept. 20.

Ill., Chicago — APARTMENT — M. L. Komar, archt., 7 South Dearborn St., masonry contract 5 story, basement, 46 x 189 ft., 6811 Paxton Ave., for Shandeling & Cole, 5 South Wabash Ave., to H. C. Jensen, 6101 Forest Glen Ave.; carpentry, to Gustafson, 1630 East 70th St.; heating, to M. J. Plonsker Co., 608 West Randolph St.; plumbing, to M. B. Mitchell & Son. Est. $340,000.

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Ill., Chicago—APARTMENT—Leichenko & Esser, archts., 38 South Dearborn St., general contract 21 story, basement, 76 x 125 ft., to C. B. Johnson & Son, 306 South Wabash Ave., for Sixteen-Hundred-Forty East Fifty-Sixth Street Building Corp., c/o architects. Est. $1,500,000. Noted Nov. 29.

Ill., Chicago — CLUB, STORE and OFFICE — K. M. Vitzhum & Co., archts., 307 North Michigan Ave., general contract 35 story, basement, 80 x 150 ft., rei.-con., brick, steel, terra cotta, caisson found., Wells St. and Wacker Dr., to McLenna Constr. Co., 307 North Michigan Ave., for La Salle Club, 30 North La Salle St. Est. $3,000,000. Noted May 5, 1927.

Ill., Oak Park—OFFICE and STORE—H. Forsythe, 140 South Dearborn St., Chicago, general contract 4 story, basement, 80 x 120 ft., to Dahl-Stedman Co., 11 South La Salle St., Chicago. Est. $300,000. Noted Oct. 18.

Wis., La Crosse—STORE—F. Hoeschler, 502 Main St., general contract 3 story, 60 x 125 ft. store, to Theo. Molzahn & Sons; heating and plumbing, to P. J. Overson; electrical work, to J. F. Popenfuss, all in La Crosse. Sears Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Wis., La Crosse—STORE—F. Hoeschler, 502 Main St., general contract 3 story, 70 x 140 ft., brick, steel, cut stone, to T. Molzohn & Son; heating and plumbing, to Marquardt-Mawning Co.; electrical work, to Brocken, Inc., cut stone, to J. Dogendesh; structural steel, glass, to J. Leifelder & Son, Inc.; refrigeration, sheet metal, to J. Ledegar; mill work, to Segelke & Kohnhaus Mfg. Co., all foregoing in La Crosse; reinforcing steel, to Crown Iron Wks. Co., 1229 Tyler St., Minneapolis, Minn. Montgomery Ward & Co., Chicago Ave. and Larr St., Chicago, Ill., lessee.

Wis., Milwaukee—APARTMENT—E. P. Helfaer, 377 Prospect Ave., concrete contract for 8 story, 92 x 94 ft., rein.-con., brick, plain found., Prospect Ave., to P. Riesens & Sons, 1018 Humboldt Ave.; reinforcing to Truscon Steel Co., 230 Wisconsin Ave. Noted Sept. 6.

Kan., St. John — COURT HOUSE — Stafford Co. general contract 4 story, basement, 48 x 54 x 61 x 78 ft., rein.-con., brick, stone, terra cotta, to Spencer Constr. Co., Spencer, $132,825. Noted Oct. 28.

Kan., Wichita—OFFICE—Central Building Co., R. Clapp, secy., general contract 6 story (ultimately 10 story), basement, 120 x 125 ft., rein.-con., brick, terra cotta, Main and Douglas Sts., to G. H. Siedhoff Constr. Co., Broadview Hotel. Est. $500,000.

Mo., Carthage — HOSPITAL — McKune-Brooks Memorial Hospital Assn., c/o S. McReynolds, pres., general contract 3 story, basement, 45 x 150 ft., rein.-con., brick, stone, to Busboom Bros., Carthage. $78,000. Noted Nov. 8. Plumbing, to Stanton Plumbing Co., Carthage, $9,700; heating, to Knudsen Plumbing Co., Carthage, $10,246.

Mo., St. Louis — EXHIBITION HALL — Forest Park Highlands Exhibition & Amusement Co., c/o B. G. Brinkman, pres., 5600 Oakland Ave., general contract two 288 x 300 ft. exhibition halls, 276 x 476 ft. main building, rein.-con., brick, steel, to Boaz-Kiel Constr. Co., 409 North 7th St. Est. $1,500,000. Noted Aug. 9.

Tex., Georgetown—HOTEL—T. E. Smith, Temple, general contract 7 story, part basement, 60 x 114 ft., brick, stone, rein.-con., plain found., to Davis Bros., Georgetown, $150,000 cost plus percentage basis. Bids about Dec. 1 sub and mechanical bids. Noted Nov. 22.

Tex., Sherman — HOME — J. Tulloch, archt., Sherman, 2 story, basement administration building (1st unit of home), to Cowan Bros., Shawnee, Okla., for Supreme Forest Woodman Circle, M. E. La Rocca, natl. pres., Omaha, Neb., $150,000. Total est. $500,000. Noted Nov. 15. Plumbing, to J. C. Korioth, Sherman; wiring to Koeppen & Baldwin, Denison.

Ore., Portland — APARTMENT — R. C. Finch, 738 East 72nd St., 9 story, basement, 65 x 100 ft., fireproof, East 21st St. and Sandy Blvd., to E. L. Constr. Co., Portland, $250,000.

Calif., Livermore — OFFICE, WAREHOUSE, etc. — Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco, 1 story, basement, tile, rein.-con., 2nd St. and South Livermore Ave., to W. G. Thornally, 354 Hobart St., Oakland, $165,000.

Calif., Los Angeles — APARTMENT — Evans-Zukin Constr. Co., 181 North La Brea Ave., 4 story, basement, brick, concrete, Sycamore Ave. $150,000. Owner builds. R. Nicolais, 686½ South Vermont Ave., archt.

Calif., Los Angeles — MAUSOLEUM — Roman Catholic Bishop of Los Angeles and San Diego, (1st unit) stone, marble, rein.-con., mausoleum at Calvary Cemetery, 4305 Whittier Blvd., to B. D. Kronnick Co., 3623 Avalon Blvd., $300,000. Total cost $1,000,000.

Calif., Los Angeles—OFFICE and GARAGE — Auburn Automobile Corp., E. L. Cord, pres., 5618 Sunset Blvd., 12 story, basement, steel, rein.-con., granite, marble, Wilshire Blvd. and Mariposa Ave. to Lynch-Cannon Eng. Co., Chapman Bldg. Est. $2,000,000.

Calif., San Francisco—APARTMENTS—Cox Bros., 1950 Irving St., three 3 story, basement, stucco, Cervantes Ave. near Avila St., day labor. $50,000 each. H. C. Baumann, 251 Kearny St., archt.

Calif., San Francisco—HOTEL—Christiansen Bros., 685 20th Ave., 6 story, basement, steel, concrete, Ellis St. near Fillmore St., day labor. $165,000. Private plans.

Calif., Westwood — STUDIO — W. Fox Film Corp., 28 buildings, incl. four 165 x 212 ft. buildings, 60 x 210 ft. administration building with 75 ft. tower, to G. Miller, 101 North Pruess Rd., Beverly Hills. $10,000,000.

B. C., Essondale—HOSPITAL—Deputy Minister, Provincial Govt., Victoria, and P. Philip, engr. Dpt. P. Wks., Victoria, mental hospital, rein.-con., brick, steel, stone, incl. addition to power plant, to Pacific Engrs. Ltd., 827 Powell St., Vancouver. $1,452,996. Noted Nov. 29.

Buildings—Educational, Religious

Proposed Work

Mass., Boston—SCHOOL—City, Schoolhouse Dpt., City Hall, plans by A. J. Carpenter, 1 Moss Hill Rd., Jamaica Plain, and soon takes bids 2 story, basement, 50 x 80 ft., brick, granite, limestone addition, concrete found., Hutchins St. $150,000. Noted June 14.

Mass., New Bedford — SCHOOL — St. Theresa's Parish, J. Hamel, pastor, 2745 Acushnet Ave., 3 story, basement, brick, Acushnet Ave. $150,000-$175,000. Engineer and architect not selected.

Conn., Bridgeport — CHURCH — St. George's Parish, H. E. Kelly, pastor, 755 Clinton Ave., plans by E. B. Caldwell, 886 Main St., 40 x 125 ft., 40 ft. high, brick, stone, American Gothic design, Beechwood and Clinton Aves. $150,000.

Conn., Hartford—CHURCH and PARISH HOUSE—Broadview Community Church, S. B. Crosland, pastor, brick, stone, Roger and Oliver Sts. $150,000. Engineer and architect not selected.

N. Y., Elmira—NURSES HOME and SCHOOL—St. Joseph's Hospital, 555 East Market St., Elmira, Bishop Hickey, pres. Bd., revised sketches by Haskell & Considine, 612 Hallet Bldg., 10 story, basement nurses home and school, 555 Market St. $300,000.

N. Y., New York—COLLEGE—Columbia University, Amsterdam Ave. and 119th St., plans by McKim, Meade & White, 101 Park Ave., 10 story natural science college, brick, steel, Amsterdam Ave. and 119th St. $1,000,000.

N. J., Belleville (br. Newark) — CHURCH—Christ Episcopal Church, Main St., revised plans by W. H. Hayes, 100 East 42nd St., New York, 1 story, basement, brick, steel, plain found., Main St. $150,000. Noted Oct. 25.

N. J., Caldwell—HIGH SCHOOL—Bd. Educ., Boro Hall, sketches by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, brick, steel, rein.-con., plain found. $150,000.

N. J., Glassboro—HIGH SCHOOL—Bd. Educ. revised plans high school. $891,000. Engineer and architect not announced. Noted Apr. 14, 1927.

N. J., Jersey City—SCHOOL—Our Lady of Czvestchowa Roman Catholic Church, I. Szudrowicz, pastor, 120 Sussex St., 2 story, basement, rein.-con., brick, steel, plain found., Henderson and York Sts. $200,000

N. J., Millville—SCHOOL—Bd. Educ. sketches by A. Merchant, 52 Paterson St.,

Buildings—Educational, Religious—(Contd.)

New Brunswick, 2 story, basement, rein.-con., brick, steel, plain found. $200,000.

N. J., New Brunswick—FRATERNITY HOUSE—Beta Theta Pi Fraternity J. N. Wittpen, Jr., 33 Beaumont Pl., Newark, plans by W. J. Fitzsimmons, 626 Central Ave., East Orange, 3 story, basement, brick, steel, plain found., College Ave. $150,000. Noted Nov. 29.

N. J., River Edge—SCHOOL—Bd. Educ., Boro Hall, plans by E. Sibley, Bluff Rd., Palisade, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Woodridge (br. Rutherford) — SCHOOL—Bd. Educ., Pub. School 2, plans by J. N. Pierson & Son, 198 Jefferson St., Perth Amboy, 2 story, basement, brick, steel, plain found., Hackensack St. $150,000.

Pa., Easton—COLLEGE—Lafayette College bids in February, 3 story college. $200,000. Warren & Wetmore, 16 East 47th St., New York, archts.

Pa., State College—SCIENCE—Pennsylvania State College, c/o R. I. Webber, supt. buildings, plans by C. L. Klauder, 1429 Chestnut St., Phila., 2 story, basement, brick, steel science building. $150,000.

Pa., Swissvale—SCHOOL—School Dist. plans by R. McCartney, 600 Magee Bldg., Pittsburgh, 2 story, basement, brick, steel, Schoyer Ave. $150,000.

Pa., Sharon—HIGH SCHOOL—Bd. Educ. plans by Clipper & Clipper, McDowell Natl. Bank Bldg., Junior High School, 3 story, basement, brick, steel. $400,000.

Md., Baltimore — ADMINISTRATION — Johns Hopkins University, F. J. Goodnow, pres., sketches by John Russell Pope, 15 West 46th St., New York, administration building. $1,000,000.

Md., Baltimore—CHURCH and SUNDAY SCHOOL—Second Church of Christ Scientist, G. W. Smith, Union Trust Bldg., plans by Wyatt & Nolting, Keyser Bldg., 1 story, basement, stone, steel, Liberty Heights Ave. $175,000.

D. C., Wash.—SEMINARY—St. Joseph's Seminary plans by Maginnis & Walsh, Statler Bldg., Boston, Mass., seminary, Varnum, 13th and 14th Sts. To exceed $150,000.

Ga., Atlanta — CHURCH — Burge & Stevens, archts., 101 Marietta Bldg., soon let contract 2 story, basement, 200 x 242 ft., Peachtree St., for 1st Baptist Church, c/o B. L. Bugg, Henry Grady Bldg. $450,000.

Ky., Ludlow—SCHOOL—Bd. Educ. plans by F. J. Porter, 1714½ North High St., Columbus, O., 3 story, basement, brick, rein.-con., plain found., Main St. $168,000.

O., Canal Winchester—HIGH SCHOOL—Franklin Co. Bd. Educ., Columbus, plans by Richards, McCarthy & Bulford, 584 East Broad St., Columbus, high school. $150,000.

O., Cleveland—CHURCH—St. Benedicts Roman Catholic Church, S. Gmuch, pastor, Lamontier Ave. and East Blvd., plans by Potter Gabele Co., Prospect-Fourth Bldg., 1 story, rein.-con., brick, Lamontier Ave. and East Blvd. $150,000.

O., Cleveland—CHURCH and SCHOOL—Christ The King Roman Catholic Church, T. V. Shannon, pastor, Guarantee Title Bldg., 1 and 2 story, brick, steel, concrete, Quilliams Rd. $150,000. Engineer and architect not selected.

O., Copley—SCHOOL—Bd. Educ. bids in January, 2 story, basement, brick, steel, incl. gymnasium, auditorium. $175,000. Henry & Murphy, Security Natl. Bldg., Akron, archts.

Mich., Bloomfield Hills (Birmingham P. O.)—SCHOOL—Cranbrook School for Boys, Christ Episcopal Church, plans by Cranbrook Architectural Service, Lone Pine Rd., 2 story, basement, rein.-con., brick, steel, plain found., Lone Pine Rd. $200,000.

Mich., Detroit — SYNAGOGUE and SCHOOL — Congregation Shaarey Zide, c/o A. Kahn, archt., 1000 Marquette Bldg., 3 story, basement, rein.-con., brick, steel, plain found., Chicago Blvd. $500,000.

Mich., Fordson (br. Detroit)—SCHOOL—Bd. Educ., 3 story, basement, 150 x 173 ft., rein.-con., brick, steel, stone, plain found. $350,000. Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, archt.

Minn., Duluth—SCHOOL—Bd. Educ., 220 North 1st Ave. E., plans by C. K. Smith, engr. and archt., 909 Torrey Bldg., 2 story, basement, 100 x 150 ft., rein.-con., brick, tile, concrete pile found., East Superior Ave. $160,000.

Mo., St. Louis—SCHOOLS—Bd. Educ., c/o Superintendent of Instruction Maddox, 911 Locust St., sketches by R. M. Milligan, engr. and archt., c/o owner, 12 rein.-con., brick, stone Junior High Schools, altering 7 existing buildings. $10,450,000.

Mo., St. Louis—TEMPLE—Jewish Congregation, c/o J. Glaser, 1113 Locust St., sketches rein.-con., brick, stone temple. $1,000,000.

Ariz., Yuma — HIGH SCHOOL — Yuma High School, bids after Dec. 1, 2 and 1 story, 184 x 184 ft. main building, 112 x 116 ft. gymnasium, Yuma St. $225,000. T. C. Kistner & Co., Architects Bldg., Los Angeles, Calif., archts.

Colo., Colorado Springs—CHAPEL—Colorado College, C. A. Meirrow, pres., chapel, on campus. $250,000 donation. Engineer and architect not selected.

Calif., Los Angeles — COLLEGE — University of Southern California plans by R. C. Flewelling, 450 North Beverly Blvd., 2 story, 125 x 180 ft., brick, timber, rein.-con., on campus. $225,000.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. plans by J. P. Krempel & W. E. Erkes, 415 Bank of Italy Bldg., Junior High School Buildings, incl. 2 story, 90 x 160 ft. auditorium building, 900 seating capacity, 2 story, 62 x 350 ft. classroom building, 2 story, 50 x 91 ft. home economics building, 300 seating capacity, 1 story, 68 x 162 ft. shop building, all brick, timber, Hoover St. $350,000. E. L. Ellingwood, H. W. Hellman Bldg., mechanical engr.

Calif., Santa Ana—SCHOOLS—Bd. Educ. plans by Allison & Allison, Hibernian Bldg., Los Angeles, new school plant at Francis Willard Jr. High School, plant in Costa Mesa, addition to Julia Lathrop Jr. High School, new science building at Senior High School, additions to several elementary schools. $1,000,000.

Ont., North Bay—SCHOOL—Bd. Educ., G. W. Lee, chn., rein.-con., brick, steel, plain found. $250,000. Engineer and architect not selected.

Ont., Ottawa—CHURCH and SUNDAY SCHOOL HALL—C. Burgess, archt., 53 Queen St., steel, stone, plain found., Carling Ave., for St. Mathews Church. $160,000.

Bids Asked

Conn., Waterbury—SCHOOL—Dec. 13, by City, School Bd., J. J. Walsh, 2 story, basement, 70 x 140 ft., brick, steel, limestone, Birch and Wall Sts. $150,000. T. M. Freney, 51 Leavenworth St., archt. Buck & Sheldon, 60 Prospect St., Hartford, engrs. Noted Sept. 27.

Conn., West Hartford (br. Hartford) — SYNAGOGUE — Dec. 12, by Beth Israel Congregation, 21 Charter Oak Ave., Hartford, brick and stone Farmington Ave. $200,000. C. R. Greco, 11 Beacon St., Boston, Mass., archt. Noted Nov. 29.

N. Y., Carmel—HIGH SCHOOL—Dec. 7, by Union Free School Dist., high school. $220,000. Knappe & Morris, 171 Madison Ave., New York, archts. Noted Oct. 18.

N. Y., New York — CHURCH and APARTMENT—See "Contracts Awarded."

N. Y., New York — NURSES HOME — Dpt. Health, 505 Pearl St., bids about Jan 1, 4 story nurses home, North Brother Island. $150,000. G. M. McCabe, 96 5th Ave., archt.

N. J., East Orange—CHURCH—Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., taking new bids general contract 2 story, basement, 109 x 182 ft., brick, steel, plain found., Midland Ave., for Church of the Holy Name of Jesus, 182 Midland Ave., $200,000. Former bids rejected. Noted Oct. 18.

N. J., Little Ferry—SCHOOLS—Bd. Educ., Boro Hall, taking bids general contract 2 story, basement, rein.-con., brick, steel, plain found., $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted July 5.

N. J., West New York—SCHOOL and HALL—W. Mayer & R. E. Genex, asso. archts., 711 Bergenline Ave., bids about Jan. 15, 2 story, basement, brick, steel, plain found., Hudson Blvd. and 14th St., for Madonna Della Libera Church, Hudson Blvd. and 14th St., $150,000.

Pa., Erie—TEMPLE—Dec. 10, by C. R. Greco, archt., Guardian Bldg., Cleveland, O., 1 and 2 story, 71 x 160 ft., brick, steel, concrete, for Anshe Chesed Temple. $250,000.

D. C., Wash.—HIGH SCHOOL—Dec. 10, by District Comrs., District Bldg., remodeling and constructing addition to Francis Junior High School.

W. Va., Parkersburg — SCHOOL — Bd. Educ., J. F. Echoles, pres., Library Bldg., bids about Dec. 19, addition, two wings and rear Senior High School. $400,000. Warne, Tucker, Silling & Hutchinson, Masonic Temple, Charleston, archts. T. T. Stansbury, Guarantee Bldg., Parkersburg, assoc. archt.

Miss., Columbus—SCHOOL—Dec. 13, by Mississippi State College for Women, c/o W. C. Trotter, secy., Jackson, secy., rein.-con., Home Economics, Hygiene Dormitory buildings, also remodeling chapel into library. $550,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt.

La., Independence — HIGH SCHOOL — Dec. 28, by W. J. Dunn, secy. Tangipahoa Parish School Bd., Amite, 2 story, rein.-con., brick, stone, rein.-con. found. $150,000. R. H. Goodman, Baton Rouge, archt. Noted Nov. 1.

Ky., Richmond—AUDITORIUM—Jan. 18, by Bd. Regents Eastern Kentucky State Teachers College, auditorium. C. C. and E. A. Weber, Ingalls Bldg., Cincinnati, O., archts. Noted Jan. 21.

Minn., Minneapolis—DORMITORY—Dec. 14, by State Dpt. of Administration & Finance, State Capitol, St. Paul, 3 story, basement, rein.-con., brick, bedford stone, State University Campus. $300,000. C. H. Johnston, 360 Robert St., St. Paul, archt.

Mo., Joplin—SCHOOL—Dec. 18, by Bd. Educ., for Alcott School, 2 story, basement, 130 x 160 ft., brick, stone, semi-fireproof; addition to West Central School. Felt, Dunham & Kriehn, 300 East 47th St., Kansas City, archts.

Tex., San Antonio—HIGH SCHOOL—Bd. Educ., Harlandale Dist., c/o M. L. Rees, 410 Pacific Ave., taking bids Junior High School, 2 story, 68 x 140 ft., brick, rein.-con., plain found. $150,000. Morris & Noonan, c/o Builders Exch. Bldg., archts. Noted Nov. 15.

Calif., Chico—SCHOOL—Dec. 18, by G. B. McDougal, state archt., P. Wks. Bldg., Sacramento, 2 story, basement, 64 x 320 ft. administration building, brick, rein.-con., plain found., at State Teachers College. $200,000. Concrete pile foundations already contracted. Noted Nov. 1.

Calif., Inglewood — HIGH SCHOOL — Inglewood Union High School Dist., bids about Dec. 15, 2 story, 200 x 337 ft. main, 1 story, 96 x 213 ft. manual arts, 96 x 144 ft. cafeteria buildings, rein.-con., brick, Lawnsdale Sect. $400,000. T. C. Kistner & Co., 814 Architects Bldg., Los Angeles, archts. Noted July 26.

Calif., Sacramento—SCHOOL—Jan. 14, by Bd. Educ. (3rd unit) Lincoln School, 2 story, brick, concrete. $200,000 or more. Dean & Dean, State Life Bldg., archts.

Calif., San Francisco — SCHOOL — Dec. 26, by Bd. P. Wks., Marina Elementary School, 2 story, rein.-con. To exceed $150,000. Engineer and architect not selected.

Contracts Awarded

Mass., Chicopee—COLLEGE—Our Lady of the Elms, c/o T. Leary, bishop, foundation for rein.-con., brick, steel academy, to Daniel O'Connell & Sons, Inc., 480 Hampden St., Holyoke. Total est. $150,000. Noted Oct. 4.

Mass., Danvers—NURSES HOME—Dpt. Mental Diseases, State House, Boston, 3 story, basement, brick, steel, plain found., at State Hospital, to Z. A. Houle, 53 Central St., Lowell. Est. $150,000. Noted Oct. 4.

Mass., Worcester—HOME—St. Francis Aid Society, J. H. Fontaine, 4 story, basement, 80 x 125 ft., brick addition, plain found., Thorne St., to L. Rocheford & Son, 44 Front St. Est. $150,000 or more.

R. I., Cranston (mail Providence)—SCHOOL—At office L. A. Smith, clk., general contract 2 story basement, brick, stone, plain found., to E. Turgeon, 36 Exchange Pl., Providence, $199,338. Noted Oct. 25.

N. Y., Brooklyn—SCHOOLS—Bd. Educ., 500 Park Ave., New York, general contract P. S. 235 and P. S. 233, to D. M. W. Contg. Co., 5th Ave. and 92nd St., $516,770 and $521,000 respectively; heating, to D. J. Rice, Inc., 606 1st Ave., New York, $73,200 and $72,700 respectively; plumbing, to H. Homer & Sons, 137 58th St., $27,935 and $27,290 respectively. Grand total $1,238,895. Noted Nov. 15.

N. Y., New York — CHURCH and APARTMENT—Church Eng. Co. (archts. and lessee), 101 Park Ave., 15 story church and apartment, for Calvary Baptist Church, 123 West 57th St., separate contracts. $2,500,000. Noted Sept. 20.

N. Y., New York—COLLEGE—Columbia University, H. L. Norris, in charge, 10 story college, Amsterdam Ave. and 119th St., to T. O'Reilley, 415 Lexington Ave. Est. $1,000,000.

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Buildings—Educational, Religious (Cont.)

N. J., Princeton—SCHOOL—Princeton Junior School for Boys, M. Murch, head master, general contract 2 story, basement, brick, steel, plain found., to Mathews Constr. Co., Princeton. Est. $150,000. Noted Nov. 29.

N. J., South Orange—BIBLE SCHOOL—First Presbyterian Church, Irving Ave., general contract 3 story, basement, 65 x 110 ft., brick, steel, plain found., to Fatzler Co., 676 South 16th St., Newark. Est. $150,000. Noted Sept. 20.

Pa., Slippery Rock — TEACHERS TRAINING SCHOOL — Slippery Rock State Normal School, W. L. Linwood, principal, general contract 2 story, basement, 65 x 168 ft., brick, concrete, steel, to F. D. Beyer Co., Tyrone, $127,780.

Md., Baltimore—CHURCH and HALL—Frohman, Robb & Little, archts., 140 Boylston St., Boston, Mass., 1 story, 57 x 120 ft., rein.-con., brick, hollow tile, to E. A. Wehr, Highland Bldg., Pittsburgh, Pa., for Church of Our Savior English Lutheran Church, A. Strenke, pastor. Noted Oct. 11.

N. C., Durham—COLLEGE—North Carolina College for Negroes, R. L. Flowers, chn. Bd. Trustees, 3 story, basement, 50 x 150 ft., fireproof administration building, incl. 14 classrooms, library, chemistry, physics laboratories and lecture rooms, to G. W. Kane, 1st Natl. Trust Bldg. Est. $150,000. Noted Aug. 23.

O., Springfield — GYMNASIUM and ATHLETIC—Bd. Trustees Wittenberg College, 2 story, basement, 110 x 130 ft., brick, steel, on campus, to J. I. Barnes, Springfield $184,600.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, rein.-con., brick, steel, plain found., to A. F. Evans, 14267 Fordham Ave. Est. $175,000. Noted Sept. 27.

Ill., Chicago — DORMITORIES — H. J. Gaul, archt., 228 East Superior St., masonry contract two 2 story, 50 x 120 ft. brick, to J. Gebhardt & Son, 179 West Washington St., for Angel Guardian Orphanage, 2001 Devon Ave. Est. $250,000. Noted Oct. 18.

Ia., Davenport — SCIENCE HALL — St. Ambrose College, P. A. Hauber, pres., 3 story, basement, 60 x 140 ft., rein.-con., brick, stone, to Blunk & Joehnke, Davenport. Est. $150,000. Noted Oct. 11.

Ark., North Little Rock—HIGH SCHOOL—School Bd., W. E. Phipps, secy., 11th and Willow Sts., general contract 3 story, basement, 2 story tower, 52-room school, to William Peterson Co., El Dorado, $294,987; heating, to El Dorado Heating & Plumbing Co., El Dorado, $52,454. Noted Nov. 15.

Tex., Beaumont—HIGH SCHOOL—Bd. Educ., M. E. Moore, pres., Weiss Bldg., general contract 3 story, 164 x 323 ft., and 1 story, 89 x 107 ft. gymnasium, brick, steel, stone, hollow tile, to McDaniel Bros., Kyle Bldg., $617,450; heating and plumbing, to Warren & Shivers, 305 Hagerman St., Houston, $67,002; electric wiring, to A. T. Cook, Esperson Bldg., Houston, $29,659. Grand total $714,101. Noted Nov. 1.

Tex., Houston — HIGH SCHOOL — Houston Independent School Dist. at office H. L. Mills, bus. mgr., 1600 Washington Ave., completing 3 story and constructing brick, steel addition to Jefferson Davis Senior High School, plain found., to Base Constr. Co., 2215 Post Dispatch Bldg. $11,047 and $157,200 respectively. Noted Nov. 8.

Ore., Portland — HIGH SCHOOL — City School Bd., 3 story, basement, irregular shaped, rein.-con., timber, Clinton St., to H. E. Doering, East 7th St. $509,803.

B. C., Alert Bay—SCHOOL—Dpt. Indian Affairs, D. C. Scott, deputy minister, Ottawa, Ont., 4 story, 60 x 147 ft., brick, stone, plain found., Indian Reserve, to T. Carson, 1836 14th Ave., Vancouver, $150,000.

Federal Government Work

Proposed Work

Conn., New London—DREDGING—Spec. 5785—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 3,000 cu.yd. at Naval Submarine Base.

Pa., Phila. — REFRIGERATING UNIT—Spec. 5796—Bureau Yards & Docks, Navy Dpt., Wash., D. C., automatic refrigerating unit.

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D. C., Wash. — HOSPITAL — Quartermaster Division, final plans neuropsychiatric unit for Walter Reed General Hospital. $250,000. Noted Aug. 9.

Virginia and North Carolina—DREDGING—U. S. Engineer Office, Norfolk, Va., rejected bids Oct. 18, in Pamlico River-Bay River Section, Inland Waterway from Norfolk, Va., to Beaufort Inlet, N. C. Noted Nov 1.

Fla., Jupiter—BULKHEAD—Spec. 5703—Bureau Yards & Docks, Navy Dpt., Wash., D. C. rejected bids repairing bulkhead at Naval Radio Station. Noted Nov. 22.

Miss., Vicksburg — QUARTERBOATS — U. S. Engineers Office, P. O. Box 671, rejected bids Nov. 9, 3 wooden quarterboats. Noted Oct. 25.

Mich., Camp Custer (br. Battle Creek)—WATERPROOFING—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., rejected bids Nov. 13, waterproofing U. S. Veterans Hospital. Noted Nov. 22.

Bids Asked

Mass., Nantucket—RADIO TOWERS—Dec. 12, by Dist. Pub. Wks. Office Bldg., Navy Yard, 2 steel radio towers, at Surfside Station. Noted Nov. 29.

N. Y., Brooklyn—CABLE—Dec. 20, by O. I. C. Signal Corps Procurement, Dist. of New York, 58th St. and 1st Ave., 184,820 ft. various telephone cable.

Del., Cape Henlopen — ROAD and TRESTLES — Spec. 5696 — Dec. 19, by Bureau Yards & Docks, Navy Dpt., Wash., D. C. cinder and timber trestles, at Naval Radio Compass Station. Noted Nov. 29.

D. C., Wash. — DISTRIBUTION SYSTEM—Dec. 18, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., new steam distribution system, at U. S. Veterans Hospital, Mt. Alto.

D. C., Wash.—STEEL HULL—Dec. 20, by U. S. Engineer Office, 1068 Navy Bldg., constructing steel hull, for 18 in. pipe line dredge.

D. C., Wash.—VAULT DOORS—Dec. 22, by A. L. Flint, comr. Genl. Purchasing Officer, Panama Canal, vault doors and vault lining.

D. C., Wash.—INTERNAL REVENUE—Jan. 15 (extended date), at office Supervising Archt., Wash., D. C., internal revenue building (except elevators). J. A. Wetmore, acting superv. archt. Noted Nov. 22.

Va., Yorktown — SPRINKLER SYSTEM—Spec. 5684—Dec. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., automatic sprinkler system and fire resisting partitions at Naval Mine Dpt. Noted Nov. 15.

Ala., Tuskegee—ACUTE BUILDING—Dec. 27, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing Acute Building, incl. walks, drainage, etc., at U. S. Veterans Hospital.

La., New Orleans—EARTHWORK—Dec. 10, by U. S. Engineer Office, River Front and Burdette St., 1,250,000 cu.yd. earthwork in New Orleans River Dist.

Canal Zone — RADIO MASTS and TOWER—Spec. 5737—Jan. 16 (extended date), by Bureau Yards & Docks, Navy Dpt., Wash., D. C., radio masts and tower, at Naval Radio Station, La Palma and Puerto Obaldio, Panama and Darien. Noted Nov. 15.

Bids Received

Me., Fort Williams — BUILDINGS — Quartermaster, constructing 13 buildings, from Thomas Skinner Co., Inc., South Portland, $27,772.

Mass., Bedford—ACUTE BUILDING—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Nov. 27, acute building, officers duplex quarters and utilities building, from J. S. Greenwood, 260 Tremont St., Boston, $320,984 (320 days); elevator, from Warsaw Elevator Co., Warsaw, N. Y., $3,890. Noted Oct. 25.

N. Y., Brooklyn—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., New York, Nov. 26, 77,800 cu.yd. Newtown Creek, from Morris & Cummings Dredging Co., 15 Moore St., New York, at $0.72 per cu.yd. Noted Nov. 15.

N. Y., Elmira—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., extending U. S. Post Office, from Agostini Bros., Arcade Bldg., Norfolk, Va., $189,806. Noted Nov. 8.

Pa., Lancaster—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 26, 2 story, basement post office, from A. Blair, 1st Natl. Bank Bldg., Montgomery, Ala., $359,900. Noted Nov. 1.

Md., Annapolis — TURBO-GENERATOR—Spec. 2529 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., Nov. 28, turbo-generator and auxiliary equipment at U. S. Naval Academy, from General Electric Co., River Rd., Schenectady, N. Y., $40,160. Noted Nov. 15.

Ind., Anderson — EXTENSION — Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 30, extension, remodeling U. S. Post Office here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia. Noted Nov. 1.

South Dakota—DRAINS—Bureau Reclamation, Dpt. Interior, Newell, 23 mi. open drains and drainage structures on Belle Fourche Project from Metropolitan Constr. Co., Omaha, Neb., $58,971. Noted Oct. 25.

Contracts Awarded

N. Y., New York—HULL—U. S. Engineer Office, one 121 ft. steel hull steam driven patrol vessel, to Spedden Shipbuilding Co., Inc., Boston and Kenmore Aves., Baltimore, Md.

Pa., Phila. — DREDGING SLEEVES — U. S. Engineer Office, rubber dredging sleeves, to Goodyear Tire & Rubber Co., Inc., East Market St., Akron, O., $14,232.

Pa., Pittsburgh—LOCK—U. S. Engineer Office, Lock 7, Allegheny River to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $719,035. Noted Nov. 29.

D. C., Wash.—BARGES—U. S. Engineer Office, 1069 Navy Bldg., 2 steel barges at U. S. Engineer's Wharf to Atlantic Ellis Channel System, Inc., 33 Rector St., New York, $19,500. Noted Nov. 29.

D. C., Wash. — WARMING UP PLATFORM — Spec. 5792 — Bureau Yards & Docks, Navy Dpt., warming-up platform at Anacostia Naval Air Station to G. B. Mullin Co., Inc., 1296 Upshur St., N. W., $5,998. Noted Nov. 22.

N. C., Wilmington—STEEL BARGES—U. S. Engineer Office, testing and delivering 2 steel barges to Bethlehem Shipbuilding Corp., 25 Bway., New York, $14,890. Noted Oct. 25.

S. C., Charleston—STEEL LIGHTER—Superintendent of Lighthouses, 100 ton steel lighter, to J. S. Schofield's Sons Co., Macon, Ga., $7,893 (100 days). Noted Oct. 11.

Mississippi — CURRENT RETARDS — U. S. Engineer Office, Memphis, Tenn., in Mississippi River, to Woods Bros. Constr. Co., 132 South 113th St., Lincoln, Neb., $243,240. Noted Oct. 18.

Miss., Corinth — EXTENSION — Treas. Dpt. at office Supervising Archt., Wash., D. C., extending U. S. Post Office, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $56,700 (300 days). Noted Nov. 22.

Ark., Conway—POST OFFICE—Treas. Dpt., at office supervising archt., Wash., D. C., post office, to C. Weitz's Constr. Co., 713 Mulberry St., Des Moines, Ia., $79,560 (365 days). Noted Nov. 29.

Unclassified

Proposed Work

STORAGE TANKS, GARAGE and OFFICE—**Stamford, Conn.**—Standard Oil Co. of New York, 370 7th Ave., New York, sketches, storage tanks, garage and office, South St. Private plans.

SWIMMING POOL — **Belmar, N. J.** — Belmar Ultra Violet Swimming Pool Corp. rejected bids, 2 story, 170 x 184 ft., brick, steel, Ocean and 5th Aves. $300,000. Will probably revise plans. C. B. Cook, Asbury Park Trust Bldg., Asbury Park, archt. Noted Nov. 1.

LAND DEVELOPMENT—**North Plainfield** (mail Plainfield), **N. J.**—Radio Home Builders, 180 Bway., New York, laying out new streets, grading, community house, dwellings, north of Greenbrook Ave. between Clinton and Rock Ave. $200,000. Private plans.

BULKHEAD—**Oceanport, N. J.**—Oceanport Park Co., A. L. Lacombe, pres., 666 Lyon Ave., Irvington, timber bulkhead. $25,000. Engineer not selected.

SWIMMING POOL — **Spring Lake** (Spring Lake Beach P. O.), **N. J.**—Bd. Boro Council, Boro Hall, 50 x 100 ft. rein.-con., glazed brick swimming pool, 2 story, 120 x 275 ft. pavilion, Salem, Ocean and Atlantic Aves. $150,000. E. H. Schmieder, 1109 3rd Ave., Spring Lake, engr. Noted Nov. 22.

STADIUM — **Wash., D. C.** — District Comrs., District Bldg., plans by A. L.

Unclassified Work (Continued)

Harris, municipal archt., Municipal Bldg., stadium at McKinley High School, 2nd and T Sts. N.E.

PIER—**Miami Beach** (br. Miami) **Fla.**—Million Dollar Pier Corp., C. R. K. Carter, pres., preliminary plans by W. F. Brown, Lincoln Rd., pier, Biscayne Ave. and Ocean Dr. $300,000.

GAS LINE — **Tennessee** — Memphis Natural Gas Co., subsidiary Union Utilities, Inc., 57 William St., New York, surveys natural gas line from Memphis to Nashville. $8,000,000.

PACKET BOAT—**Jeffersonville, Ind.**—J. Howard, c/o Howard Shipyard & Dock Co., preliminary plans 200-cabin, diesel engine driven, steel-hull, side-wheel Mississippi River Packet Boat. Private plans.

GOLF LINKS, etc.—**Peoria, Ill.**—City Park Bd. improvements to North Moor Golf Links, incl. club houses, pavilion. $25,000. M. G. Newman, pres.

FACTORY EQUIPMENT—**Montgomery, Minn.**—Minnesota Valley Canning Co. soon takes bids equipment for canning factory, deep well, pumping equipment, motors, wiring, mechanical transmission lines, stokers, smoke stack, pipe fittings, valves. $90,000. R. W. Richardson, 301 Zenith Bldg., St. Paul, engr.

SUBWAY—**Rochester, Minn.**—City and Chicago & Northwestern Ry. Co., W. J. Towne, ch. engr., Chicago, Ill., subway at 1st Ave. N. W. $134,000. C. H. Armstrong, city engr.

WHARF—**Kansas City, Mo.**—City surveys wharf. $500,000. W. F. Schultz Eng. Co., Shrine Bldg., Memphis, Tenn., engrs. Noted May 24.

STEAM and HOTWATER LINES — **Koch, Mo.**—City of St. Louis, c/o Bd. P. Serv., City Hall, soon takes bids underground steam and hot water lines, incl. trenching, backfilling, manholes, extending electric wiring in distribution system of Robert Koch Hospital. $26,750. Private plans.

NATURAL GAS DISTRIBUTING SYSTEM—**Carrizo Springs, Tex.**—J. G. Pundt, Carrizo Springs, or Frost Bldg., San Antonio, granted franchise natural gas distributing system, incl. mains, laterals, etc. $35,000. Private plans.

TRANSMISSION LINE, etc.—**Luther, Okla.**—R. K. Johnston, 1016 Colcord Bldg., Oklahoma City, granted franchise electric transmission line and distribution system. $25,000. Private plans. Noted Nov. 1.

FISH HATCHERY—**Tishomingo, Okla.**—Bd. of Affairs, Capitol, Oklahoma City, preliminary plans fish hatchery on Pennington Creek. $40,000. R. O. Weems, warden.

GAS MAINS—**Colorado Springs, Colo.**—City Council extending gas system, incl. 14 mi. new mains, 12 regulator stations. $425,000. F. O. Ray, city engr.

GRAIN ELEVATOR—**Seattle, Wash.**—Port Comn., 1,235,000 bu. grain elevator, incl. 48 main bins, 64 x 284 ft., steel, concrete structure, Smith Cove. $900,000. J. R. West, port engr.

TUNNEL — **California** — Hy. Dist. Alameda Co. (Oakland) and Contra Costa Co. (Martinez) having surveys made for Broadway tunnel. $1,500,000. To be financed by a district now being organized. G. A. Posey, Court House, Oakland, engr.

TUNNEL—**Berkeley, Calif.**—Regents of University of California, tunnel across campus for traffic for Euclid Ave. from Memorial Stadium $500,000-$700,000.

LIGHTING SYSTEM—**Monrovia, Calif.**—City Council lighting system, incl. Marbelite type lighting post on Seymour Pl., Scenic Dr., Encinitas, Ivy and Hillcrest Aves. O. A. Gierlich, city engr.

POLICE SIGNAL SYSTEM — **St. John, N. B.**—City installing police signal system. $41,765.

GRAIN ELEVATOR — **Meaford, Ont** — Town, 1,000,000 bu. grain elevator, concrete Waterfront. $400,000. C. D. Howe & Co., 712 Whalen Bldg., Port Arthur, engrs.

POWER DEVELOPMENT — **Winnipeg, Man.** — Hydro-Electric System, 55 Princess St., J. G. Glassoo, genl, mgr., voted $6,500,000, power house, dam and regulating spillways, 4 transmission line circuits 80 mi. long between Winnipeg and Slave Falls, 6 mi. transmission tie line of two 66,000 volt circuits between Pointe Du Bois and Slave Falls on Winnipeg River. Noted Oct. 25.

Bids Asked

BUS TERMINAL—**Fall River, Mass.**—Interstate Limited Motor Coach Co., A. P. Russell, South Station, Boston, taking bids 1 story, brick, Pocasset St. $25,000 or more. Private plans. Noted Mar. 15.

GREENHOUSES and BOILER HOUSE — **Woburn, Mass.** — See "Contracts Awarded."

GOLF COURSE and CLUB HOUSE—**Meriden, Conn.**—Dec. 10, at office W. L. de Bussy, mayor, City Hall, golf course and club house. $33,430. R. J. Ross, 575 New Britain Ave., Hartford, engr.

PILE DRIVER—**New York, N. Y.**—Dec. 13, by M. Cosgrove, Comr. Docks, foot Battery Pl., North River, constructing and furnishing new pile driver, Contr. 1924.

SUBWAY—**New York, N. Y.**—Dec. 28, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sects. 1 and 2, Route 103, Rapid Transit R.R.

TRACK MATERIALS—**New York, N. Y.**—Dec. 14, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., track materials (Order 12) for use in construction Rapid Transit Railroad.

BOARDWALK—**Rye, N. Y.**—Dec. 18, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, extending timber boardwalk, new boardwalk, concrete retaining wall, wood foundation piles for adjacent buildings, at "Playland," Rye Beach and Manursing Island Park. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 6.

LOCKERHOUSE—**Yonkers, N. Y.**—Dec. 19, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, locker house building at Sprain Brook Golf Course. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 6.

HEATING, etc.—**North Bergen** (Ind. br. Weehawken) **N. J.**—Dec. 13, by Bd. Educ., Township Hall, heating and ventilating for Horace Mann School, Hudson Blvd., Midway Pl. and 38th and 39th Sts. $64,000. Former bids rejected. R. Glenn, town engr. Noted Nov. 29.

GRADE CROSSING ELIMINATION — **Phila., Pa.**—Dec. 19, at Office C. Dillenbeck, ch. engr., 505 Reading Terminal, elimination grade crossing along Norristown Branch of Reading Co. between Wissahickon Creek and Fountain St., Contrs. 3, 6, 7 and 9; adv. E. N.-R. Dec. 6.

GAS LINE—**Tennessee and Louisiana**—See "Contracts Awarded."

LAMP STANDARDS — **Chicago, Ill.** — Dec. 12, by M. J. Kennedy, comr. Gas & Electricity, City Hall, ornamental C. I. lamp standards.

Bids Received

SPECIAL WORK—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Nov. 27, special work (rails, frogs and switches), Order 46, from Bethlehem Steel Co., 25 Bway., $36,990; and Order 47, from Lorain Steel Co., 71 Bway., $35,714. Noted Nov. 22.

WHARF SHEDS—**New Orleans, La.**—Bd. Comrs. Port of New Orleans, New Court House, Nov. 20, St. Andrews Wharf Sheds to uniform widths, incl. 320 tons structural steel, from Virginia Bridge & Iron Co., Whitney Bldg., New Orleans, $25,326. Noted Nov. 15.

Contracts Awarded

UNLOADING PLATFORM and FREIGHT HOUSE—**Malden** (br. Boston), **Mass.**—Boston & Maine R.R. Co., W. J. Backes, ch. engr., Boston, 175 ft., brick, steel loading platform, and 1 story, 30 x 150 ft., freight house, to Pitman & Brown Co., 7 Washington St., Salem. Noted Nov. 15.

GREENHOUSES and BOILER HOUSE —**Woburn, Mass.**—N. Anderson, 71 Middle St., 3 glass, timber greenhouses, 80 x 500 ft., and 1 story, brick boiler house, Middle St., separate contracts.

FIRE ALARM SYSTEM — **Brooklyn, N. Y.**—J. J. Dorman, fire comr., Municipal Bldg., New York, portion underground fire alarm system, Fort Hamilton Impvt., to W. F. Kenny Co., 44 East 23rd St., $20,293, and to Waterbury Cable Serv. Co., 3.9 East 162nd St., $21,250. Noted Nov. 15.

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Sect. 5-A, Route 109, Rapid Transit R.R., to C. Petrillo Co., East Chester Creek and Boston Rd., New York, $2,019,977. Noted Nov. 22.

ELECTRICAL WORK — **Kings Park, N. Y.** — Commissioner Mental Hygiene, Albany, electrical work, rewiring buildings, B, C and D, Kings Park State Hospital to Waldman & Co., Inc., 224 East 41st St., New York, $18,394. Noted Oct. 4.

DUCT LINE — **New York, N. Y.** — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., duct line in Isham St. between Bway. and Substation 1, 10th Ave. near Isham St., to E. T. Barry, 126-06 139th Ave., Laurelton, $39,035. Noted Nov. 22.

PIERS—**New York, N. Y.**—A. Goldman, comr. Plant & Structures, Municipal Bldg., piers for Ludlow Avenue Bridge over Bronx River, to E. O. Roberts Co., Inc., 52 Vanderbilt Ave., $294,400. Noted Nov. 8.

FIRE SPRINKLERS — **Poughkeepsie, N. Y.** — Commissioner Mental Hygiene, Capitol, Albany, covering automatic fire sprinklers at Hudson River State Hospital to Empire Automatic Sprinkler Co., 1042 University Ave., Rochester, $30,487. Noted Oct. 4.

STADIUM—**Richmond, Va.**—Bd. Stadium Trustees, J. A. Cutchins, chn., Grace Securities Bldg., (1st unit) stadium, Belmont Ave. near Byrd Park, to J. T. Wilson & Co., Inc., Mutual Bldg., $97,125.

GOLF COURSE — **Macon, Ga.** — Junior Chamber of Commerce, 18 hole, golf course, on Columbus Rd. near here, to Mangham Constr. Co., Macon, $40,000.

GAS LINE—**Tennessee and Louisiana**—Memphis Natural Gas Co., subsidiary Union Utilities, Inc., 57 William St., New York, 18 in. natural gas pipe line from Memphis, Tenn., to Monroe, La., separate contracts and day labor. Est. $8,000,000.

FIELD HOUSE — **Columbus, O.** — Bd. Educ., general contract 40 x 110 ft. field house for East High School, in Eastgate Addition, to F. L. Mattheas, 427 East Dunedin Rd., $16,500; plumbing, to Stai Plumbing Co., 270 East Livingston Ave., $2,834; heating and electrical work, to S. A. Esswin Plumbing & Heating Co., 546 West Broad St., $1,550. Noted Nov. 15.

CAUSEWAY — **Youngstown, O.** — F. A. LaBelle, secy., 901 City Bank Bldg., Austintown Causeway, Contr. 9, to Pitt Constr. Co., Empire Bldg., Pittsburgh, Pa., $144,000. Est. $150,000. Noted July 26.

ELECTRIC DISTRIBUTION SYSTEM—**St. Charles, Minn.**—S. F. Clarkson, city clk., electric distribution and lighting systems, to Donovan Constr. Co., 402 Builders Exch., St. Paul, $31,910. Noted Oct. 25.

TANKS—**Houston, Tex.**—Roxana Petroleum Corp., Shell Bldg., St. Louis, Mo., 130 tanks from 1,000 to 118,000 bbl. capacity, for refinery near here, to Chicago Bridge & Iron Co., 105th and Throop Sts., Chicago, Ill.; 12,000 tons steel for above, awarded to U. S. Steel Corp., 71 Bway., New York.

Materials

Bids Asked

MOTOR OIL, etc.—**Long Island City, N. Y.**—Dec. 13, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 25,000 gal. motor oil in drums; 300,000 gal. gasoline in drums; and 80,000 gal. fuel oil.

HIGHWAY MATERIAL, etc. — **New York, N. Y.**—Dec. 12, by P. J. Dooling, comr. Purchase, Municipal Bldg., highway, roofing, and building materials to Dpts. Correction, Parks & Structures, Public Welfare, Water Supply, Gas & Electricity, and Fire and Police Dpts.

LUMBER and PILES—**New York, N. Y.**—Dec. 14, by P. J. Dooling, comr. Purchase, Municipal Bldg., lumber and piles to Bellevue & Allied Hospitals, Dpts. Correction, Docks, Parks, Plant & Structures, Street Cleaning and Police.

ROAD OIL — **Roseville, Ill.** — Point Pleasant Twp. purchasing 10 cars road oil for spring 1929. A. Woodward, Roseville, hy. comr.

BRIDGE LUMBER — **Chariton, Ia.** — Dec. 10, at office Auditor Lucas Co., 149,250 ft. untreated and 27,640 ft. treated bridge lumber, 8,164 ft. piling. A. R. Bartell, Chariton, co. engr.

CRUDE OIL—**Fresno, Calif.**—Dec. 14, by D. M. Barnwell, clk. Fresno Co., 125,000 bbl. natural crude oil, unprocessed. C. P. Jensen, Holland Bldg., co. surv.

Foreign

S. A., Colombia — Baldwin Locomotive Wks., engrs. and representing owners, 500 North Bridge St., Phila., Pa., taking bids all kinds machine and shop tools and machinery for locomotive repair shops at Cali. $2,000,000. N. W. Semple, Jr., in charge.

Constr. News page 311

See proposal advertising on page 151

UNIT PRICES

Unit Price Lists Published in November, 1928

		Issue of
Bridge	Baltimore, Md	Nov. 1
Bridge	Florida	Nov. 15
Dam	Pittsburgh, Pa	Nov. 8
Dam	Graham, Tex	Nov. 8
Paving	Portland, Ore	Nov. 22
Pier	Long Beach, Calif	Nov. 15
Sewage treatment plant and relief trunk sewer	Red Bank, N. J	Nov. 8
Sewerage system	Star City, W. Va	Nov. 15
Sewerage system	Port Gibson, Miss	Nov. 22
Sewers	Syracuse, N. Y	Nov. 22
Water-works	Oakland, Calif	Nov. 1

Road—Missouri

State Highway Commission, Jefferson City, opened bids Sept. 14, F. A. Project No. 10, Cole Co., 4.365 mi. concrete road, 20 ft. wide. Bidders are: (A) Atkinson Paving Co., Watertown, S. D.; (B) Pope Construction Co., Jefferson City. T. H. Cutler, chief engineer.

	A	B
10,843 cu.yd. class C excav	$0.40	$0.35
72,317 cu.yd. jetting fills	.05	.04
51,968 sq.yd. port. cement conc.	.93	1.00
114 lin.ft. 12 in. V.C. pipe	1.75	2.50
635 lin.ft. conc. curb and gutter	.70	1.00
534 lin.ft. conc. gutter	.85	.60
352 lin.ft. 46 in. conc. flume	1.50	.80
398 lin.ft. 71 in. conc. flum	2.00	1.00
1 manhole sta. Ot. 37	75.00	75.00
5 manhole ring and cover	15.00	30.00
4 lamphole ring and cover	12.00	15.00
3 drop inlet complete	50.00	75.00
Totals	$59,444	$61,482

Engineering News-Record, Issue of December 6, 1928.

Lock and Dam—Hastings, Minn.

U. S. Engineer Office, Arcade Bldg., St. Paul, opened bids Sept. 27, lock and dam in Mississippi River near Hastings. Work consists of furnishing materials and labor for, and constructing fixed parts of lock including upper and lower guide walls; movable dam including abutment; Taintor gates and bridge; earth dam including core walls; stone paving and esplanade; some incidental metal work. Bidders are: (A) Fegles Construction Co., Ltd., 520 Sexton Bldg., Minneapolis, (awarded contract); (B) Northern States Contracting Co., St. Paul; (C) Wood Bros. Construction Co., Lincoln, Nebr.; (D) A. Guthrie & Co., Inc., St. Paul; (E) Siems, Helmers & Schaffner, St. Paul; (F) Dravo Contracting Co., Pittsburgh; (G) U. G. I. Contracting Co., Philadelphia; (H) Byllesby Engineering & Management Corp., Chicago.

	A	B	C	D	E	F	G	H
LOCK								
721 lin.ft. lock—cofferdam, per lin.ft. of permanent work	$126.00	$132.00	$108.00	$210.00	$175.00	$150.00	$125.00	$250.00
851 lin.ft. guide walls—cofferdam, per lin.ft. of permanent work	25.00	132.00	108.00	210.00	40.00	150.00	64.00	250.00
40,000 cu.yd common excavation	.36	.70	.75	1.00	.80	1.20	1.00	1.50
14,000 cu.yd. fill	.575	.28	.35	.90	.40	.50	.40	1.50
22,600 cu.yd. class "A" concrete	11.82	8.85	12.30	10.75	13.00	16.00	15.00	14.50
19,400 cu.yd. class "B" concrete	9.90	8.17	12.05	10.25	12.30	14.00	15.00	14.00
4,000 cu.yd. riprap	4.74	5.60	4.55	3.75	3.00	6.00	6.00	8.00
177,000 lin.ft. timber piles	.52	.63	.56	.36	.60	.60	.85	.80
60,000 sq.ft. steel sheet piles	1.39	1.37	1.35	1.50	1.62	2.00	1.95	2.00
120,000 ft. B.M. common timber	76.50	80.00	70.00	85.00	70.00	100.00	130.00	120.00
2,200 ft. B.M. oak timber	257.00	210.00	300.00	130.00	200.00	250.00	340.00	300.00
130,000 lb. structural steel	.08	.11	.09	.06	.08½	.12	.12	.07
44,000 lb. reinforcing rods	.056	.05	.05	.05	.057	.06	.07	.05
1,800 lb. forgings	.147	.20	.25	.15	.20	.24	.17	.15
200 lb. cast iron	.115	.15	.15	.08	.10	.12	.12	.10
7,600 lb. cast steel	.246	.30	.25	.19	.25	.30	.20	.30
8,300 lb. bolts	.124	.15	.12	.09	.12	.20	.13	.10
600 lb. pipe railing and fitt ngs	.31	.35	.25	.19	.25	.40	.65	.25
4 tile gages	676.00	1,000.00	500.00	500.00	1,000.00	300.00	890.00	2,000.00
Totals	$808,070	$810,089	$912,572	$960,117	$961,334	$1,169,426	$1,133,596	$1,331,310
MOVABLE DAM								
822 lin.ft. cofferdam, per lin.ft. of completed work	$82.30	$137.00	$82.00	$210.00	$155.00	$250.00	$200.00	$175.00
43,000 cu.yd. common excavation	.34	.70	.75	1.00	.80	.30	.40	1.50
5,000 cu.yd. fill	.676	.28	.35	.90	.40	.50	.60	1.50
10,500 cu.yd. riprap	5.43	5.60	4.55	3.75	3.00	6.00	6.00	8.00
4,000 cu.yd. derrick stone	4.75	5.25	5.00	3.25	3.50	7.00	6.00	8.00
55,000 lin.ft. timber piles	.563	.63	.56	.36	.53	.60	1.00	8.00
34,000 sq.ft. steel sheet piles	1.49	1.37	1.35	1.50	1.62	2.00	1.74	2.00
347,000 ft. B.M. common timber	77.00	80.00	70.00	85.00	70.00	100.00	130.00	120.00
1,500 ft. B.M. oak timber	263.00	210.00	300.00	130.00	200.00	300.00	340.00	300.00
4,000 cu.yd. class "A" concrete	13.40	8.85	12.30	10.75	12.90	25.00	15.00	14.50
13,000 cu.yd. class "B" concrete	10.40	8.17	12.05	10.25	12.20	12.00	15.00	14.00
290,000 lb. structural steel	.074	.11	.08	.06½	.076	.12	.12	.07
10,000 lb. reinforcing rods	.055	.05	.05	.05	.057	.07	.07	.05
65,000 lb. forgings	.11	.20	.15	.09½	.12	.18	.10	.15
7,500 lb. cast iron	.151	.15	.20	.12	.145	.30	.12	.10
6,400 lb. cast steel	.23	.30	.25	.18	.25	.30	.20	.30
20,000 lb. bolts	.105	.15	.12	.09	.065	.20	.13	.10
8,000 lb. pipe railing and fittings	.159	.35	.20	.12	.25	.30	.65	.25
20 taintor gates	5,270.00	4,680.00	6,000.00	4,550.00	5,270.00	8,000.00	8,500.00	3,900.00
Totals	$599,740	$622,674	$637,019	$670,572	$670,127	$921,820	$980,360	$841,160
EARTH DAM								
225,000 cu.yd. embankment	$0.422	$0.55	$0.40	$0.47	$0.26	$0.40	$0.57	$0.75
170 cu.yd. class "A" concrete	18.00	15.00	12.30	13.25	18.40	25.00	35.00	14.50
85,750 sq.ft. steel sheet piles	1.29	1.37	1.35	1.50	1.65	1.50	1.57	2.00
27,000 sq.yd. stone paving	2.94	2.50	2.75	2.00	2.80	2.50	2.65	3.00
Totals	$288,007	$311,277	$282,103	$290,627	$359,715	$290,375	$340,377	$423,715
Grand totals	$1,695,819	$1,744,041	$1,831,695	$1,921,317	$1,991,177	$2,381,621	$2,382,334	$2,596,185

Engineering News-Record, Issue of December 6, 1928.

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Plant, Hopewell, Va., Atmospheric Nitrogen Co., Solvay, Syracuse, N. Y., expending $35,000,000.

Theatre, apartment and store, Chicago, Ill., Syndicate c/o L. J. Lesser, sketches $15,000,000.

Theatre, Boston, Mass., Fox Films, New York, N. Y., $5,000,000.

Produce terminal, Detroit, Mich., Detroit Union Produce Terminal Co., $5,000,000.

Sewers, Detroit, Mich., Wayne Co., $3,220,000.

Hotel, Long Branch, N. J., W. H. Pawson, New York, N. Y., sketches, $3,000,000.

Roads, Quebec, Que., election soon, $2,217,343.

Schools, St. Joseph, Mo., Bd. Educ., $2,180,000.

Roads, Lubbock, Tex., Lubbock Co., defeated, $2,000,000.

Dance studio, New York, N. Y., Dance Guild, M. Iota, in charge, $2,000,000.

Bridge, Pensacola, Fla., Johnson, Drake Piper Inc., $2,000,000.

Theatre, Cleveland, O., Cleveland Union Terminal Co., $2,000,000.

University, Fayetteville, Ark., University of Arkansas, sketches, $1,800,000.

Hotel and store, Wichita, Kan., R. Otstat, Blackwell, Okla., $1,500,000.

Apartment, New York, N. Y., S. Astor, $1,500,000.

Warehouse, Chicago, Ill., Anderson, Probst & White, archts., soon takes bids for General Electric Co., Schenectady, N. Y., $1,500,000.

Theatre, Phila., Pa., Stanley Co., of America, $1,250,000.

Sewers, Owensboro, Ky., voted $1,200,000.

Grade separation, Detroit, Mich., Wayne Co. Rd. Com., $1,200,000.

Club house, Milwaukee, Wis., Milwaukee Country Club, soon lets contract, $1,000,000.

Exhibition, Detroit, Mich., Municipal Airport, $1,000,000.

Apartment, New York, N. Y., Beaux Arts Development Corp., $1,000,000.

Grain elevator, Kansas City, Kan., Wood Bros. Corp., Kansas City, Mo., $1,000,000.

Generating station, Michigan City, Ind., Northern Indiana P. Service Co., to exceed $1,000,000.

Hotel, New York, N. Y., Beaux Arts Development Corp., $1,000,000.

Club, Glenview, Ill., Glenview Jockey Club, c/o G. J. Steinmetz, Chicago, $1,000,000.

Hosiery and textile plant, Greensboro, N. C., Mock, Judson, Voehringer Co. Inc., $1,000,000.

Plant, Massena, N. Y., Aluminum Co. of America Pittsburgh, Pa., soon takes bids, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 316.

Shops, etc., Beaumont, Tex., Kansas City Southern Ry. Co., A. N. Reese, Kansas City, Mo., ch. engr., lets contracts after Jan. 1, $1,000,000.

Bids Asked

Hospital, New York, N. Y., Italian Benevolent Institute, bids about Jan. 15, $2,000,000.

Church, apartment, New York, N. Y., E. Roth, archt., taking bids excavation and steel, for New York City Baptist Mission Society, $1,100,000.

Bids Received

High school, Woodhaven, (Ind. br. Jamaica), N. Y., W. C. Martin, archt. and supt., School Buildings, general contract from G. F. Driscoll, Brooklyn, $1,708,780.

Contracts Awarded

Cars, etc., Hamilton, Ont., Canadian Pacific R.R., Windsor Sta., Montreal, Que., to National Steel Car Co. Ltd., $5,600,000.

Irrigation, etc., Cotulla, Tex., La Salle Co. Impvt. Dist. 1, contingent contract to Trinity Farm Constr. Co., Dallas, $4,500,000.

Department store, Toronto, Ont., F. Eaton Co. Ltd., foundations to Fuller Constr. Co. of Canada and structural steel to McGregor-McIntyre Co. Ltd., est. $2,500,000, total est. $10,000,000.

Construction News of the Week

Waterworks

Proposed Work

Mich., Clio — Mains, pumping station, sewage treatment plant and sewer system. $100,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ia., Fort Dodge—Bids in March or later improving waterworks, incl. iron removal plant of 4 m.g. capacity. $175,000. C. H. Reynolds, City Hall, engr. H. N. Jenks, Ames, consult. engr.

Mo., Drexel—Preliminary plans complete waterworks, distribution system. W. B. Rollins & Co., 339 Ry. Exch. Bldg., Kansas City, engrs.

Ark., Holly Grove—Waterworks & Sewerage Impvt. Dist. 1, B. J. Lambert, chn., preliminary plans complete waterworks, sewerage system. Lund Eng. Co., Home Insurance Bldg., Little Rock, engrs.

Tex., Abilene — Improving waterworks, incl. 24,000,000,000 reservoir on Elm Creek, 12 mi. north of here, and piping to city limits. $350,000. Address W. A. Riney, city engr. Noted Nov. 29.

Bids Asked

Mass., Barre—Jan. 4, at office Metropolitan Dist. Water Supply Comn., 24 School St., Boston, furnishing 278 tons iron castings, for Ware River Intake Works of Wachusett-Coldbrook Tunnel. F. E. Winsor, ch. engr.; adv. E. N.-R. Dec. 13.

Mass., Boston — Dec. 14, by P. Wks., water pipe tunnel, laying water pipes in Congress St. $50,000 bond. Former bids rejected. J. H. Sullivan, comr. Noted Sept. 13.

N. J., Bayonne — Dec. 19, by Bd. City Comrs., City Hall, lowering existing 36 in. c.i. submarine pipe (watermains) across Hackensack River, near Lincoln Hy. Clyde Potts, 30 Church St., New York, consult. engr.; adv. E. N.-R. Dec. 13.

N. J., South Orange — Dec. 14, by Bd. Village Trustees, Village Hall, 1,580 lin.ft. 6 in. and 1,600 lin.ft. 8 in. c.i. bell and spigot, pipe and specials, 2 water storage basins, rein.-con., at pumping station. $15,000. I. T. Redfern, village engr.

Tenn., Memphis—Dec. 19, by Bd. Water Comrs., Water Dpt., 24 in. gate valve, one 24 in. and one 30 in. check valves, f.o.b. Parkway Plumbing Station. J. Sheahan, genl. supt.

Mich., Detroit—Dec. 19, by Secretary Bd. Water Comrs., Water Board Bldg., Dix Ave. Pipe Tunnel, 417 ft. 8 ft. concrete pipe, two 9 ft. shafts. $40,000. G. H Fenkell, 735 Randolph St., genl. mgr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ia., Hornick — Dec. 17, by L. C. Clary, city clk., steel tank on tower, deep well, pumps, pump house, 9,000 ft. c.i. mains, 13 hydrants, valves, boxes. W. E. Buell & Co., Grain Exch. Bldg., Sioux City, engrs.

Ont., Niagara Falls — Water Comn., A. Collins, 981 Jepson St., chn., bids about Feb. 1, 170 x 210 ft., stone pumping station, filtration plant, extending mains. $500,000. F. A. Dallyn, 71 King St. W., Toronto, engr. Noted Dec. 6.

Ont., Port Colborne — See "Contracts Awarded."

Contracts Awarded

R. I., East Providence (br. Providence)—Water drain in Bway., to F. W. Christy, 303 Chapman St., Providence. Est. $15,000.

R. I., Warwick—Town Clerk, Town Hall, c.i. mains, appurtenances, to H. W. Golden, Burdett Ave., Troy, N. Y., $215,483. Est. $200,000. Noted Dec. 6.

N. J., Jersey City and Newark—Joint Bridge Comn., Hall of Records, Newark, new water line and tank on Jackson St. Bridge, and water line on Bridge St., to American Plumbing Co., Sip Ave., Jersey City, $41,889. Noted Dec. 6.

O., Portsmouth — Bd. Control, supplimental contract covering rein.-con. found., 40 x 50 ft., on which wall will be built, also retaining wall in rear of reservoir for waterworks, to Hodge Constr. Co., Cincinnati, $118,335.

Ind., Evansville — Bd. Trustees Waterworks Dpt., 3rd and Walnut Sts., two 100,000 gal. elevated tanks, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill., $20,680, foundations, to Floyd Shoener & Co., Evansville, $3,008. Noted Nov. 15.

Ont., Port Colborne—For 1½-2 mi. 6 in. and up c.i. mains, day labor, under supervision W. Guinter, supt. $25,000.

Que., Montreal—New pumping station in McTavish St., to Atlas Constr. Co. Ltd., 37 Belmont St., $762,091. Noted Nov. 15.

Sewers

Proposed Work

N. J., Oradell—Bd. Boro Council, Boro Hall, bids latter part December or January, sewerage system in 2nd Hill Dist. $100,000. J. Hardings, Jr., 170 Bway., New York, engr. Noted Nov. 29.

See proposal advertising on page 127

Constr. News page 313

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Laid 10 miles of water main—and satisfactory in every particular!

—said a waterworks engineer of national reputation, referring to this installation

Here is the story:—

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

Lead Joints	$155,631
LEADITE Joints	142,535
Difference	$ 13,096
Saving in favor of **LEADITE**	8.4%

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

Specifications required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

NO CAULKING

Sewers (Continued)

N. J., Westfield—Town Council, Town Hall, preliminary plans storm sewer in Shadow Lawn Dr. $25,000. J. Hopkins, town engr.

N. J., Westfield — Town Council, Town Hall, preliminary plans storm sewer in Cedar Terrace, Priscilla Lane, Raymond St., Kimball and Standish Aves. $65,000. J. Hopkins, town engr.

N. C., Statesville—See "Unclassified."

Fla., Jacksonville—For 3 in. vitr brick on 4 in. lime rock paving Missouri Ave., Jefferson and State Sts. $45,000—Boulevard St., $47,000—6 in. concrete paving Standish Pl., 9 streets Ingleside and Belvedere Aves., $67,904—2 in. asphalt on 6 in. concrete paving Margaret and Myra Sts. $9,800—2 in. asphaltic concrete on 6 in. lime rock paving 4 streets $36,236—improving Beaver St. $179,538. W. E. Sheddan, city engr. Noted Sept. 20.

O., Lima—Preliminary estimates treatment works. $1,000,000 bonds defeated. H. P. Jones & Co., 1601 2nd Natl. Bank Bldg., Toledo, engrs.

Mich., Detroit—Wayne Co., plans concrete box and cylindrical sewer with concrete or vitr. sewers in D.D. 5, incl. territory in Wyandotte and Ecorse Twp., $3,220,000. G. A. Dingeman, Lawyers Bldg., comr. Drainage Comn.

Colo., Colorado Springs—See "Streets and Roads."

Calif., Richmond—Storm water sewers in various sections city. $300,000. E. A. Hoffman, city engr.

Bids Asked

N. Y., Long Island City—Dec. 19, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Baisley and Queens Blvds., Nassau, 32nd (Burnside), 97th, 109th and Jamaica Aves., Mazeau, Grand, Palmetto, 149th and 190th Sts.

N. Y., New York—Dec. 17, by J. Miller, pres. Manhattan Boro, Municipal Bldg., improving and extending outlet sewer in 151st St. between 7th Ave. and Harlem River, incl. construction storm overflow and sanitary submerged outlet to pierhead line.

N. J., Newark — Dec. 15, by Bd. City Comrs., City Hall, repairing Central Relief Sewer, 4,600 cu.yd. excav., 108 ft., rein.-con. pipe. $25,000. J. W. Costello, city engr.

N. J., Union — Dec. 17, by Twp. Com., Township Hall, 4,500 ft. 8 in. sanitary sewers in Tuexdo and Augustine Pls. $55,000. H. Kreh, Falls Bldg., twp. engr. Noted Oct. 11 and 18.

Pa., Phila.—Dec. 19, by Dpt. P. Wks., Bureau of Engineering & Surveys, A. Murdock, dir., Schedule A, branch sewers; Schedule B, main sewer in Hellerman St.; Schedule C, sewage disposal plant; Schedule D. Lycoming Street Bridge over Richmond Branch Reading Co., bridge over Cables Creek, below 65th St. and Florence Ave.

O., Apple Creek—Dec. 27, by J. E. Harper, dir. Dept. Welfare, 9th and Oak Sts., Columbus, sewers and disposal plant at Institution for Feeble Minded. Noted July 5.

Mich., Detroit—Dec. 19, by J. W. Reid, comr. P. Wks., 2,642 ft. 10 ft. to 7 ft. cylinder sewer in Southfield Sewer Sect. A; 1,247 ft. 3-barrel 18½ x 21 ft. 9 in. box in Connors Creek Outfall Sewer, Sect. A; 2,685 ft. 9 ft. to 5 ft. cylinder in Regular Ave. Arm, West of Cavalry Ave.; 2,537 ft. 5½ ft. to 2 ft. 9 in. cylinder in Paul Ave. Arm East of Southfield Sect. 2. P. A. Fellows, City Hall, engr.

Ill., Rockford—Jan. 9, by Sanitary Dist. of Rockford, 130 North 1st St., Lane Street River Crossing Sewer, South Branch Kent River, Michigan Avenue and East Side Low Level Intercepting Sewers, Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Dec. 13. Noted Oct. 18.

Neb., Wauneta—Jan. 7, by C. A. Nesmith, clk., sanitary sewer in Dist. 1, 12,200 ft. 8- to 12 in. pipe, 900 ft. 8 in. Class "C" c.i. pipe, disposal plant, 38 manholes, 5 flush tanks, 1,000 ft. 3 in. galvanized pipe. $28,972. Henningson Eng. Co., Union State Bank Bldg., Omaha, engrs. Noted Nov. 1.

Ont., Hamilton—See "Contracts Awarded."

Bids Received

Mo., St. Louis—Bd. P. Serv., City Hall, Dec. 4, 5,650 ft. 32 ft. rein.-con. horseshoe sewer in Sect. E, River Des Peres Project, from W. E. Callahan Constr. Co., Arcade Bldg., $871,272. Est. $1,035,040. Noted Nov. 15.

Contracts Awarded

R. I., East Greenwich — Sewer Comrs., sewerage system, disposal plant, to Cruise Constr. Co., 19 Dexter St., Pawtucket. Est. $250,000. Noted Nov. 29.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 55th and East 45th Sts., to F. Vaccaro, 1024 66th St., $2,526 and $1,687 respectively; East 43rd and East 55th Sts., to B. Peconi & Son, 570 18th St., $2,181 and $1,467 respectively. Grand total $7,861. Noted Dec. 13.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 95th St., to S. Guerriero Co., 1024 66th St., $901; in Newport St., to P. Tomasetti Contg. Co., 1074 60th St., $458. Noted Nov. 29.

Pa., Phila.—Dpt. P. Wks., Bureau of Eng. & Surveys, A. Murdock, dir., to Ernesto Ventres Co., 6016 Ross St., branch sewer in Coulter St. $20,619, Courtland St. $8,057; to A. DiSandro, 6400 North 5th St., Devereaux St. $25,064, 65th Ave. $19,043, main sewer in Knorr St. $28,816; to P. & A. J. Ellis, 4th and Wyoming Sts., branch sewer in Gerritt St. $6,641, 20th, Sterling and Renovo Sts. $36,028; to McCoal Constr. Co., 5033 Duffield Ave., Hasbrook Ave. $4,606; to V. Jafolla, Penna. Bldg., Juniper St. $7,774; to P. Pinciotti, 4103 Roosevelt Blvd., Knorr St. $6,936; to Sabatini Vallone Co., 2008 McKean St., Moore St. $3,919, 31st St. $12,126; to Henry W. Horst Co., 6900 State Rd., sewage disposal plant for Upper Delaware Collecting Sewer, $37,155. Grand total $216,784. Noted Nov. 15.

Mich., Detroit—Dpt. P. Wks., brick, steel, stone pumping station in Connors Creek Storm Water Pumping Station, to Lennane & McIlvenna, 7777 West Chicago Blvd., $956,448. Noted Sept. 27.

Ill., Metropolis—For 32,752 ft. 6- to 15-in. vitr. clay sewerage system, to J. R. Palmer, Danville, $35,861. Est. $53,000. Noted Oct. 11.

Mont., Miles City—For 11 mi. sewers, to O'Neil & Preston, 1369 Laurel Ave., St. Paul, Minn. $250,000. Noted Oct. 25.

Tex., Sinton—Extending 18,000 lin.ft. 12- to 30-in. sanitary sewers, to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, $33,000. Noted Nov. 3, 1927.

Ont., Hamilton—Council, concrete and vitr. tile sewer in Wood St., day labor. $71,000. Noted Nov. 8.

Waste Disposal

Proposed Work

N. J., East Paterson—Bd. Boro Council, Boro Hall, preliminary plans disposal plant. $50,000. A. Noack, 106 Sommerset St., Garfield, engr.

Ont., Forest Hill—Concrete, brick, steel refuse incinerator. $40,000. Engineer not selected.

Ont., Ottawa — City, concrete, brick, stone, steel garbage incinerator. $30,000. A. F. Macallum, City Hall, engr.

Ont., Toronto—Concrete, brick, steel incinerator, radial brick chimney, north end city. $35,000-$50,000. R. C. Harris, City Hall, engr.

Que., Montreal—See "Unclassified."

Bridges

Proposed Work

Virginia — Seaboard Air Line Ry. Co., W. D. Faucette, ch. engr., Savannah, Ga., 80 ft. span bridge over Appomattox River between Hopewell and Petersburg

Fla., Pensacola—Johnson, Drake Piper, Inc., R. G. Patterson, engr., bridge across Pensacola Bay. $2,000,000.

O., Akron — Comrs. Summit Co. soon takes bids bridge, on West Tallmade Ave. extension. $75,000. H. G. Sours, Court House, engr.

O., Toledo—City Council bridge on City Park Ave. $70,000. L. T. Owen, City Hall, engr.

Mo., St. Louis—See "Streets and Roads."

Tex., Beaumont—Jefferson Co., c/o B. B. Johnson, judge, Beaumont, soon takes bids bridge across the intra-coastal canal near Port Arthur. $300,000. M. P. Fox, Galveston, dist. engr. Noted Nov. 15.

California—O. H. Klatt, pres. American Toll Bridge Co., 525 Market St., San Francisco, surveys, etc., Richmond-San Rafael Bridge across San Pablo Strait between northern section San Francisco and San Pablo Bay. C. Derleth, Jr., University of California, Berkeley, civil and consult. engr.

Calif., Los Angeles—For 2,738 ft. bridge over Los Angeles River, on 4th St. $2,000,000. M. Butler, city bridge engr.

Calif., Sacramento—Sacramento Co. applied to War Dpt., for application to construct concrete, steel draw bridge over American River, for City and County $600,000. C. W. Deterding, Sacramento, co. engr.

Bids Asked

New Jersey—Jan. 7, by State Hy. Comn., Trenton, underpinning, repairing bridge over main branch Newton Creek, Connecting Rd., Camden extension, Camden Co. A. L. Grover, ch. clk.

Pa., Phila.—See "Sewers."

Pa., Phila.—C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., taking bids bridges, Contr. 82-1928; coal, Contr. 83-1928.

Md., Baltimore—Dec. 19, by Bd. Awards, concrete, steel bridge over Pennsylvania R.R. on Wilkens Ave. N. L. Smith, highways engr.

Virginia — Dec. 27 (extended date), by State Hy. Comn., Richmond, bridge over West Branch Elizabeth River, Project S-473-B.

Ala., Mobile—Dec. 17, by Bd. Revenue Mobile Co., E. C. Doody, clk., 180 ft. double leaf bascule bridge, 20 ft. roadway, over Bayou la Batre, Road Impvt. 10.

Ohio—Dec. 21, by H. J. Kirk, dir. Hys., Columbus, concrete bridges in Columbiana, Franklin, Marion, Pickaway, Richland, Wayne and Wood Counties. $105,747.

Illinois—Dec. 19, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield (**r.c.s.b. means rein.-con. slab bridge and r.c.g.b. rein.-con. girder bridge**), three 40 ft. span r.c.g.b. Route 59, Sect. 119-B, Lake Co.—and two 140 ft. rein.-con. substructure, Route 80, Sect. 106-B, 140 ft. steel superstructure, Sect. 106-C, Carroll Co.—18 ft. r.c.s.b. and 60 ft. r.c.g.b., Route 83, Sect. 132-B, Stark Co.—four 55 ft. span r.c.g.b. Route 89, Sect. 117-B, Bureau Co.—two 16 ft., one 20 ft. and one 30 ft. span r.c.s. bridges, four 70 ft. span substructure, four 80 ft. span steel superstructure, Route 90, Sect. 104-B, Marshall Co.—two 100 ft. and three 60 ft. span creosoted timber substructures, Route 94-A, Sect. 116-C, Henderson Co.—75 ft. steel superstructure, Route 96, Sect. 119-C, Hancock Co.—one 80 ft. r.c.s.b. and one 50 r.c.g.b., Route 97, Sect. 144-B, Fulton Co.—40 ft. r.c.g.b., 3 culverts, Route 100, Sect. 117-B, Scott Co.—three 40 ft. span r.c.g.b., two 130 ft. and one 100 ft. span rein.-con. substructures with thirteen 40 ft. steel beam approach spans, Sect. 107-B, two 40 ft. span r.c.g.b. Sect. 108-B, and two 40 ft. span r.c.g.b. Sect. 109-B, Route 108, Macoupin Co.—three 60 ft. span arch bridge, Route 113, Sect. 110-N-B, Kankakee Co.—three 20 ft. span r.c.s.b. Route 113, Sect. 111-N-B, Will Co.—two 24 ft. and one 16 ft. span r.c.s.b., two 100 ft. span rein.-con. substructure, two 30 ft. span rein.-con. girders, Sect. 114-B, two 100 ft. span steel superstructure, Route 113, Sect. 114-C, Grundy Co.—one 24 ft. and one 28 ft. span r.c.s.b., Sect. 107-B, three 24 ft. r.c.s.b., Sect. 108-B, one 50 ft. span r.c.g.b. Sect 109-B, one 40 ft span r.c.g.b. and one 24 ft. r.c.s.b. Sect. 110-B, one 16 ft. and one 24 ft. r.c.s.b., one 50 ft., one 60 ft. and two 70 ft. span rein.-con. substructures, Sect. 116-B, one 50 ft. and two 70 ft. span steel superstructure, Sect. 116-C, Routes 115 and 116, Ford Co.—two 160 ft. span rein.-con. substructure, two 40 ft. rein.-con. girder spans, Sect. 118-B, and two 160 ft. span steel superstructure, Sect. 118-C, Route 116, Iroquois Co.—one 40 ft. span r.c.g.b., Sect. 105-B, and four 40 ft. span r.c.g.b. Sect. 106-B, Route 12, Montgomery Co.—one 45 ft. span r.c.g.b., Route 140, Sect. 110-B, White Co.—one 80 ft. rein.-con. substructure, one 40 ft. rein.-con. girder approach span and two 26 ft. r.c.s.b., Sect. 111-B, 80 ft. steel superstructure, Sect. 111-C, 40 ft. r.c.g.b., Sect. 112-B, Route 140, Gallatin Co.—150 ft. creosoted timber superstructure, Sect. 132-B-1, also 4 in. creosoted plank flooring for 150 ft. bridge, Sect. 132-C-2, Route 160, Madison Co. F. T. Sheets, hy. engr.

Ia., Muscatine — Dec. 19, by Auditor Muscatine Co., 110 x 20 ft. high truss bridge, one I-beam and one slab bridge extension, 4 culverts. G. Halbfass, Muscatine, engr.

Kan., Cimarron—Dec. 27, by Clerk Gray Co., three 8 x 30 ft., and four 7 x 30 ft. multiple box span bridges, three 25 x 20 ft. span deck girder bridge, also culverts on 15.957 mi. Project 591-B, Road K-45.

Montana—Dec. 19, by State Hy. Comn., Helena, 1,073 ft. steel bridge over Missouri River in Sect. 28, T. 27 N, R. 48E and 76 ft. treated timber pile trestle over Little Wolf Creek, both on Wolf Point-Circle Rd., Roosevelt and McCone and Roosevelt Counties respectively; graveling, bridging Kalispell-Belton Rd., Flathead Co. and Miles City-Broadus Rd., Powder River Co. R. D. Rader, hy. engr.

* Constr. News page 314

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BRIXMENT

for Mortar and Stucco

Bridges—(Continued)

Texas — Dec. 18, by G. Gilchrist, state hy. engr., Austin, rein.-con. bridges Dallas Co., $39,600—timber pile bridges Port Arthur Co., $90,000—concrete drainage structures on Hy. 9, Sterling Co., $82,800—rein.-con. structures Hy. 23, Throckmorton Co., $36,000. R. S. Sterling, Austin, chn. com.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, steel, rein.-con. bridges on Hy. 32, Freestone Co., $72,000, M. B. Hodges, Teague, resident engr. R. S. Sterling, Austin, chn. Hy. Comn. This corrects report in Dec. 6 issue.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, rein.-con., steel bridges on Hy. 12, Jackson Co., $108,000, D. K. Shepard, Edna, resident engr.; grading, overpass over Texas & New Orleans Ry., on Hy. 31, Henderson Co., $25,000, S. J. Treadaway, Athens, resident engr.

Tex., San Benito—Rio Grande Del Norte Investment Co., c/o L. L. Zenor, taking bids 350 ft. suspension type bridge across Rio Grande River, about 4 mi. south of here. $80,000. Private plans.

Contracts Awarded

Mass., Reading — Town, timber bridge over Boston & Maine R.R., on Mineral St., to A. Bartington, 1 Washington St., Boston. Est. $25,000. Noted Nov. 29.

Alabama — State Bridge Corp., at office State Hy. Dpt., Montgomery, to Vincennes Bridge & Iron Co., Vincennes, Ind., steel truss span bridges in Shelby and Talladega Counties, $102,073, Monroe Co., $335,091; St. Clair and Talladega Counties, $130,521; Wilcox Co., $230,207—to Hardaway Constr. Co., Columbus, Ga., bridges in Madison and Morgan Counties, $429,628; Greene and Hale Counties, $338,095—to J. B. McCrary Eng. Co., Citizens Savings Bank Bldg., Atlanta, Ga., Choctaw and Marengo Counties, $383,188; Clarke and Washington Counties, $322,355 — to Badgette Constr. Co., New Albany, Miss., Cherokee Co., $135,422—to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo., Jackson Co., $457,914—to F. Luttjohann, 2053 Kansas St., Topeka, Kan., Greene and Sumter Counties, $177,757—to M. D. Morgan Co., Opelika, Greene and Marengo Counties, $278,133—to Peterson & Earhart, Montgomery, Greene and Sumter Counties, $444,515—to General Constr. Co., 410 Pine St., St. Louis, Mo., Marshall Co., $354,749—to Hampton, Kinnaird & Hampton, Jackson, Miss., Pickens Co., $155,531. Grand total $4,275,179. Noted Oct. 18.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., substructure South Harlem Avenue Bridge to Chicago Foundation Co., 33 South Clark St., $268,860. Noted Nov. 8.

Wisconsin and Minnesota — St. Croix Bridge Co., Grantsburg bridge over St. Croix River connecting Wisconsin Hy. 70 and Minnesota Trunk Hy. 9, to Industrial Contg. Co., 3050 4th Ave. S, Minneapolis, Minn., $100,000. Noted Dec. 6.

Ont., Toronto — Margison & Babcock, engrs., Royal Bank Bldg., general contract 835 ft. concrete and steel deck truss bridge over Don Valley Ravine on Bayview Ave., to Ontario Amiesite Co., Spadina Ave., $125,000, structural steel, to McGregor & McIntyre Ltd., 1139 Shaw St., $62,000, concrete piles, to Raymond Concrete Pile Co., New Birks Bldg., Montreal, Que. Noted Nov. 1.

Que., Quebec—City Council, Scott Bridge, to M. Tnidel & Co., St. Irenee, $53,368. Noted Nov. 22.

Railways

Proposed Work

Texas—Ft. Worth and Denver City Ry. Co., R. C. Gowdy, Denver, Colo., ch. engr., plans constructing 1½ mi. spur between Lockney and Lockney Cotton & Oil Mill plant. $40,000. Private plans.

Airports

Proposed Work

AIRPLANE HANGAR—**Cleveland, O.**—Kalsch & Hoefler, archts., 4500 Euclid Ave., soon lets contract 1 story, 100 x 120 ft. airplane hangar, brick, steel, Airport grounds, for Universal Air Lines, Inc. P. J. Kemp, pres. Noted Nov. 29.

Bids Asked

FLYING FIELD—**Wayne, Mich.**—See "Buildings—Industrial."

Contracts Awarded

AIRPLANE HANGAR—**Cleveland, O.**—U. S. Air Line Corp., J. C. Murray, pres., Terminal Tower, 1 story, 120 x 170 ft., brick, steel airplane hangar, at Cleveland Airport Grounds, to R. S. Ursprung, Berea. Est. $100,000. Noted Nov. 15 under "Unclassified."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., San Antonio—City, c/o C. M. Chambers, mayor, concrete lined flood prevention channel. $500,000. Hawley & Freese, Ft. Worth and O. N. Floyd, Dallas, engrs. Noted Aug. 30.

Bids Asked

N. Y., Long Island City—Dec. 19, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., bulkheads adjacent to abutment, north side Hook Creek Bridge; along existing bulkhead line Jamaica Bay, on Jamaica Bay, Beach 149th St. and Public (Seaside) Park.

N. J., Newark — Dec. 18, by Passaic Valley Sewerage Comn., 24 Branford Pl., dredging in front Commissioners Dock, foot Wilson Ave. $15,000. J. R. Van Duyne, 24 Branford Pl., engr.

O., Troy—Dec. 15, at office E. H. Bagford, engr. Miami Co., constructing Lloyd Williams Co. Ditch 681, in Union Twp.

Ill., Shawneetown—Dec. 21, by Commissioners Union D. D. 2, Asbury and Ridgway Twps., Gallatin Co., enlarging 5.75 mi. main ditch, 2.75 mi. lateral, H. H. Glasscock, Omaha, engr.

Minn., Mankato—Jan. 11, by C. L. Kennedy, aud. Blue Earth Co., County Ditch 75, 21,750 ft. 8- to 20-in. pipe $25,000. A. Kircher, Mankato, co. surv.

Iowa—Dec. 20, by C. Pitchforth, aud. Muscantine Co. (Muscatine), and C. L. McClurkin, aud. Carroll Co. (Carroll), 3,600 ft. diversion Michael Creek into Mississippi River, incl. 117,000 cu.yd. excav., 40,000 cu.yd. excav. in silt basin, 50 cu.yd. rein.-con. in Spillway, also bridge over channel. C. H. Young, ch. engr. Central States Eng. Co., Muscatine, engr.

Contracts Awarded

Mich., Detroit — Dpt. Parks & Blvds., Marquette Bldg., 30,000-50,000 tons man size stone for harbor line improvements, to Dunbar & Sullivan Dredging Co., 2312 Buhl Bldg., at $2.08 per ton.

Ill., Urbana — Commissioners Salt Fork D. D. Champaign Co., excavating 74,468 cu. yd., to Zimmerman & Stubblefield Constr. Co., Brodhead, Wis. Noted Nov. 22.

Tex., Cotulla—La Salle Co. Impvt. Dist. 1, c/o J. W. Wilson, pres. Bd. Directors, contingent contract irrigation system, incl. complete system canals, pumping units, 1 large dam 9 mi. north of here, and 3 smaller dams, to Trinity Farm Constr. Co., Dallas, $4,500,000. Noted Nov. 15.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., Boston, bituminous macadam paving Main and South Sts., Stoneham to end of Crystal Lake, Wakefield. $550,000. W. F. Williams, comr.

Mass., Malden (br. Boston) — Dpt. P. Wks., Boston, W. F. Williams, comr., bituminous macadam paving Bway. as continuation of Newburyport Turnpike. $162,100. Noted Feb. 9.

N. Y., Brooklyn — J. H. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Dec. 7, withdrew bids to have been opened Dec. 7, curbing, sidewalks on Johnson St., 4th and Atlantic Aves. Will readvertise. Noted Nov. 29.

N. J., Elizabeth — Bd. Pub. Wks., City Hall, preliminary plans curbing, sheet asphalt on 6 in. concrete paving Edison Ave. from Virginia to Carrington Sts. $25,000. T. Collins, city engr.

N. J., Elizabeth — Bd. P. Wks., City Hall, preliminary plans grading, curbing, sheet asphalt on 6 in. concrete paving Sheridan Ave. from Virginia to Carrington Sts. $25,000. T. Collins, city engr.

N. J., Elizabeth—Union Co., penetration macadam paving Union and Mountain Aves., $25,000. J. L. Bauer, co. engr.

N. J., Morristown — Morris Co., gravel or penetration macadam paving Main Rd. and Rockaway Green Pond Rd. $25,000. W. Hopkins, City Hall, co. engr.

N. J., Morristown—Morris Co., gravel or penetration macadam paving Ridgedale Ave. Rd., Hanover. $25,000. W. Hopkins, co. engr.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, rein.-con. paving River Rd. $50,000. R. Glenn, Town Hall, twp. engr.

N. J., Paterson—Bd. Freeholders, Passaic Co., grading, sheet asphalt concrete paving Paterson-Hamburg Turnpike. $50,000. G. Ferguson, Court House, engr.

N. J., Pompton Lakes—Bd. Council, Boro Hall, grading, concrete curbing, walks, drains Lakeside Ave. $25,000. E. N. Mellen, 419 Ramapo Ave., engr.

N. J., Scotch Plains—Twp. Com., Township Hall, grading, 8 in. line mesh rein.-con. paving Jerusalem Rd. from Mountain to Plainfield Aves. $60,000. H. Paff, Forest Rd., twp. engr.

N. J., Somerville—Bd. Freeholders Somerset Co., Court House, preliminary plans penetration macadam paving Whitney, Shultz Store House and Cedar Grove Rds. $33,750. O. Smith, Court House, co. engr.

Maryland — State Roads Comn., Baltimore, rejected bids Oct. 23, concrete paving 0.5 mi. Contr. Ce-72, Cecil Co. J. N. Mackall, chn.

N. C., Chadbourn—Paving certain streets. $28,000.

Louisiana — State Hy. Comn., Reymond Bldg., Baton Rouge, cancelled bids to have been opened Dec. 18, Lake LaFourche Bridge, Morehouse and Richland Parishes; bridge over Boeuf River, at Girard, Richland Parish. Noted Nov. 29 and Nov. 22 under "Girard" respectively.

O., Columbus — Franklin Co., grading, bituminous macadam paving 0.663 mi. Elks Drive, Fairway Drive, Glenburn Avenue, Glenburn Place, Sharon Avenue Rds., 18 ft., Sharon Twp. $28,300. C. C. Lattimer, co. surv.

Iowa—State Hy. Comn., Ames, cancelled bids to have been opened Dec. 11, paving 6.255 mi. U. S. Rd. 65, Warren Co. R. F. White, hy. comr. Noted Dec. 6.

Kan., Leoti—Wichita Co., preliminary plans grading, Bridges 1 and 2 on 18.952 mi. of Rd. K-25, 30 ft. F. Robb, Court House, engr.

Texas—Mason Co. (Mason) and Menard Co. (Menard) grading, bridging, surfacing 40 mi. hy. between Mason and Menard. $700,000. Walton & Arneson, c/o Gunter Bldg., San Antonio, engrs.

Tex., Beaumont — Jefferson Co., preliminary plans beach hy. from Pt. Arthur to Galveston Co. section. $60,000 bond election soon. Address B. B. Johnson, Beaumont, co. judge.

Tex., Burnet—Burnet Co., graveling 12½ mi. Hy. 108. $142,000. State voted $100,000 as its part in financing cost. O. B. Zimmerman, Marble Falls, co. judge.

Tex., San Antonio—Widening Main Ave. from Rodriguez St. to Romana Plaza. $75,000. I. Ewig, city engr.

Tex., San Antonio—City, c/o C. M. Chambers, mayor, rejected bids 1½ in. bitulithic on 10 in. macadam paving 17 streets. $350,000. Will readvertise. Noted Dec. 6.

Calif., San Rafael—Marin Co., asphaltic or hydrated type paving 15 mi. White Hill-point Reyes Hy. $310,000. R. Messner, San Rafael, co. surv.

Ontario — Dpt. Northern Development, Parliament Bldgs., Toronto, J. Sinton, ch. engr. graveling 30,000 cu.yd. road from Searchmount Rd. to Goulais Bay Rd. near Saulte Ste Marie, and roads in Tartentorous and Hornepayne Dists. $40,000.

Ont., London — London Suburban Area Com. bids in March, concrete paving 5 mi. Wellington Rd. $125,000. C. Talbot, County Bldgs., engr. Noted Nov. 22.

Ont., Swansea — Village Council paving, sewers, sidewalks. $109,919.

Ont., Toronto—York Twp., concrete curbing, paving and concrete sidewalks on Dewhurst and McLean Blvds., and 9 avenues. $25,000. F. B. Goedike, 40 Jarve St., engr.

Ont., Toronto—North York Twp., grading and extending Eglinton Ave. $25,000. G. Baker, Yonge St., Willowdale, engr.

Bids Asked

Massachusetts—Dec. 27, by Dpt. P. Wks., Boston, bituminous macadam paving 9,452 ft. hy. in Milford—34,552 ft. Plymouth—

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Streets and Roads (Continued)

49,774 ft. Florida, Savoy and Charlemont—23,448 ft. Grafton and Millbury. W. F. Williams, comr.

New York—Dec. 31, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading 0.5 mi. Bronx Parkway extension, from Bedford Road South, in Mount Pleasant; grading, bridging 3.5 mi. Bronx Parkway extension from Buckout's Corners to Mud Hill Rd., in Mount Pleasant and New Castle. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 13.

N. Y., Brooklyn—Dec. 18, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, resurfacing, repaving roadway areas of traffic roads on Eastern and Ocean Parkways, Prospect Park Plaza and Fort Hamilton Parkway; asphalt resurfacing Highland Blvd. between Highland Park Dr. and Bushwick Ave.

N. Y., Brooklyn—Dec. 19, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging Avenue I, Rockaway Parkway, 16th Ave.; grading, sheet asphalt on concrete paving Union and President Sts.

N. Y., Long Island City—Dec. 19, by B. M. Patten, comr. Queens Boro, Queens Subway Bldg., grading, sidewalks on Sutphin Blvd., 35th (Pierce) and Borden Aves., Prince and 165th (Puntine) Sts.—grading, sheet asphalt on concrete paving 22nd and Baltic Sts., 34th (Graham) and 90th Aves.—grading 78th St.

N. Y., New York—Dec. 20, by A. Goldman, comr. Plant & Structures, Municipal Bldg., reconstructing roadway on swing span on 145th Street Bridge over Harlem River.

N. Y., St. George — Dec. 19, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete paving Clifton Incinerator Yard, at Tompkins Ave.—Travis Ave.—bituminous macadam repaving Watchogue Blvd., Jewett, Hillside and Nicholas Aves.

N. J., South Orange—Dec. 14, by Bd. Village Trustees, Village Hall, sheet asphalt, national or warrenite bithulic on telford macadam paving 10 blocks Grove Rd. $25,000. I. T. Redfern, Village Hall, engr.

N. J., Summit—Dec. 18, by Bd. Freeholders Union Co., Elizabeth, grading, curbing, sidewalks, 8 in. rein.-con. paving 30,810 sq.yd. Springfield Ave. $150,000. J. L. Bauer, Court House, Elizabeth, co. engr. Noted Nov. 1.

Pa., Phila.—Dec. 18, by Dpt. P. Wks., Bureau of Hys., A. Murdock, dir., grading; fabricated steel floor beams for Spring Garden Street Bridge.

Md., Baltimore—Dec. 19, by Bd. Awards, City Hall, curbing, sheet asphalt on concrete paving 10,000 sq.yd. Contr. 495. N. L. Smith, City Hall, hys. engr.

Miss., Meridian—Dec. 17, by J. E. May, chn., warrenite bitulithic, sheet asphalt or sand asphalt paving 24,000 sq.yd. Poplar Spring Dr., for Lauderdale Co. J. T. Pinkston, Meridian, co. engr.

Ohio—Dec. 21, by H. J. Kirk, dir. Hys., Columbus, grading, brick, concrete, macadam paving 42.2277 mi. roads in Ashland, Ashtabula, Columbiana, Cuyahoga, Erie, Huron, Lorain, Marion, Medina, Ottawa, Pickaway, Richland, Summit, Trumbull, Wayne and Wood Counties. $3,116,400. Noted Nov. 1.

O., Akron—Dec. 21, by F. E. Swineford, dir. P. Serv., curbing, vitr. brick on 6 in. concrete paving 2,500 sq.yd. Patterson Ave., $16,500—1,600 sq.yd. Thayer St., $13,500—22,060 sq.yd. Castle Blvd. et al. $170,000—6,600 sq.yd. Elma St. and Frances Ave., $55,000—5,300 sq.yd. Chittenden St., $35,800. E. A. Kemmler, Municipal Bldg., engr.

Illinois—Dec. 19, by State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, vitr. brick, concrete or bituminous concrete with or without binder course paving 1.5 mi. Route 13, Sect. 4, Saline Co.—9.71 mi. Route 59-A, Sect. 119, Lake Co.—1.45 mi. Route 70-A, Sect. 108, La Salle Co.—8.89 mi. Route 80, Sect. 106, Carroll Co.—7.23 mi. Route 89-A, Sect. 103, Putnam and La Salle Counties—5.11 mi. Sect. 104 and 4.59 mi. Sect. 105, Route 90, Marshall Co.—9.54 mi. Route 96, Sect. 119, Hancock Co.—6.32 mi. Sect. 143, and 7.14 mi. Sect. 144, Route 97, Fulton Co.—2.64 mi. Sect. 135 and 2.65 mi. Sect. 137 Route 97-A, Henderson Co.—7.4 mi. Route 100, Sect. 117, Morgan Co.—5.25 mi. Route 108, Sect. 109, Macoupin Co.—5.25 mi. Route 113, Sect. 110-N, Kankakee and Will Counties—7.16 mi. Route 113, Sect. 111-N, Will Co.—6.74 mi. Route 113, Sect. 114, Grundy Co.—4.91 mi. Sect. 107, 4.29 mi. Sect. 108, 5.8 mi. Sect. 109, and 5.02 mi. Sect. 110, Route 115, Ford Co.—6.7 mi. Route 116, Sect. 116, Ford and Iroquois Counties—1.97 mi. Route 116, Sect. 118, Iroquois Co.—4.73 mi. Sect. 105 and 7.08 mi. Sect. 107, Route 127, Montgomery Co.—4.65 mi. Route 131, Sect. 111, Cumberland Co.—4.14 mi. Route 140, Sect. 112, Gallatin Co.—grading 0.48 mi. Route 36, Sect. 12-V-A, Piatt Co.—5.23 mi. Route 83, Sect. 132-A, Stark Co.—9.16 mi. Route 108, Sect. 107-A Macoupin and Greene Counties—2.91 mi. Route 108, Sect. 108-A, Macoupin Co.—1.97 mi. Route 127, Sect. 106-A, Montgomery Co.—5.93 mi. Route 140, Sect. 110-A, White and Gallatin Counties—7.82 mi. Route 140, Sect. 111-A, Gallatin Co.—1.75 mi. Route 89, Sect. 117-A, Bureau Co. F. T. Sheets, hy. engr.

Ill., Chicago—Dec. 19, by West Chicago Park Comrs. Garfield Park, paving, widening Augusta Blvd. between east curb line, North Kedsie and west line Elston Aves. J. D. Robertson, pres.

Ill., Chicago—Dec. 20, by City at office Bd. Local Impvts., City Hall, grading, concrete paving 4 alleys—grading, curbing, guttering, sewers, removing old. paving, widening, asphalt on concrete repaving, and asphalt on 8 in. concrete paving North Ashland Ave.—grading, curbing, guttering, sewers, crushed limestone paving Monticello Ave.—grading, curbing, guttering, sewers, removing trees, 8 in. concrete and granite block paving South Racine Ave.—grading, curbing, guttering, sewers, asphalt on 6 in concrete paving Lafayette, Ardmore, North Nagle, Mulligan, Mobile, Merrimac, Melvina, and South Washtenaw Aves., West 98th, Grenshaw, Melrose and Iowa Sts.—grading, curbing, guttering, sewers, asphalt on 8 in. concrete paving West 62nd and East 115th Sts.—grading, curbing, guttering, sewers, 8 in. concrete paving Walden Parkway, North Newcastle and North New England Sts. M. J. Faherty, pres.

Minn., Benson—Dec. 20, by City, S. A. Berg, clk., curbing, guttering, paving 20 blocks. $60,000-$80,000. E. G. Briggs, 438 Bremen Arcade, St. Paul, engr. Noted Nov. 1.

Kan., Howard — Dec. 21, by Clerk Elk Co., grading 1.246 mi. Project 11-7-K.554—0.738 mi. Project 12-30-A-K.729—0.738 mi. Project 11-6-A-730 incl. three 40 ft. span deck girder bridge—0.624 mi. Project 11-6-B-K.731, incl. 90 ft. concrete arch span bridge. C. B. Alexander, co. engr.

Kan., Oberlin—Dec. 20, by G. Nellams, clk. Decatur Co., grading 4.721 mi. Kansas Project 706, U. S. Rd. 36, 30 ft., incl. 27,450 lb. reinforcing—culverts on 6.097 mi. Kansas Project 707-A. T. H. Shannon, Court House, engr.

Montana—See "Bridges."

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, grading, bridging 67.891 mi. hys. in Leon, Throckmorton, Sterling, Dallas, Grayson, Johnson and Parker Counties. $455,400.

Texas—Dec. 18, by G. Gilchrist, state hy. engr., Austin, grading, bridging 5.094 mi. Hy. 19, Henderson Co. $57,600. S. J. Treadaway, Athens, co. engr.

Tex., Dallas — Dec. 31, by Comrs. Court Dallas Co., Road Dist. 1, constructing, improving Old Greenville Rd. from Mocking Bird Lane to Gaston Ave. Rollins & Clinger, Dallas, dist. engrs.

Okla., Seminole — Dec. 18, by P. Noe, city clk., grading, concrete paving 8,100 sq.yd. North Timmons, Walnut and College Sts. $32,461. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle — Comrs. King Co. bids about Jan. 1, concrete paving 1 mi. Des Moines-Zenith Hy. $30,000. D. Evans, Seattle, engr.

California — Dec. 19, by C. H. Purcell, state hy. engr., Sacramento, grading, concrete paving 9.8 mi. road between El Centro and Brawley, Imperial Co.; grading, asphaltic concrete surfacing 3.4 mi. road between Stony and Tecolote Creeks, Santa Barbara Co.

Calif., San Diego—Dec. 24, by Common Council, curbing, 6 in. asphaltic concrete paving 95,735 sq.ft. 36th St. H. W. Jorgensen, city engr.

Calif., San Francisco — Dec. 26, by Bd. P. Wks., grading, retaining walls, temporary paving 3,000 ft. Lagunda Honda Blvd. between Lawton St. and Plaza Ave., 40 ft. $190,000. M. M. O'Shaughnessy, city engr. Noted Oct. 25.

Contracts Awarded

Rhode Island — State Bd. P. Roads, Providence, bituminous macadam paving 7.74 mi. hy. in Scituate, and 2.74 mi. Smithfield, to Lawton Constr. Co., 250 Gallatin St., Providence, $118,832 and $58,147 respectively. Noted Nov. 22.

New York — Bd. Supervs. Westchester Co., Court House, White Plains, grading Bronx River Parkway Connection, at Kensico Dam, as County Rd. 68, and 2 stone faced bridges, at North Castle, to Barford Constr. Co., 178 Martine Ave., White Plains, $207,771. Noted Nov. 1.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, sheet asphalt on concrete paving Tompkins Pl., $8,808; Neptune St. $13,125; 123rd St. $10,205—to Carbloc Paving Corp., Varick and Stagg Sts., 9[illegible] Ave. $33,665; Filmore Ave. $27,896—Brugel Contg. Co., Inc., 427 Weirfield S[illegible] grading 75th St. $6,209—to C. Kurth, 95[illegible] 126th St., Richmond Hill, Sutphin Blvd $8,633; 155th St. $9,430. Grand total $11[illegible] 971. Noted Nov. 29.

Alabama—State Hy. Comn., Montgomery, sand clay surfacing 33 mi. hy. in Geneva and Covington Counties, to H. Foster, Luverne, $33,139; 12 mi. Dale and Barbour Counties, to E. P. Toulmin, Mobile, $11,350. Noted Nov. 1.

Tenn., Bolivar—Hardeman Co., hardsurfacing 47 mi. roads, to Nixon & Phillips, Lincoln Life Bldg., Birmingham, Ala. bridges and levees, to Midland Constr. Co., Clarksdale, Miss.; drain pipe, to Tri-State Culvert Co., 491 South 2nd St., Memphis; gravel, to Memphis Stone & Gravel Co., Exch. Bldg., Memphis. Est. $500,000.

O., Garfield Heights (br. Cleveland) — Village, 3 in. brick paving Willard Ave., to Thorpe Constr. Co., Hippodrome Bldg., Cleveland, $32,464; 2.5 in. brick paving Havana Rd. and East 114th St., to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $11,688 and $19,534 respectively. Grand total $63,686. Noted Nov. 8.

Michigan—R. A. Beers, resident engr., Kalamazoo, concrete paving 1.955 mi. MC8-18, C-3, Barry Co., 20 ft., to Northern Constr. Co., Benton Harbor, for State Hy. Dpt., Lansing. $61,582. Noted Sept. 27.

Michigan—Ot Office City Clerk, Saginaw, concrete paving 2.748 mi. MO73-6, C-1, 20 ft., Saginaw Co., to T. McNally, Saginew, for State Hy. Dpt., Lansing. $110,527. Noted Sept. 27.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., improving Gruber Ave., to J. C. Bluhm & Son, 1299 Achilles Ave. $24,692—East Wisconsin and Fond du Lac Aves., to Badger Constr. Co., 97 East Wisconsin Ave., $38,426 and $54,367 respectively—Greenfield Ave., to White Constr. Co., 68 East Wisconsin Ave., $56,957. Grand total $174,442.

Ia., Decorah—Winneshiek Co., to Jenner Bros., Davenport, grading 4.25 mi. roads, 34,773 cu.yd. excav. at $0.23, $0.26 and $0.38 per cu.yd., 10,122 cu.yd. loose rock $0.38 and $0.50, 1,440 cu.yd. solid rock $1.30, 11,917 sta.yd. overhaul $0.02, replacing 32 entrance culverts $4 each. Noted Nov. 1.

Ia., Rock Rapids — Lyon Co., to C. W. McNamara, Sioux Falls, S. Dak, grading roads, 124,123 cu.yd. earth excav. at $0.1775 and $0.1725 per cu.yd., 127,820 sta.yd. overhaul $0.02, 1,222 ft. culvert labor at $0.20, $0.25 and $0.30, clearing and grubbing $875.

Tex., Crystal City—See "Unclassified."

Tex., Houston — Asphalt paving 8,700 sq.yd. Almeda Rd., to S. Shambaugh, 1401 Dowling St., $28,589. Est. $30,000.

Tex., Houston—Rock asphalt paving 25,000 sq.yd. Airline Dr., to Uvalde Rock Asphalt Co., 820 Dowling St. $74,579. Est. $100,000. Noted Nov. 22.

Tex., Pharr — Hidalgo Co., concrete paving 30 mi. Rd. Impvt. Dist. 8, to W. L. Pearson & Co., Nixon Bldg., Corpus Christi, $854,152. Est. $900,000. Noted Aug. 2.

Public Bond Elections

Coming Bond Elections

Waterworks — Hebron, Neb., Dec. 17, $30,000.
Sewers—DeKalb, Ill., Dec. 17, $60,000.
Drainage—Dos Palos, Calif., $97,500.
Roads—Napoleon, O., Dec. 14, $438,000.
Roads—Floydada, Tex., Floyd Co., Dec. 18, $400,000.
Roads—Wellington, Tex., Collingsworth Co., Dec. 15, $400,000.
Roads — Quebec, Que., election soon, $2,217,343
School—Revere, Mass., $150,000.
School—St. Cloud, Minn., $275,000.

Bonds Voted

Waterworks—Cushing, Okla., $24,000.
Waterworks—Davison, Okla., $23,000.
Sewers—Owensboro, Ky., $1,200,000.
Sewers—Davidson, Ky., $25,000.
Sewers—Muskegee, Okla., $100,000.
Airport—Muskegee, Okla., $195,000.
Roads — Galveston, Tex., Galveston Co., $700,000.
Roads—Robert Lee, Tex., Coke Co., $100,000.
Roads—Camden, Ark., $98,000.

Bonds Defeated

Sewers—Tuttle, Okla., $33,000.
Airport—McAlester, Okla., $50,000.
Roads—Henrietta, Tex., Clay Co., $38,000.
Roads — Lubbock, Tex., Lubbock Co., $2,000,000.

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Buildings—Industrial

Proposed Work

Mass., Lawrence — PLANT — Eagle Tribune, 291 Essex St., reconstructing plant, Essex St., recently damaged by fire. $400,000-$500,000. Engineer and architect not selected.

R. I., Pawtucket—ICE PLANT—Pawtucket Ice Co., H. L. Russell, 126 Main St., sketches by Monahan & Meikle, 255 Main St., artificial ice plant. $40,000-$50,000.

Conn., Bridgeport — FACTORY — Crane Co., J. H. Collier, mgr., 1 story, 125 x 500 ft. plant. To exceed $150,000. Private plans.

Conn., Bridgeport—PLANT—Bridgeport Brass Co., c/o W. R. Webster, East Main St., brass rolling mill unit. To exceed $40,000. Engineer and architect not selected.

N. Y., Brooklyn—FACTORY—National Lead Co., E. J. Cornish, pres., 111 Bway., New York, soon lets contract 1 story, 122 x 172 ft., brick, Marshall and Gold Sts. $225,000. W. Higginson, 101 Park Ave., New York, archt. Noted Nov. 1.

N. Y., Brooklyn—FACTORY and STORAGE — B. Kugler, 1953 Ocean Parkway, plans by E. M. Ahdelsohn, 26 Court St., 1 story, 104 x 150 ft., brick, Havermeyer Ave. and 1st St. $40,000.

N. Y., Brooklyn — FACTORY — Eleanor Realty Corp., J. Rubin, pres., plans by G. Erda, 826 Manhattan Ave., 85 x 100 ft. addition, Banker St. and Meserole Ave. $45,000.

N. Y., Brooklyn—SERVICE GARAGE—Braunweiss Realty Corp., 435 Beach 36th St., Edgemere, plans by H. J. Nurick, 44 Court St., 120 x 164 ft., brick, East 98th St. and Kings Highway. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—S. Bier, 980 49th St., plans by C. Goodman, 375 Fulton St., 1 story, 100 x 200 ft., brick, concrete, plain found., Fulton St. and Hopkinson Ave. $50,000.

N. Y., Brooklyn—SERVICE GARAGE—Para Realty Corp., L. Raichelson, pres., plans by H. J. Nurick, 44 Court St., 1 story, 100 x 100 ft., brick, Glenmore Ave. and Barbey St. $40,000.

N. Y., Brooklyn—SERVICE GARAGE—Polblum Corp., I. Polwnick, pres., 26 Court St., plans by E. M. Adelsohn, 26 Court St., 1 story, 90 x 107 ft., brick, concrete, Dean St. and Troy Ave.

N. Y., Brooklyn—SHOP and GARAGE—A. D. Denis, 551 Sea Beach Rd., plans by A. Goldberg, 164 Montague St., 2 story, basement shop and garage, 551 Sea Beach Rd. $40,000.

N. Y., Brooklyn—SHOP and SERVICE—S. G. Tilden, Inc., 3036 Northern Blvd., Long Island City, plans by A. Goldberg, 164 Montague St., altering shop and service building, 1026 Atlantic Ave. $40,000.

N. Y., Massena—PLANT—Aluminum Co. of America, Cliver Bldg., Pittsburgh, Pa., soon takes bids plant. $1,000,000. Private plans.

N. Y., New York—MANUFACTURING LOFTS—Varick Holding Corp., S. Rosenblatt, pres., 565 5th Ave., plans by C. Whinston, 2 Columbus Circle, 16 story, 75 x 201 ft., brick, steel, 172 Varick St. $675,000.

N. Y., New York—PRINTING PLANT—Hayar Realty Co., 61 Bway., plans by C. S. Birge, 29 West 34th St., 2 story printing shop, 318 East 39th St. $50,000.

N. Y., New York—SERVICE GARAGE—A. Duffy, 239 East 239th St., plans by J. P. Boyland, 305 East Kingsbridge Rd., 2 story, 100 x 178 ft., brick, concrete, White Plains Ave. and Astor Pl. $40,000.

N. Y., New York—SERVICE STATION—Efkay Holding Corp., L. Joseph, pres., 1431 Bway., plans by Glick & Duma, 400 East Fordham Rd., 1 story, 36 x 41 ft., brick, concrete, Westchester and Wilkinson Aves. $50,000.

N. Y., New York—SERVICE GARAGE—Golram Realty Co., E. Moran, pres., 135 Bway., plans by W. F. Doyle, 11 John St., 94 x 175 ft., brick, concrete, 184th St. and Granite Pl. $50,000.

N. Y., New York—SERVICE GARAGE—Goodname Realty Corp., J. D. Goodman, pres., 67 West 125th St., plans by H. Blumberg, 25 West 43rd St., 100 x 164 ft., brick, concrete, Sedgewick Ave. and 189th St. $75,000.

N. Y., New York—SERVICE GARAGE—M. Sender, 1830 Vineyard Pl., plans by H. M. Sushan, 367 Fulton St., Brooklyn, 3 story, 65 x 115 ft., brick, concrete, 176th St. and Vineyard Pl. $40,000.

N. Y., Yonkers—SERVICE GARAGE—P. Wattenberg, 391 East 149th St., New York, plans by W. P. Katz, 45 South Bway., service garage, Riverdale Rd. To exceed $40,000.

N. J., Fairview — BAKERY — Dugan Bros. Inc., 161 Abington Ave., Newark, 2 story, 125 x 153 ft. brick, steel, plain found., bakery plant 6th St. between Kamena & Murray Sts. $100,000. Private plans.

N. J., Haskell—FACTORY—Transogram Co., Inc., Haskell and 215 4th Ave., New York, rejected bids 1 story, 90 x 400 ft., brick, steel, rein.-con., plain found. $100,000. M. Thompson, 191 Joralemon St., Brooklyn, N. Y., engr. and archt. Project in abeyance.

N. J., Jersey City — PASTUERIZING PLANT — Peek Products Co., Monmouth St., revised plans by C. H. Ziegler, 75 Montgomery St., 2 story, basement, 80 x 180 ft., brick, steel, plain found., Monmouth St. $100,000. Noted July 5.

N. J., Paterson—SERVICE STATION—Letz & Katz, 617 Broadway, plans by J Holt, 132 Market St., 1 story, 100 x 400 ft., brick, steel, plain found., 35th and Market Sts. Coleman & Haloren, (Dodge Agency) c/o owner, lessee. Engineer and Architect not selected.

Md., Cumberland — PLANT and TURBINE HOUSE—See "Bids Asked."

Va., Hopewell — PLANT — Atmospheric Nitrogen Co., Solvay, Syracuse, N. Y., and subsidiary Allied Chemical & Dye Corp., 61 Bway., New York, expending $35,000,000 (2nd unit) nitrogen plant.

N. C., Greensboro—HOSIERY and TEXTILE PLANT — Mock, Judson, Voehringer Co., Inc., J. K. Voehringer, Jr., pres., Greensboro, 40,000 sq.ft. addition to plant near Spring Garden. $1,000,000 incl. equipment.

Ala., Birmingham — MANUFACTURING PLANT—Lamson & Sessions Bolt Co., 2188 Scranton Rd., Cleveland, O., purchased 8½ acre site in North Birmingham and plans plant to manufacture bolts, nuts, rivets and cotter pins. $500,000-$700,000.

O., Cleveland — STAMPING PLANT — Murray Ohio Mfg. Co., C. W. Hannon, pres., 1115 East 152nd St., plans by G. S. Rider Co., Century Bldg., 2 story, basement, 64 x 239 ft., brick, addition, East 152nd St. $150,000.

O., Cleveland—SHOP—The Gluntz Brass Foundry Co., D. J. Gluntz, pres., 3001 East 55th St., plans by J. H. O'Grady, 2251 Goodnor Rd., 1 story, brick, steel, machine shop Miles Ave., near East 108th St. $40,000.

O., Elyria — PLANT — Cleveland Automatic Machine Co., 2269 East 65th St., Cleveland, plant addition. $250,000. Private plans.

Ind., Michigan City — GENERATING STATION—Northern Indiana P. Serv. Co., 649 Hohman St., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., several units electric generating station, Lake Front. To exceed $1,000,000. Sargent & Lundy, 72 West Adams St., Chicago, Ill., engrs.

Mich., Detroit—PRODUCE TERMINAL—Detroit Union Produce Terminal Co., F. Isbey, chn., 142 12th St., 1 and 2 story, rein.-con., brick, steel, plain found., incl. concrete loading docks, yards, tracks, Fort St. and Green Ave. $5,000,000.

Mont., Butte — SERVICE GARAGE — Butte Motor Truck Co., 120 South Montana St., 1 story service garage. $50,000.

Mo., St. Louis—FACTORY—Condron & Post, archts., 53 West Jackson Blvd., Chicago, Ill., soon take bids 1 story, 120 x 380 ft., steel, brick transformer building; 5 story, 80 x 120 ft., rein.-con., brick office and manufacturing building, incl. 3 crane runways, using 30-ton, 5-ton and 2-ton traveling cranes, for Wagner Electric Corp., 6400 Plymouth St. Noted Nov. 1.

Texas — CANNING PLANTS — Riona Sales Co. A. M. Russ, vice pres., Milam Bldg., San Antonio, plan 6 canning plants along Rio Grande Border $100,000 each (incl. machinery). Private plans.

Tex., Beaumont — SHOPS, etc. — Kansas City Southern Ry. Co., A. N. Reece, ch. engr., Kansas City, Mo., lets contract after Jan. 1, shop facilities, switching yard, warehouse, etc. $1,000,000. Private plans. Some of work to be done by own forces. Noted Oct. 11.

Tex., Los Fresnos — CANNING FACTORY—Los Fresnos Packing Co., c/o A. H. Fernandez, Brownsville, soon lets contract 1 story, brick, rein.-con. canning factory. Private plans.

Tex., Odessa — POTASH REFINERY PLANT, etc.—American Potash Co., Dallas, and Odessa, c/o Chamber of Commerce, 2,000 raw product daily capacity plant near here; mining project, incl. 18 ft. shaft, concrete lined to depth of 2,000 ft., at bottom of shaft laterals will be run to various stratas of potash; complete mining equipment and machinery, all in Ector Co. near here. Private plans.

Bids Asked

Me., Biddeford—SERVICE and REPAIR GARAGE—W. F. Mahoney, 62 Alfred St., taking bids 1 story, 60 x 150 ft., brick, steel, plain found., Elm and River Sts. $60,000. A. R. Farington, 178 Dartmouth St., Portland, archt.

Mass., East Walpole—PLANT—Bird & Son Inc., Washington St., taking bids altering and constructing 1 story, structural steel, brick, addition, plain found., Washington St. $40,000. Private plans.

Mass., Medford—SERVICE and REPAIR GARAGE—See "Contracts Awarded."

Mass., Worcester—REPAIR and SERVICE GARAGE, FILLING STATION—D. F. Daley, 521 Pleasant St., taking bids 1 story, 100 x 100 ft., concrete, steel, plain found., 24 Madison Ave. $40,000 or more. G. C. Halcott, 32 Franklin St., archt. Noted Dec. 6.

Conn., New Haven — PLANT — R. W. Foote, archt., 185 Church St., taking bids 2 story, basement, 100 x 300 ft. office, and 1 story, basement, 140 x 260 ft. printing plant, brick, steel, rein.-con., plain founds., Milford Turnpike, for W. H. Lee Co., 246 Meadow St. $350,000.

N. Y., Yonkers—SERVICE GARAGE—See "Contracts Awarded."

N. J., Elizabeth—FACTORY—Owner, c/o J. Anderson, archt., 251 North Broad St., bids about Jan. 15, 2 story, basement, 60 x 150 ft., brick, steel, plain found., Loomis St. and 3rd Ave. $40,000. Noted Nov. 15.

N. J., Washington — PORCELAIN PLANT — Washington Porcelain Co. taking bids 2 story, 35 x 132 ft., brick, rein.-con. plant. $50,000. Mylchreest & Reynolds, 238 Palm St., Hartford, Conn., engrs. and archts.

Pa., Ambridge—PLANT—Spang Chalfont Co., taking bids 1 story, 240 x 800 ft., brick, steel addition. $250,000. Private plans.

Md., Baltimore — POWER HOUSE — Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., taking bids brick power house, plain found., for St. Mary's College. $40,000 or more.

Md., Cumberland—LABORATORY—Dec 17, by Celenese Corp. of America, 2 story, basement, 88 x 145 ft., rein.-con., brick, plain found. F. T. Small, c/o owner, engr.

La., Baton Rouge—CREAMERY—Dec. 20, by Wogan & Bernard, archts., Canal Bank Bldg., New Orleans, 2 story, brick creamery, for Louisiana State University. $40,000. Noted Oct. 4.

O., Apple Creek—POWER HOUSE—Dec. 27, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 79 x 109 ft., steel power house, $57,900; 2,800 ft. 6 x 6 ft. rein.-con. tunnel for carrying steam and water pipes, $115,000; equipment for power house, $30,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt. Noted July 5.

Mich., Wayne—FACTORY—F. J. Winter, archt., 2112 Book Tower Bldg., Detroit, taking bids and open same about Dec. 18, 1 and 2 story, 200 x 400 ft., concrete, brick, steel, plain found., incl. flying field, for Stinson Aircraft Corp., Northville, $250,000.

Tex., San Antonio — GARMENT FACTORY—Basila Frock Co., 503 West Commerce St., and W. E. Simpson & Co., Natl. Bank of Commerce Bldg., bids about Dec. 24, 2 story, 70 x 140 ft., brick, rein.-con., plain found., Zarzamora St. near Lakeview St. $75,000 incl. equipment. Phelps & DeWees, 718 Gunter Bldg., archts. Noted Nov. 22.

Calif., Wilmington — WAREHOUSE — A. C. Martin, archt., Higgins Bldg., Los Angeles, taking bids 1 story, 50 x 800 ft., with 100 x 100 ft. extension (steel rolling doors), for Pacific Coast Borax Co., Wilmington. $100,000.

Ont., Toronto—PLANT—See "Contracts Awarded."

Contracts Awarded

N. H., Manchester—SERVICE and REPAIR GARAGE—Perreault & Labonte, Elm St., 2 story, concrete and steel, plain found., Elm St. $40,000 or more. Separate contracts. C. R. Whitcher, 814 Elm St., archt. Noted Nov. 15.

Mass., Brockton—ICE MANUFACTURING PLANT—Brockton Ice & Coal Co., 426 Main St., 1 story, 80 x 150 ft., brick, concrete found., Lawrence St. $75,000. Owner builds by separate contracts. Former contract rescinded. Noted May 24.

Mass., Brockton — SUB-POWER STATION—Brockton Edison Electric Co., A. F. Nelson, mgr., Main St., 1 story, rein.-con., plain found., to Powers Bros., 161 Montello St. Est. $75,000. Noted Feb. 16.

Mass., Franklin—MIXER and PICKER PLANT—H. T. Hayward Co., Union St., 1 story, 55 x 140 ft., brick, steel addition.

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Buildings—Industrial (Continued)

plain found., to O. D. Purington Co., Industrial Trust Bldg., Providence, R. I. Noted Nov. 22.

Mass., Lowell — PLANT — Merrimack Mfg. Co., Dutton St., 1 story, brick weave shed addition plain found., to R. E. Runels Constr. Co., 45 Merrimack St. $50,000. Noted Dec. 6.

Mass., Lynn—SERVICE and REPAIR GARAGE—Gallant Motor Co., 319 Essex St., 1 story, 45 x 105 ft., rein.-con., plain found., to Valeri Constr. Co., 17 Shawnee Rd., Arlington. $50,000. Noted Nov. 1.

Mass., Medford—SERVICE and REPAIR GARAGE and SALES—Noyes-Buick Sales Co., 857 Commonwealth Ave., Boston, 1 story, 12,000 sq.ft. floor space, brick, steel, concrete, plain found., Swain St. Separate contracts. $50,000. Private plans.

Mass., Quincy (Ind. br. Boston) — POWER SUB-STATION — Quincy Electric Light & Power Co., brick, steel, concrete power sub-station, Town River Bay, to N. E. Power & Constr. Co., 89 Broad St., Boston. Est. exceeds $40,000.

Mass., Sheffield—SERVICE and REPAIR —Town, c/o D. N. Smith, chn. building com., rein.-con., steel public service and repair garage, plain found., Main St., to Graves & Hemmes, 105 Main St., Great Barrington. Est. $50,000.

R. I., Providence—JEWELRY FACTORY —Uncas Mfg. Co., 85 Sprague St., altering and constructing 2 story, brick addition, plain found., to Bowerman Bros., 70 Bath St. $40,000 or more. Former contract rescinded. Noted Nov. 15.

Conn., Hartford — BROADCASTING STATION — Travelers Insurance Co., W.T.I.C., Grove St., 2 story, basement, 50 x 75 ft., brick, steel, rein.-con., 50,000 watt station, to Marc Eidlitz & Son, 41 East 42nd St., New York. Est. exceed $150,000. Noted Dec. 6.

Conn., Stamford—SERVICE GARAGE—Redman Chevrolet Co., Inc., Mill River St., altering and constructing 2 story, 50 x 100 ft., brick, steel, rein.-con., plain found., to Genovese & Rich, Washington Bldg. Est. $50,000. Noted Oct. 18.

Conn., Stratford — FACTORY—Sikorsky Aircraft Corp., Garden City, L. I., H. O. King, Bridgeport, brick, steel airplane factory, to W. J. Shaughnessy, Jr., Inc., 119 Fairfield Ave., Bridgeport. Est. $400,000.

N. Y., East Buffalo (Buffalo P. O.)—REPAIR SHOP, etc.—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York, 2 story, 97 x 267 ft. coach repair shop, concrete platform, storeroom and trackwork, at East Buffalo Yards, to F. T. Hanssel, Ellicott Sq., Buffalo. Est. $250,000. Noted Oct. 25.

N. Y., Yonkers—SERVICE GARAGE—Fanley Realty Corp., 2508 Bathgate Ave., New York, service garage, separate contracts. $50,000. W. P. Katz, 45 South Bway., archt.

D. C., Wash.—POWER HOUSE—District Comrs., District Bldg., remodeling power plant at Gallinger Hospital, to D. W. Chapman Heating & Plumbing Co., Walter Reed Hospital. $45,970. Noted Nov. 15.

Va., West Point — PAPER PLANT — Albemarle-Chesapeake Co., H. W. Ellerson, pres., 1216 Confederate Ave., Richmond, paper pulp manufacturing plant, to J. T. Wilson Co., Inc., Mutual Bldg., Richmond. Est. $175,000.

O., Akron—ICE PLANT—Burkhardt Consolidated Co., 1 story, 144 x 166 ft., brick, steel, to Higley Constr. Co., 714 North Main St. Est. $200,000.

O., Cleveland — FACTORY — Cleveland Knife & Forge Co., 1960 West 114th St., 1 story, 28 x 126 ft., brick, steel addition, 1960 West 114th St., to R. Black, 2222 Coventry Rd., Cleveland Heights. Est. $40,000.

O., Cleveland—FACTORY—Jordon Motor Co., E. S. Jordon, pres., 1070 East 152nd St., 1 story, 40 x 100 ft., brick, steel, 1070 East 152nd St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $40,000.

O., Cleveland—SHOP—J. Dluzynski, 6886 Bway., 1 story, 70 x 90 ft., brick, steel, to Wanda Constr. Co., 6964 Bway. Est. $40,000.

O., Toledo—BAKERY—F. C. Hoehler, Service Bldg., 2 and 3 story, basement, 143 x 143 ft., rein.-con., brick, plain found., Wolcott Blvd., to J. H. Berkebile, Whittier St. Est. exceeds $200,000.

Ventilation, etc.

O., Toledo—SPEED BOAT FACTORY—Dart Boat Co., Toledo or Lima, 1 story, part basement, 60 x 300 ft., brick, steel, plain found., Summit St., to Manmann Co., 912 Summit St. $50,000.

Mich., Detroit — CARBURETOR FACTORY — Zenith Detroit Corp., Hart Ave., 2 story, basement, 62 x 118 ft., rein.-con., brick, steel, plain found., to F. N. Cooper, 6370 Gratiot Ave. Est. $50,000. Noted Dec. 6.

Mich., Detroit—PIPE SHOP and WAREHOUSE—Crane Co., 150 Randolph St., Detroit, and 836 South Michigan Bldg., Chicago, Ill., 1 story, 100 x 140 ft., rein.-con., brick, steel, plain found., Livernois Ave., to W. S. Pocock Co., 1726 Seward Ave. Est. $50,000.

Mich., Detroit—PIPE SHOP and WAREHOUSE—Crane Co., 150 Randolph St., Detroit, and 836 South Michigan Blvd., Chicago, Ill., 1 story, 50 x 230 ft., brick, steel, plain found., St. Jean Ave., to Cooper-Little Co., 844 Macabees Bldg. Est. $50,000.

Mich., Detroit — FACTORY — Federal Mongul Corp., 11031 Shoemaker Ave., 1 story, 120 x 180 ft., brick, steel, plain found., to Austin Co., Genl. Motors Bldg. Est. $53,000. Noted Nov. 8.

Ill., Chicago — FACTORY — Puckey & Jenkins, archts., 400 North Michigan Ave., 2505-23 North Karlov Ave., masonry and carpentry contract 1 story, brick addition, to J. Haigh & Son, 140 South Dearborn St., for Illinois Tool Wks., 2501 Keeler Ave. Est. $40,000.

Ill., Chicago—FACTORY—Pyrolin Products, Inc., 1800 West 74th Pl., 2 story, basement, 40 x 115 ft., to Poriot Constr. Co., 38 South Dearborn St. Noted Nov. 8.

Ill., Mt. Vernon—FACTORY—J. P. Devine Mfg. Co., 1732 Clinton St., Buffalo, N. Y., brick, steel, day labor. $600,000. Private plans. Noted Nov. 22.

Ill., Rock Island—PLANT—International Harvester Co., 606 South Michigan Ave., Chicago, W. D. Price, supt. construction, general contract 1 or 2 story, brick, steel, addition, to Priester Constr. Co., Kahn Bldg., Davenport, Ia., Est. $800,000.

Mont., Whitefish — ROUNDHOUSE — Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., roundhouse addition and lengthen turntable. $75,000. Owner builds.

Ark., Little Rock — COLD STORAGE PLANT—Arkansas Cold Storage Co., C. E. Rose, pres. and genl. mgr., 6 story, rein.-con., brick top addition incl. 40 tons ice making machinery to Dickerson & Veasey, Little Rock. Est. $200,000. Noted Dec. 6.

Ont., Hamilton — BAKERY — Hamilton Bakeries, Ltd., 24 Sanford Ave. N., general contract 2 story, basement, 71 x 152 ft., concrete, brick, steel addition, to C. W. McKim, 63 Carrick Ave.; structural steel, to Hamilton Bridge Wks. Co., Bay St. N. Est. $100,000.

Ont., Toronto — PAPERBOARD PLANT — Hinde & Dauche Paper Co., 45 Hanna St., general contract 4 story, basement, 150 x 400 ft. addition, to H. N. Dancy & Son, Ltd., 22 College St.; excavation, to Lioni & Co., 1411 Dufferin St.; concrete, to Castle Constr. Co., 507 Dupont St.; carpentry, to J. D. Young & Apperley, 428 Ossington Ave.; plumbing, to Bennett & Wright, 72 Queen St. E.; steel sash, to Canadian Metal Window & Steel Products Co., 160 River St. Est. $300,000. Noted Aug. 30.

Ont., Toronto—PLANT—Riley Eng. & Supply Co., 360 Dufferin St., excavation for 1 story, basement, 32 x 65 ft., and 1 story, 92 x 175 ft., concrete, brick, steel, to T. Shenton, 391 Keele St.; balance of work, day labor. Est. $100,000. Noted Dec. 6.

Buildings—Commercial

Proposed Work

N. H., Manchester—THEATRE—Strand Theatre, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, Mass., altering 1 story, basement, brick, steel, plain found., Hanover St. $150,000.

Mass., Boston—STORE and OFFICE—F. W. Woolworth Co., Park Sq., soon takes bids 4 story, basement, brick, steel, plain found., 488-94 Washington St. To exceed $150,000. Densmore, LeClear & Robbins, Park Sq. Bldg., archts.

Mass., Boston—THEATRE—Fox Films, 850 10th Ave., New York, theatre. $5,000,000. Engineer and architect not selected.

Mass., Fall River — DEEDS — Bristol County Court, County Comm. Rock St., registry of deeds building. To exceed $150,000. Engineer and architect not selected.

Mass., New Bedford—COURTHOUSE—Comrs. Bristol Co., J. I. Bryant, Court House, Taunton, altering and constructing addition to courthouse, 6th St. $150,000 or more. Engineer and architect not selected.

Mass., Springfield — THEATRE — Winchester Square Assn., Inc., c/o L. J. Thompson, archt., 521 Corbin Ave., New Britain, brick theatre, State St. $150,000.

R. I., Providence—STORES, APARTMENT and GARAGES—M. J. Kechijan, c/o H. B. Summer, archt., 352 Adelaide Ave., 1, 2 and 3 story, basement, irregular size, brick, concrete, plain founds. $150,000.

N. Y., Brooklyn—APARTMENT—Asen Lecenson Realty Corp., 574 Bway., plans by Malkind & Weinstein, 93 Court St., 4 story, 83 x 89 ft., brick, timber, Fulton St. and Vermont St. $200,000.

N. Y., Brooklyn—APARTMENT—Corporation, c/o L. H. Pink, 66 Court St., plans by A. J. Thomas, 2 West 46th St., New York, 5 story, brick, timber, 4th Ave., 23rd and 24th Sts. $400,000.

N. Y., Brooklyn — APARTMENT — Corporation, c/o T. Exarhakis, 5005 Beverly Rd., plans by Cohn Bros., 361 Stone Ave., 6 story, 97 x 200 ft., brick, timber, Rockaway Parkway and Church Ave. $485,000.

N. Y., Brooklyn — APARTMENT — I. Halperin, 26 Court St., plans by Cohn Bros., 361 Stone Ave., 4 story, 100 x 172 ft., brick, timber, East 52nd and Winthrop Sts. $200,000.

N. Y., Brooklyn—APARTMENT—Herzel Street Co., Inc., A. Shrieber, pres., plans by Seelig & Finkelstein, 66 Story St., 4 story, 88 x 162 ft., brick, timber, Herzel St. and Lott Ave. $250,000.

N. Y., Brooklyn—APARTMENT—T. H. Jones, 354 87th St., plans by H. G. Harrington, 311 100th St., 6 story, 96 x 100 ft., brick, timber, 91st St. W. and 4th Ave. $155,000.

N. Y., Brooklyn — APARTMENT — J. Levine, 32 Court St., plans by Prober & Blaufeux, 66 Court St., 6 story, 142 x 170 ft., brick, timber, Ovington Ave. and East 3rd St. $400,000.

N. Y., Brooklyn—APARTMENT—Murray Allen Realty Corp., R. Danzilo, pres., 50 Court St., plans by S. L. Malkind, 93 Court St., 6 story, 87 x 112 ft., brick, timber, West 7th St. and Avenue O. $232,000.

N. Y., New York—APARTMENT—Piro Realty Corp.; G. Pizzaro, pres., 791 Allerton Ave., 6 story apartment, Cruger and Burke Aves. $180,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts. Noted Nov. 29.

N. Y., Brooklyn—APARTMENT—Rubin Rockoff, 945 East 10th St., plans by Seelig & Finkelstein, 66 Court St., 110 x 150 ft., brick, timber, Ocean Ave. and Avenue Y. $400,000.

N. Y., Brooklyn — APARTMENT — L. Schloss, 29 East 7th St., plans by E. M. Ahdelsohn, 26 Court St., 6 story, 105 x 200 ft., brick, timber, Dahill Rd. and Tehama St. $500,000.

N. Y., Brooklyn—APARTMENT—Euroc Realty Corp., B. Corn, pres., 1986 Bway., plans by Prober & Blaupux, 66 Court St., 100 x 140 ft., brick, timber, 85th St. and 19th Ave. $300,000.

N. Y., Brooklyn — DEPARTMENT STORE—A. I. Namm & Son plans by Kohn & Butler, 56 West 45th St., New York, altering 9 story, brick, steel, Fulton and Hoyt Sts. $150,000. Noted July 5.

N. Y., Brooklyn — LABORATORIES — United Israel Zion Hospital, 4810 10th Ave., plans by B. W. Dorfman, 66 Court St., 2 story, 71 x 100 ft., brick, 48th St. and 10th Ave. $200,000.

N. Y., Brooklyn — STORE and APARTMENT — D. Drossmin, 136 Vermont St., plans by J. J. Millman, 26 Court St., 4 story, 90 x 100 ft., brick, timber, Clarkson Ave. and East 91st St. $150,000.

N. Y., East Norwich—CLUB HOUSE—C. F. McCann, lets contract in January, club house, tennis courts, Oyster Bay and Syosett Rd. $150,000. O'Connor, Delaney & Schultz, 162 East 37th St., New York, archts.

N. Y., Great Neck—EXCHANGE—Voorhees, Gmelin & Walker, archts., 101 Park Ave., New York, bids in January general contract, Sherward Dr., for New York Telephone Co., 140 West St., New York. To exceed $150,000.

N. Y., New York — APARTMENT — V. Astor, 23 West 26th St., 102 x 148 ft. apartment, 120 East End Ave. $1,500,000. Engineer and architect not selected.

N. Y., New York—APARTMENT—Corporation, c/o J. J. Lavender, 833 Courtland St., plans by Franklin Bates & Heindsmann, 2526 Webster Ave., 6 story, 86 x 166 ft., brick, timber, Stratford Ave. and 172nd St. $300,000.

N. Y., New York—APARTMENT—Beaux Arts Development Corp., K. M. Murchion, pres., 31 East 40th St., plans by Godley & Fonilhoux, 101 Park Ave., 16 story, 87 x 175 ft., brick, steel, 308 East 44th St. $1,000,000.

N. Y., New York—APARTMENT—A. Brisbane, 515 Madison Ave., plans by Schultz & Weaver, 18 East 48th St., 15 story, 90 x 100 ft., brick, steel, 1 East 102nd St. $900,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Resnich, 1205 Southern Blvd., plans by C. Kreymborg & Son, 2534

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Buildings—Commercial (Continued)

Marion Ave., 6 story, 105 x 109 ft., brick, timber, Gerard Ave. and 164th St. $200,000.

N. Y., New York—APARTMENT—Four Hundred Fifty-One West 57th Street Corp., J. A. Meller, pres., 51 East 42nd St., plans by J. A. Meller, 51 East 42nd St., 15 story, 100 x 100 ft., brick, steel, 451 West 57th St. $600,000.

N. Y., New York—APARTMENT—V. Green Co., Inc., A. I. Levy, vice pres., 43 West 34th St., plans by W. C. Sommerfeld, 31 Union Sq., brick, steel, 1-3 Bleeker St. $500,000.

N. Y., New York—APARTMENT—Krumholz Bros., Inc., 349 East 149th St., plans by Gromemberg & Leuchtag, 1385 Bway., 4 story, 75 x 84 ft., brick, timber, Colonial Ave. and Westchester St. $150,000.

N. Y., New York—APARTMENT—Merriam Building Corp., H. S. Sherman, 1910 Arthur Ave., plans by Glick & Duma, 400 East Fordham Rd., 6 story, 89 x 150 ft., brick, timber, 170 St. Merriam Ave. $250,000.

N. Y., New York—APARTMENT—P. Silverman, 1316 Webster Ave., plans by T. F. Price, 243 West 231st St., 5 story, 86 x 100 ft., brick, timber, Olmstead Starting Ave. $175,000.

N. Y., New York—APARTMENT—Tangredi La Guardia, 3038 Bronxwood Ave., plans by J. Ziccardi, 912 Burke Ave., 6 story, 89 x 100 ft., brick, timber, Holland and Burke Aves. $160,000.

N. Y., New York—APARTMENT—Tiffany Arms Realty Corp., S. Neiman, pres., 349 East 149th St., plans by Schaefer & Rutkins, 2408 Grand Concourse, 6 story, 118 x 205 ft., brick, timber, Sheridan Ave. and 164th St. $600,000.

N. Y., New York—APARTMENT—Waitt Hainee Corp., 2 West 45th St., plans by Schwartz & Gross, 347 5th Ave., 9 story, 87 x 125 ft., brick, steel, 147 East 83rd St. $600,000.

N. Y., New York—DANCE STUDIO—Dance Guild, M. Iota in charge, Carnegie Bldg., plans by A.A. Fuhs, 411 East 57th St., dance studio. $2,000,000. D. Ferris, 101 Park Ave., consultant. Noted May 24.

N. Y., New York—HOTEL—Beaux Arts Development Corp., K. M. Mechison, pres., 31 East 40th St., plans by Godley & Fouilhoux, 101 Park Ave., 16 story, 89 x 158 ft., brick, steel, 307 East 44th St. $1,000,000.

N. Y., New York—OFFICE and APARTMENT—Thirty Seven West 72nd Street Corp., R. E. La Barre, pres., 79 East 79th St., plans by Harmon & Hart, 19 West 44th St., 15 story, 62 x 75 ft., brick, steel, 35 West 72nd St. $600,000.

N. Y., New York—STORE and APARTMENT—Ferol Realty Corp., 1492 Westchester Ave., plans by DeRose & Cavalieri, 370 East 149th St., 6 story, irregular shaped, brick, timber, St. Marys St. and Jackson Ave. $210,000.

N. Y., New York—STORE and APARTMENT—J. D. Rockefeller, Jr., 26 Bway., soon lets contract store and apartment. $300,000. A. J. Thomas, 2 West 46th St., archt.

N. J., Asbury Park — OFFICE — Monmouth Title Mortgage & Guaranty Co., 416 Main St., plans by P. Freshman, 50 Court St., Brooklyn, N. Y., 15 story, basement, brick, steel, rein.-con., plain found., Main St. $750,000. Noted Nov. 22.

N. J., East Orange — APARTMENT — Feldman Pivinick, 70 Custer Ave., Newark, plans by L. Kasoff, 164 Market St., Newark, 6 story, basement, brick, steel, plain found., Prospect St. and Park Ave. $325,000.

N. J., Elizabeth — APARTMENT — E. Glueck, 81 Elmora Ave., plans by W. L. Frnne, 91 Broad St., 3 story, basement, brick, steel, plain found., 81-3 Elmora Ave. $150,000. Noted Dec. 6.

N. J., Englewood—APARTMENT—Sigram Realty Co., 244 Grand Ave., plans by C. G. Mettburg, 7 South Dean St., 5 story, basement, brick, steel, plain found. Grand Ave. and Chester Pl. $250,000.

N. J., Englewood — APARTMENT — J. Summers, Grand Ave., sketches by C. Mettburg, 7 South Dean St., 5 story, basement, brick, steel, plain found., Chester Pl. and Grand Ave. $185,000. Noted Nov. 29.

N. J., Hackensack—APARTMENT—Kaplan & Bernstein, 146 West 29th St., Bayonne, plans by C. I. Goldberg, 437 Bway., Bayonne, 5 story, basement, 75 x 100 ft., brick, steel, plain found., Park and Clay Sts. $175,000.

N. J., Hackensack—GARAGE—Owner, c/o J. L. T. Tillack, archt., 173 Main St., sketches 2 story, basement, brick, steel, plain found., Gamewell Ave. and Union St. $150,000.

N. J., Hillside sta. Elizabeth)—APARTMENT—Economy Constr. & Realty Co., c/o E. V. Warren, archt., Essex Bldg., Newark, sketches 5 story, basement, brick, steel, plain found., Maple and Greenman Aves. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, 157 Augusta St., Newark, 5 story, brick, steel, plain found., Lyons and Chester Aves. $150,000. Private plans.

N. J., Jersey City — CLUB — Victor Emanuel Lodge 396, Sons of Italy, G. Gaflero, chn., 1765 Hudson Blvd., will not construct 3 story, basement, 50 x 100 ft., brick, steel, plain found; Greenville Ave. and Hudson Blvd. $150,000. Project abandoned. A. L. Vigliante, 42 Passaic Ave., Garfield, archt. Noted Nov. 22.

N. J., Long Branch—HOTEL—W. H. Pawson, 25 West 43rd St., New York, sketches by Ellis, Aaronson & Heidrich, 25 West 43rd St., New York, rein.-con., brick, steel, plain found., Ocean Ave. $3,000,000.

N. J., Morristown—STORE—M. Epstein, 32 Park Pl., rejected bids general contract 5 story, basement, 70 x 75 ft., brick, steel, plain found., 32 Park Pl. $225,000. Warren & Warren, 31 Clinton St., Newark, archts. Noted June 28.

N. J., Newark—OFFICE—American Insurance Co., 70 Park Pl., plans by J. H. and W. C. Ely, 605 Broad St., 10 story, basement, brick, steel, plain found., Broad St. and Washington Park. $500,000. Noted Sept. 20.

N. J., Passaic—APARTMENT—Avenue Realty Co., 173 Passaic St., plans by Preiskel & Skvarla, 2 Lexington Ave., 7 story, basement, brick, steel, plain found., 184-190 Lexington Ave. $225,000.

N. J., Passaic—APARTMENT—Buch & Walsh, 24 Lexington Ave., plans by Preiskel & Skvarla, 6 Lexington Ave., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Brook Ave. and Idaho St. $150,000.

N. J., Ridgewood — THEATRE — North Oak Impvt. Co., F. A. Tetor, 243 West Ridgewood Ave., rejected bids 4 story, basement, brick, steel, rein.-con., plain found., Franklin Ave. and North Oak St. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted May 3.

N. J., Rutherford—APARTMENT—Bergen Natl. Constr. Co., 68 Orient Way, 5 story, basement, brick, steel, plain found., Orient Way. $180,000. Private plans.

N. J., Somerville — APARTMENT — G. Zengales, 102 Walnut Ave., Cranford, plans by M. Kraut, 301 Hudson Blvd., Jersey City, 3 story, basement, brick, steel, plain found., North Bridge and William St., $150,000.

N. J., Tuckerton—CASINO—Enterprise Development Co., c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, 2 story, basement, brick, stucco, plain found. $150,000. Noted Nov. 22.

Pa., Phila.—APARTMENT—S. T. Hall, 17th and Sansom Sts., plans by A. W. Hall, 15th and Locust Sts., 9 story, basement, 36 x 80 ft., rein.-con., brick, steel, plain found., 1708 Sansom St. $150,000.

Pa., Phila.—THEATRE—Stanley Co. of America, 11th and Market Sts., plans by T. W. Lamb, 644 8th Ave., New York, brick, steel, Wayne and Cheleen Aves. $1,250,000.

N. C., Asheville — OFFICE — Hoggson Bros., (archts. and builders), 485 5th Ave., New York, bids early in January, separate contracts, remodeling building, Patton Ave. and Church St., for Wachovia Bank & Trust Co., F. H. Fries, Winston-Salem, pres. Noted May 31.

O., Akron — Y.W.C.A., 600 Lexington Ave., New York, plans by Fichter & Brooker, Metropolitan Bldg., and bids in spring Y.W.C.A. Building, High St. $500,000. L. Richards, Metropolitan Bldg., engr.

O., Cleveland—OFFICE—New York, Chicago St &. Louis R. R. Co., A. C. Harvey, ch. engr., and Cleveland Union Terminal Co., Terminal Tower, plans by Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., 14 story, brick, steel, concrete Union Terminal site.

O., Cleveland — THEATRE — Cleveland Union Terminal Co., C. L. Bradley, pres., Terminal Tower, plans by Graham, Anderson, Probst & White, Railway Exch. Bldg., Chicago, Ill., brick, steel, concrete, Union Terminal site, $2,000,000.

O., Massillon — HOSPITAL — Massillon Hospital Assn., H. C. Brown, pres., 876 Akron St., plans by Hadlow, Hughes, Hick & Conrad, Union Mortgage Bldg., Cleveland, 5 story, basement, rein.-con., brick, Akron St. $500,000.

O., Toledo—APARTMENT—Manhattan Bldg. Co., c/o A. Hahn & Co., archts., Close Realty Bldg., soon lets contract 10 story, basement, Madison St. $800,000.

O., Toledo—STORE—Milner Store leased to Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., remodeling store. Summit St. $200,000.

O., Youngstown—ADMINISTRATION—Automatic Sprinkler Co. of America, Lake Erie Bank Bldg., Cleveland, administration building, Jones and Brittain Sts. $150,000.

Mich., Battle Creek—OFFICE and SERVICE STATION—Consumers Power Co., Jackson, 2 story, basement, rein.-con., brick, steel, stone, plain found., Jefferson St. $250,000. Private plans.

Mich., Detroit—BANK and OFFICE—Detroit Savings Bank, State and Griswold Sts., plans by C. L. Phelps, 503 Detroit Savings Bank Bldg., 2 story, basement, 100 x 150 ft., rein.-con., brick, steel, limestone, plain found., Grand River and Joy Rd. $250,000.

Mich., Detroit—EXHIBITION—Municipal Airport, plans by P. A. Fellows, City Hall, 1 and 2 story, concrete, brick, steel, plain found., French and Lynch Rds. $1,000,000. Noted Sept. 13.

Mich., Royal Oak—CITY HALL, FIRE STATION and MARKET—City, R. J. Whitney, city mgr., 2 and 3 story, rein.-con., brick, steel, stone, plain found. $150,000. Engineer and architect not selected.

Ill., Aurora—EXCHANGE—Illinois Bell Telephone Co., 212 West Washington St., Chicago, plans by Holabird & Root, 333 North Michigan Ave., Chicago, rein.-con., brick exchange building. $175,000.

Ill., Chicago—APARTMENT—Syndicate, c/o S. Collins, 111 West Washington St., plans by Lowenberg & Lowenberg, 111 West Monroe St., 3 story, basement, 125 x 250 ft., brick, North Ave. near Albany Ave. $850,000.

Ill., Chicago—THEATRE, APARTMENT and STORE—Syndicate, c/o L. J. Lesser, 38 South Dearborn St., sketches by W. W. Ahlschlager, Inc., 65 East Huron St., 44 story, basement, 160 x 180 ft., 8th St. and Michigan Ave. $15,000,000.

Ill., Chicago—WAREHOUSE—Anderson, Probst & White, archts., 80 East Jackson Blvd., soon take bids on revised plans 11 story warehouse, Ashland Ave. and Pershing Rd., for General Electric Co., River Rd., Schenectady, N. Y. $1,500,000.

Ill., Glenview—CLUB—Glenview Jockey Club, c/o G. J. Steinmetz, 612 North Michigan Ave., Chicago, plans by Jillson & Pierce, 35 East Wacker Dr., club, incl. grand stand, club house, golf course, race track and paddocks. $1,000,000.

Wis., Milwaukee—APARTMENT—Wold Investment Co., 123 Wisconsin Ave., plans by A. H. Siewert, 805 36th St., 4 story, basement, Lake Dr. $150,000.

Wis., Milwaukee—CLUB HOUSE—Milwaukee Country Club, Range Line Rd., soon lets contract club house and improvements, Green Ave. and Range Line Rd. $1,000,000. Fitzhugh & Scott, 214 Mason St., Milwaukee, archts. R. H. Bullard, 607 5th Ave., New York, assoc. archt.

Kan., Larned—HOSPITAL—State Building Comn., Topeka, hospital. $250,000 appropriation asked at next legislature.

Kan., Osawatomie — HOSPITAL — State Building Comn. receiving hospital building. $300,000 appropriation asked at next legislature.

Kan., Wichita—HOTEL and STORE—R. Otstat, J. Glagden, et al., Blackwell, Okla., plans by H. H. Mahler Co., Lynch Bldg., Tulsa, Okla., 19 story, basement, 125 x 140 ft., concrete, brick, steel, Lawrence and Williams Sts. $1,500,000. Noted Nov. 8.

Kan., Wichita — TELEPHONE EXCHANGE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., soon takes bids 2 story, basement, 94 x 136 ft., rein.-con., brick, Topeka Ave. and 2nd St. I. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt.

Mo., Kansas City — APARTMENT — M. Shankman, 3128 Troots Ave., plans by Greenbaum, Hardy & Schumacher, 216 Scarrett Bldg., 6 story, basement, rein.-con., brick, 32nd St. and Troots Ave. $150,000.

Mo., St. Louis—HOME and HOSPITAL—H. G. Clymer, archt., Wainwright Bldg., soon lets contract excavation, concrete, masonry stone, cut stone, brick work, steel and iron roofing, plastering, sheet metal work and painting for 3 story, basement, 114 x 139 ft., rein.-con., brick, stone, 3740 Marine Ave., for Salvation Army, c/o W. Andrews, 3620 Finney Ave. Noted Nov. 15.

Tex., Mercedes—HOTEL—R. P. Tindel, 347 East Craig St., San Antonio, bids in February, 6 story, part basement, tower, brick hotel, incl. public garage. $150,000. B. F. Sinclair, c/o owner, archt.

Colo., Las Animas—EXCHANGE, etc.—Mountain States Telephone & Telegraph Co., 800 14th St., Denver, new exchange building, 6th St., also replacing overhead wires with underground cables.

Calif., Alameda—APARTMENT—Interests represented by C. L. Traver, 2315 Santa Clara Ave., plans by D. Stone, 354 Hobart St., Santa Clara, 5 story, basement, Hawthorne and Caroline Sts. $500,000. Noted Oct. 4.

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Buildings—Commercial (Continued)

Calif., Long Beach—GARAGE—City, H. S. Callahan, city mgr., 3 story, basement, rein.-con. garage. $200,000 or more. Engineer and architect not selected.

Ont., St. Catharines — HOTEL — St. Catharines Hotel Ltd., c/o Y. M. C. A., plans by Nicholson & McBeth, 46 Queen St., 7 story, basement, 80 x 120 ft., brick, steel, stone, St. Paul St. $350,000.

Ont., Toronto — APARTMENT — S. D. Robinson, 45 St. Clair Ave. W., plans by H. C. Roberts, 81 Victoria St., 2 story, basement, rein.-con., brick, steel, plain found., Gloucester St. $150,000.

Ont., Toronto—APARTMENT—W. John, 264 Millwood Rd., plans by E. A. Leigh, 46 Bloor St. W., 3 story, basement, concrete, brick, stone, Heath St. $150,000.

Que., Montreal—FIRE and POLICE STATIONS—See "Unclassified."

Bids Asked

Mass., Boston—MEDICAL WARD—City, Hospital Dpt., bids about Jan. 1, 8 story, basement, 50 x 140 ft., brick, limestone, plain found., Harrison Ave. $600,000. J. H. Ritchie & Associates, 250 Stuart St., archts. Noted Nov. 15.

Mass., Boston—STORE and OFFICE—S. J. Lowe, 1 State St., taking bids 3 story, basement, brick, stone, steel, plain found., 221-23 Washington St. $150,000. R. H. Doane, 162 Newbury St., archt. Noted Mar. 22.

Mass., Malden (br. Boston) — HOME — City, Overseers of the Poor, taking bids 2 story, basement, 100 x 115 ft., brick, steel, plain found., Sylvan and Forest Sts. $200,000. C. F. Springall, 50 Park St., archt. Noted Nov. 29.

Mass., Monson—EMPLOYEES HOME—Dec. 19, by Dpt. Mental Diseases, 3 story, basement, 35 x 35 ft., and 35 x 120 ft. male employees home, at State Hospital. $150,000. G. Robb, 14 Beacon St., Boston, archt. Noted Oct. 4.

Mass., Natick—THEATRE—Harris Theatre Corp., N. G. Harris, pres., 34 Brooks St., Wellesley, bids about Dec. 20 on revised plans 2 story, basement, 60 x 80 x 200 ft., brick, steel, Hayes and Central Sts. $150,000-$160,000. J. E. Kelley, 38 Chauncy St., Boston, archt. Noted Sept. 6.

Mass., Needham (Ind. br. Boston) — BANK, STORE and OFFICE—Needham Natl. Bank for Savings & Trust, H. A. Carter, pres., 402 Highland Ave., taking bids 1 and 2 story, basement, rein.-con., brick, plain found., Great Plain Ave. $150,000. T. M. James Co., 3 Park St., Boston, archt. Noted Nov. 15.

R. I., Providence—APARTMENT—See "Contracts Awarded."

Conn., New Haven—Y.M.C.A., 568 Chapel St., taking bids 4 story, basement, 50 x 180 ft., and 35 x 100 ft., brick, steel, rein.-con. building, incl. cafeteria, dormitory, office, and swimming pool, Humphrey St. $350,000. W. Thompson, 342 Madison Ave., New York, engr. D. Orr, 956 Chapel St., archt.

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—HOSPITAL—Italian Benevolent Institute, S. M. Serrari, 617 East 83rd St., bids about Jan. 15, general contract hospital. $2,000,000. A. J. DePace, 151 West 46th St., archt. Noted Oct. 25.

N. Y., New York—LOFT, STORAGE and OFFICE, etc.—M. P. B. Realty Corp., M. Barkin, pres., 64 West 48th St., taking bids on separate contracts 16 story, 42 West 46th St. $250,000. G. and E. Blum, 415 Lexington Ave., archts. Noted Oct. 18.

N. Y., Rockaway Beach (Ind. sta. Far Rockaway) — STATION HOUSE, etc. — Dec. 17, by J. A. Warren, police comr. at Bookkeepers Office, Police Dpt., 240 Centre St., New York, 123rd Precinct Station House, prison and garage, Beach 94th St. and Rockaway Beach Blvd. Noted May 31 under "Far Rockaway."

N. J., Bayonne—MUNICIPAL—City, W. P. Lee, clk., City Hall, bids about Jan. 15, general contract 4 story, basement, brick, steel, rein.-con., plain found., Ave. C between 27th and 28th Sts. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Oct. 18.

N. J., Belmar—HOTEL—Staffa Constr. Co. (J. Friedman), 609 6th Ave., taking sub-bids, 4 story, basement, 60 x 120 ft., brick, rein.-con., plain found., incl. tennis courts, public bath house, swimming pool, Ocean Ave .and 14th St. $150,000.

N. J., Belmar—HOTEL—Traub Bros., 1303 E St., taking sub-bids altering and constructing 4 story, basement, 100 x 100 ft., brick addition, plain found. $150,000. E. F. Hauser, 11 Clinton St., Newark, archt. Noted Dec. 13.

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N. J., Englewood — STORES and GARAGES — J. & A. Pasternack, 255 Harrison St., Passaic, taking bids general contract 1 story, basement, 180 x 180 ft., brick, steel, plain found., Palisade and Grand Aves. 175,000. F. Pirrone, 104 Midland Ave., Garfield, archt. Noted Nov. 29.

N. J., North Arlington (mail Arlington) — APARTMENT — See "Contracts Awarded."

N. J., Paterson—APARTMENT—D. J. Scrocco, archt., 60 Park Pl., Newark, taking bids 9 story, basement, 50 x 142 ft., brick, steel, plain found., 226 Bway., for A. L. Hoffspiegel, 282 Bway. $450,000.

N. J., Paterson — F. W. Wentworth, archt., 140 Market St., bids about Jan. 15, general contract 3 story, basement, 115 x 140 ft., rein.-con., brick, steel, plain found., for Y.M.C.A., R. J. Walsh, genl. secy., 141 Clinton St., Ward and Prince Sts. $750,000. Noted Dec. 6.

N. J., Secaucus (Ind. br. West New York) —HOSPITAL—Bd. Freeholders Hudson Co., Court House, Jersey City, bids about Jan. 15, 4 story, basement, brick, steel, rein.-con., plain found., County Ave. $500,000. J. T. Rowland, 30 Journal Sq., Jersey City, archt. Noted Nov. 8.

Miss., Meridian—HOSPITAL—Dec. 18, by East Mississippi State Hospital, c/o Mississippi State Building Comn., Jackson, 3 story, rein.-con., brick, steel. $225,000. R. C. Springer, Rosenbaum Bldg., archt. Noted June 28.

Tenn., Nashville — WORKHOUSE—Dec. 26, by F. M. Dorris, chn. Davidson Co., Court House, workhouse, South 5th and Hitt Sts. Asmus & Clark, 1415-18 Nashville Trust Bldg., archts.

Ohio—ADMINISTRATION, COTTAGES and SCHOOL—Dec. 28, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 2 story, basement, 42 x 175 ft., administration building, $200,000, two 2 story, basement, 30 x 50 ft. cottages, $188,000, all concrete, brick, steel at Apple Creek; 2 story, basement, 30 x 90 ft. school, and 2 story, basement, 30 x 78 ft. cottage with 33 x 55 ft. wing, both concrete, brick, stone at Marysville, $120,000; 3 story, basement, 81 x 142 ft., rein.-con., brick, steel, stone cottage at Gallipolis, $125,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt.

Ind., Evansville—GARAGE—A. Sanderson, c/o H. E. Boyle, archt., Furniture Bldg., taking bids 6 story, 96 x 225 ft., rein.-con., brick. $150,000.

Ind., Ft. Wayne—OFFICE—Dudlo Mfg. Co. taking bids 2 story, basement, 98 x 142 ft., rein.-con., brick, Wall St. $150,000. G. Mahurin, 425 Standard Bldg., archt.

Ill., Chicago—APARTMENT—J. J. Jensen, archt., 1105 Lawrence Ave., taking bids 13 story, basement, 67 x 130 ft., brick, terra cotta, 1330-34 Columbia Ave., for Syndicate, c/o architect.

Ill., Chicago — APARTMENT — Michaelson & Rognstad, archts., taking bids 6 story, basement, 48 x 165 ft., rein.-con., brick, terra cotta, 2112 Humboldt Blvd., for M. Jorgensen, 2112 Humboldt Blvd. $300,000.

Ill., Chicago — OFFICE and STORE — Childs & Smith, archts., 720 North Michigan Ave., bids about Dec. 15, 12 story, basement, 100 x 100 ft., rein.-con., brick, steel, stone, woodpile found., Ohio and Cass Sts., for Amer. Bankers Insurance, Inc., 45 East Ohio St. $900,000. Noted Oct. 18.

Kan., Norton—COURT HOUSE—Norton Co., c/o Clerk, bids about Dec. 20, 4 story, basement, 80 x 100 ft., rein.-con., brick, bedford stone. $200,000. Cuthbert & Suehrk, 735 Kansas Ave., Topeka, archts. Noted Dec. 6.

Kan., Wichita—HOTEL—See "Contracts Awarded."

Tex., Baird—COURTHOUSE—Dec. 27, by Callahan Co., c/o W. C. White, judge, Baird, brick, stone, rein.-con. $150,000. Voelcker & Dixon, Perkins-Snider Bldg., Wichita Falls, archts. Noted Nov. 15.

Colo., Denver—COURT HOUSE, etc.—Dec. 31, by Manager Impvts. & Parks, City Hall, 5 story, basement, 273 x 435 ft., granite, stone, steel, rein.-con. court house, and 52 x 90 ft. brick, steel, rein.-con. boiler house, 45 ft. above ground, Bannock St. between West 14th and West 15th Sts., for City and Denver Co. $5,000,000. Former contract rescinded.

Ont., Toronto—APARTMENT—See "Contracts Awarded."

Contracts Awarded

Me., Portland — COMMERCIAL — Dartmouth R. E. Co., F. A. Rumery, pres., 2 story, basement 120 x 180 ft., limestone, steel, plain found., Forrest Ave. to F. A. Rumery Co., 537 Congress St. To exceed $150,000.

Mass., Brookline (br. Boston)—APARTMENT—J. Silverstein, 31 Wolcott St., Dorchester, 3 story, basement, irregular sized, brick, stone, structural steel, plain found., Lanack Rd. corner Englewood Ave., separate contracts. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Conn., Greenwich — CLUB — Riverside Yacht Club, Riverside, club house, to G. L. White, Smith Bldg., Greenwich.

R. I., Providence — APARTMENT — H. Soren, 206 Prairie Ave., 4 story, basement, irregular sized, brick, plain found., 107-111 Medway St., separate contracts. $150,000. Page & Page, 87 Weybosset St., archts.

R. I., Providence—APARTMENT—L. C. Wales, 329 Morris Ave., 6 story, basement, 60 x 70 ft., brick, plain found., Taft Ave. and Sessions St., separate contracts. To exceed $150,000. H. Marshak, 75 Westminster St., archt.

Conn., Hartford — WAREHOUSE — S. Shulansky, 101 Windsor Ave., 4 story, 85 x 150 ft., brick, rein.-con., to C. Seigel, 304 Edgewood St. Est. $150,000. Noted Nov. 8.

Conn., New Haven—ARMORY—L. L. Field, 129 Church St., 3 story, 200 x 250 ft., brick, steel, concrete, for State, to C. Abbadessa & Bros., 159 Winthrop Ave., $520,034; heating, to G. W. Cunningham & Co., 18 Wells St., Hartford, $32,066; piling, to Raymond Concrete Pile Co., 140 Cedar St., New York, $35,850. Grand total $587,950. Noted Dec. 6.

N. Y., New York—APARTMENT—Bregman Bros., 1068 East Tremont Ave., 6 story, brick, timber, Jerome Ave. and 165th St., separate contracts. $150,000. H. Ginsberg, 222 East 42nd St., archt.

N. Y., New York—APARTMENT—Corporation, c/o A. Fell, 400 East Fordham Rd., 6 story, 70 x 101 ft., brick, timber, to Winchester Building Corp., 400 East Fordham Rd. Est. $150,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o H. Hoch, 332 East 149th St., 6 story, brick, timber, Bronx Blvd. and 228th St., to Koch Constr. Co., 332 East 149th St. Est. $200,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o H. Davis, 728 Trinity Ave., 5 story, 91 x 100 ft., brick, timber, to Watson Constr. Co., 728 Trinity Ave. Est. $150,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o C. Richardson, 41 East 42nd St., 4 story, 89 x 100 ft., brick, timber, to Charles Lee Building Corp., 41 East 42nd St. Est. $150,000. Noted Nov. 29.

N. Y., New York—HOSPITAL—Mid-town Hospital, G. A. Helme, pres., 227 East 57th St., 6 story, brick, to G. E. Paul, c/o owner. Est. $350,000. Noted Oct. 18.

N. J., Asbury Park — APARTMENT — Park Lane Holding, Co., 601 Bangs Ave., general contract 9 story, basement, 100 x 100 ft., brick, steel, plain found., Deal Lake Dr. and Park Ave., to Klausner, Inc., Deal Lake Dr. and Park Ave. Est. $350,000. Contracts taking sub-bids.

N. J., East Orange — APARTMENT — Krieger & Krieger, Inc., 133 South Burnett St., 4 story, basement, 91 x 144 ft., brick, steel, plain found., North Arlington Ave. Owner builds by separate contracts. $150,000. Noted Nov. 22.

N. J., Hackensack—CLUB—J. Riley Gordon, archt., 475 5th Ave., New York, 5 story club, to Ferber Constr. Co., 16 Johnson Ave., for B.P.O.E., 177 State St. Est. $400,000. Noted Nov. 22.

N. J., Hackensack — GARAGE — T. Walker, Closter, general contract 2 story, basement, 115 x 140 ft., brick, steel, rein.-con., plain found. 1st and Atlantic Ave., to A. A. La Fountain, Inc., R. R. Ave. and Beach St. Est. $150,000.

N. J., Jersey City — APARTMENT and STORE — A. A. Berstein, 1239 Hudson Blvd., West New York, 4 story, basement, 50 x 100 ft., brick, steel, plain found., 1200 Summit Ave., separate contracts. $150,000. G. B. McIntyre, 608 Park Ave., West New York, archt.

N. J., North Arlington (mail Arlington) —APARTMENT—J. Leff, 9 Porter Pl., Newark, 3 story, basement, brick, steel, plain found., Bond Pl. and Prospect Ave., separate contracts. $150,000. J. Centanni, 142 Market St., Newark, archt. Noted Dec. 6.

Pa., Washington — ADMINISTRATION and RECREATION—Y. W. C. A., general contract 3 story, basement, brick, steel, concrete, to Washington Eng. & Constr. Co., Washington. Est. $250,000. Noted Oct. 25.

Md., Baltimore—DEPARTMENT STORE —The Hub, Charles and Baltimore Sts., 3 story, concrete, brick, steel addition, Charles and Fayette Sts., to Consolidated Eng. Co., 20 East Franklin St., $150,000.

N. C., Pinehurst—HOSPITAL—Leonard Tufts et al, Pinehurst, 40 bed modern hos-

Buildings—Commercial (Continued)

pital, on State Highway, to Jewell-Riddle Co., Sanford, $160,000.

Miss., Sanatorium — SANITORIUM — Mississippi Building Comn., State House, Jackson, W. C. Trotter, secy., general contract additions, incl. two 1 story buildings, 5 residences, dairy barn, poultry houses, landscape work, repairing administration building, incinerator and sprinkler system, to Kershaw Constr. Co., Woodward Bldg., Birmingham, Ala., $252,000. Noted Nov. 18.

Tenn., Knoxville—MEDICAL ARTS and GARAGE—Medical Arts Building Corp., 13 story, 70 x 103 ft., rein.-con., with 3 story, 109 x 145 ft. garage, to Worsham Bros., Empire Bldg., $500,000. Noted Aug. 2.

O., Lorain—STORE—A. P. O'Donnell, 2 story, basement, 48 x 120 ft., brick, steel, concrete, Bway., to T. J. Hume, 435 Hamilton Ave. Est. $150,000. Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Mich., Owosso—HOTEL—B. K. Gibson, archt., 624 South Wabash St., Chicago, Ill., 5 story, basement, 88 x 112 ft., concrete, brick, steel, plain found., to Realty Constr. Co., 502 Industrial Bank Bldg., Flint, for Owosso Hotel Co. Est. $400,000. Noted Dec. 8.

Ill., Champaign — SOCIAL CENTER — Holmes & Flynn, archts., 8 South Dearborn St., Chicago, 2 story, basement, 100 x 150 ft., rein.-con., brick, Bedford stone, East Daniels St., to A. W. Stoolman, Champaign, for McKinley Foundation, c/o J. W. Malone, Jr., 412 East Daniels St. Est. $200,000. Noted Nov. 22.

Ill., Chicago — APARTMENT — L. F. Urbain, archt., 1254 Lake Shore Dr., masonry contract 6 story, 83 x 125 ft., brick, 6748-53 Ashland Ave., to Nelson Building Constr. Co., 4440 North Kedzie Ave., carpentry, to Fort Dearborn Constr. Co., 139 North Clark St., for Rogers Park Building Corp., 1254 Lake Shore Dr. Est. $300,000. Noted Oct. 18.

Ill., Chicago—CLUB—Shattuck & Layer, archts., 134 North La Salle St., general contract 4 story, basement, 125 x 133 ft., to W. E. O'Neil Constr. Co., 308 West Washington St.; plumbing, to W. J. Sievert, 3711 West North Ave., for Northwest Lyons Building Corp., 3850 West North Ave. Est. $500,000. Noted Oct. 11.

Ill., Dunning—HOSPITAL—State Dept. Purchases & Constr. Springfield, remodeling service building into hospital, also 2 story, rein.-con., brick addition, to C. A. Moses Constr. Co., 176 West Adams St., Chicago. Est. $200,000.

Ill., Peoria—MAUSOLEUM—Springfield Cemetery Assn., Peoria Life Bldg., C. N. Wheeler, secy., rein.-con., brick, stone, marble, to Malley Mausoleum Co., Peoria Life Bldg., Est. $450,000.

Kan., Arkansas City — OFFICE — Arkansas City Office Building Co., J. W. Ralston, pres., 6 story, mezzanine, basement, 79 x 100 ft., rein.-con., brick, stone, granite, steel, West 15th St., to Underhill Constr. Co., Wichita. Est. $400,000. Noted Oct. 4 under "Contracts Awarded."

Kan., Wichita—HOTEL—Hurley Park Investment Co., 206 Orpheum Bldg., 9 story, basement, 43 x 137 ft., rein.-con., brick, 601-605 North Lawrence St., separate contracts. $400,000. N. E. Peters, 1005 Orear-Leslie Bldg., Kansas City, Mo., archt.

Neb., North Platte — HOTEL — Keith Neville, 8 story, basement, 100 x 132 ft., rein.-con. hotel, to A. Beck, Keeline Bldg., Omaha.

Mo., Kansas City—STORE—Kleins, Inc., 1113 Walnut St., 5 story, basement, 42 x 112 ft. addition, to Swenson Constr. Co., Shubert Bldg. Est. $150,000.

Mo., St. Louis—STATION—Terminal R.R. Assn., H. Miller, pres., 2 story addition to railroad station, to Dwight P. Robinson & Co., 125 East 45th St., New York. Est. $200,000.

Okla., Oklahoma City—AUTO HOTEL—C. M. Denning & Co., 420½ North Hudson St., 8 story, basement, 70 x 140 ft., rein.-con., plain found., 17 North Hudson St. $275,000. Owner builds. Ramp Motor Hotel Co., Detroit, Mich., archts.

Calif., Fairfax — HOTEL — Corporation financed by Western Management & Finance Co., 1st Natl. Bank Bldg., San Francisco, 7 story, basement, steel, rein.-con., incl. club building, golf course, to Thebo, Starr & Anderson, Sharon Bldg., San Francisco, $1,250,000.

Calif., San Francisco—APARTMENT—Pacific Avenue Corp., E. Tropp, 105 Montgomery St., 15 story, basement Class "A" Pacific Ave. near Laguna St. Owner builds under supervision of archt. $700,000. D. Stone, 354 Hobart St., Oakland, archt. Noted Aug. 2.

Que., Montreal—COURT—City Council, juvenile court, to Robertson & Janin Ltd., 702 Sherbrooke St. W., $193,000.

Ont., Hamilton—CLUBHOUSE—Hamilton Golf & Country Club, c/o Hutton & Souter, archts., 6 James St. S., general contract 3 story, basement, concrete, brick, steel, stone, to W. H. Cooper, 6 Hughson St. N., steel, to Hamilton Bridge Wks., Bay St. N., cut stone, to Sharp Bros., 516 Kenilworth Ave. N., steel joist, to Trussed Concrete Steel Co., Federal Bldg., Toronto. Est. $150,000.

Ont., Sandwich—CLUB HOUSE—Essex Golf & Country Club, near Michigan Ave., general contract concrete, brick, to E. G. Morely, 1340 Dougall Ave., Windsor; structural steel, to T. J. Eanson & Sons, 300 Pitt St., Windsor, cut stone, to Select Cut Stone Co., McDougall St., Windsor; marble, to Excelsior Granite Wks., 123 Pitt St., Windsor. Est. $150,000.

Ont., Toronto — APARTMENT — British Constr. Co., Federal Bldg., 4 story, basement, rein.-con., brick, steel, plain found., Vaughan Rd. day labor. $150,000. V. L. Morgan & Co., Earle Ave., Weston, archts.

Ont., Toronto—APARTMENT—Bromley & Callahan, c/o W. C. Charters, archt., 2339 Queen St. E., excavation for 3 story, basement, 36 x 155 ft., Broadway Ave., to Gordon Contg. Co., 118 Branstone Rd.; masonry, to B. A. Hart, 43 Cross St. Est. $150,000.

Ont., Toronto—DEPARTMENT STORE—T. Eaton Co. Ltd., Yonge and Queen Sts., 7 story, 2 basement, 208 x 247 ft., 1 story, 2 basement, 86 x 414 ft., 1 story, 2 basement, 123 x 294 ft., foundations for above, to Fuller Constr. Co. of Canada, 25 Adelaide St. E.; structural steel, to McGregor-McIntyre Co. Ltd., 1139 Shaw St. Est. $2,500,000. Total est. $10,000,000. Noted Aug. 9.

B. C., New Westminster—WAREHOUSE—British Columbia Distilleries Ltd., Sapperton St., 7 story, 134 x 155 ft., rein.-con., to Northern Constr. Co. Ltd., 736 Granville St., Vancouver, $152,000.

Buildings—Educational, Religious

Proposed Work

Me., Portland—CHURCH—St. Joseph's Roman Catholic Church, J. Houlihan, pastor, plans by W. B. Colleary, 80 Boylston St., Boston, Mass., 1 story, basement, 75 x 160 ft., granite, plain found. $150,000.

Mass., Ashland—SCHOOL—Town, E. R. Dearborn, chn. building com., revised plans by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story, basement, brick, plain found., incl. gymnasium, auditorium. $150,000. Former bids rejected. Noted Nov. 29.

Mass., Fall River—NURSES HOME—Truesdale Hospital, D. S. Jones, supt., 1820 Highland Ave., sketches by E. I. Marvell, 209 Bedford St., brick, steel, Highland Ave. $150,000.

Mass., Pittsfield—HIGH SCHOOL—City, c/o C. L. Hibbard, chn. building com., new sketches by J. D. Leland & Co., Statler Bldg., Boston, 2 story, basement, brick, plain found., East, 2nd and Willis Sts. $200,000.

Mass., Quincy (Ind. br. Boston) — CHURCH — Community Congregational Church, C. Easton, pastor, 81 Edison Park, plans by T. B. Syme, 42 Thornton St., and soon takes bids 1 story, basement, brick, stone, plain found., Washington St. and Albey Rd. $150,000.

R. I., Cumberland (mail Manville) — SCHOOLS—Town, I. Mitchell, supt. schools, addition to high school and grade school in Lonedale Sect., each brick and steel. $150,000. Engineer and architect not selected.

R. I., Woonsocket—SCHOOL—City, supt. schools, plans by W. F. Fontaine, 285 Main St., brick and steel, in East Woonsocket. $150,000.

Conn., Hartford—CHURCH—Broadview Community Parish, S. B. Crosland, pastor, plans by H. Gibson, c/o owner, 2 story, basement, brick, stone, incl. library, classrooms and bowling, Roger and Oliver Sts. $150,000. Noted Dec. 6.

Conn., Windsor—HIGH SCHOOL—Windsor Superintendent of Schools plans by H. A. Hayden, 175 Main St., Bristol, brick, steel addition. $150,000.

N. Y., Brooklyn — NURSES HOME — Church Charity Foundation, c/o R. R. Ernest, plans by Koch & Wagner, 32 Court St., altering and constructing 4 story, brick addition, Atlantic and Albany Aves. $200,000.

N. Y., Brooklyn—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by W. C. Martin, Flatbush Ave. extension and Concord St., 4 story, 178 x 182 ft., brick, 23rd Ave., 60th and 61st Sts. $715,000.

N. Y., Farmingdale—HIGH SCHOOL—Bd. Educ. Dist. 22, A. Scherer, pres., sketches by Coffin & Coffin, 522 5th Ave., New York, 3 story high school. $350,000.

N. Y., Floral Park — SCHOOL — Union School Dist., c/o H. E. Foster, Elmont, soon takes bids school. $850,000. Knappe & Morris, 171 Madison Ave., New York, archts. Noted Apr. 5.

N. Y., Nanuet—SCHOOL—Bd. Trustees, c/o R. H. Morris, Nanuet, soon lets contract school addition. $165,000. Tooker & Marsh, 101 Park Ave., New York, archts. Noted Sept. 27.

N. Y., Wading River — ORPHANAGE — Little House of Providence for Colored Children, Mr. Quinn, in charge, 27 Claver Pl., Brooklyn, soon lets contract orphanage. $150,000. Murphy & Lehman, 208 Livingston St., Brooklyn, archts.

N. J., Bayonne — SCHOOL — Bd. Educ., City Hall, sketches by D. G. Anderson, 718 Bway., 3 story, basement, brick, steel, rein.-con., plain found., Avenue B between 56th and 57th Sts. $500,000.

N. J., Closter — SCHOOL — Bd. Educ., Main St., sketches by Lee & Hewitt, 152 Market St., Paterson, 2 story, basement, brick, steel, rein.-con., plain found., Main and High Sts. $265,000. Noted Oct. 25.

N. J., Elizabeth—CHURCH—Church of The Most Holy Rosary, c/o J. B. Beatty, archt., 15 North Reid St., 1 story, basement, 90 x 130 ft., brick, steel, plain found. Elizabeth Ave. $200,000. Noted Nov. 29.

N. J., Jersey City—SCHOOL—Our Lady of Czvestchowa Roman Catholic Church, I. Szudrowicz, pastor, 120 Sussex St., sketches 2 story, basement, brick, steel, rein.-con., plain found., Henderson and York Sts. $200,000. Engineer and architect not selected. Noted Dec. 6.

N. J., Millville — SCHOOL — Bd. Educ. plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, rein.-con., brick, steel, plain found. $200,000. Noted Dec. 6.

N. J., Newark—MUSEUM—New Jersey Historical Society, West Park St., plans by J. H. & W. C. Ely, 605 Broad St., 3 story, basement, 118 x 120 ft., brick, steel, plain found., Broadway and Taylor Sts. $300,000.

N. J., Passaic—COMMUNITY CENTER—Ahravas Israel, M. Burg, in charge, will not construct 5 story, basement, 100 x 150 ft., brick, steel, plain found., 181 Van Houten Ave. $150,000. Project abandoned. Noted Nov. 29.

N. J., Raritan — SCHOOL — Bd. Educ., Twp. Hall, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel, plain found., Piscataway-town section. $175,000.

N. J., River Edge—SCHOOL—Bd. Educ., Boro Hall, sketches by E. Sibley, Bluff Rd., Palisade, archt., altering and constructing 2 story, basement, brick, steel, plain found. $150,000.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, will not construct 2 story, basement, brick, steel, plain found. $325,000. Project abandoned. Noted Nov. 8.

Del., Wilmington—SCHOOL—Owner, c/o Guilbert & Betelle, archts., 20 Branford Pl., Newark, N. J., sketches St. Elizabeth School, 2 story, basement, brick, steel, plain found. $150,000.

N. C., Winston-Salem—CHURCH, SUNDAY SCHOOL and PARISH HOUSE—Centenary-West End Methodist Episcopal Church, J. C. Hanes, chn. building com., plans by Mayers, Murray & Phillip, and Bertram Goodhue Associates, 2 West 47th St., New York, and takes bids in February, Gothic type, stone, brick, structural steel, rein.-con. found., West 5th St. $1,000,000. Northup & O'Brien, Starbuck Bldg., archts. for parsonage. Noted Nov. 1.

Miss., Jackson—CHURCH—Capitol Street Methodist Congregation, E. G. Flowers, chn. building com., c/o Enoch & Flowers, Ltd., bids soon 2 story, rein.-con., brick, stone, Grand and Magnolia Aves. $500,000. C. H. Lindsley, Lamar Lofe Bldg., archt.

O., Cleveland—LABORATORY—Western Reserve University, S. S. Wilson, secy., 10940 Euclid Ave., plans by C. W. Hopkinson, Rose Bldg., 3 story, 62 x 120 ft., concrete, brick, steel, Euclid Ave. $150,000.

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Buildings—Educational, Religious (Cont.)

O., Euclid (br. Cleveland)—SCHOOLS—Bd. Educ., G. E. Witmer, clk., 1550 Chardon Rd., plans by Fulton & Taylor, 8120 Euclid Ave., Cleveland, 2 story, rein.-con., brick aditions to Shore, Euclid, Upson and Noble Schools. $600,000. Noted Aug. 9.

O., Wooster — AUDITORIUM, GYMNASIUM, etc. — Wooster College, C. F. Wishart, pres., campaigning for $750,000 funds, gymnasium, auditorium, womens dormitory and power plant. D. E. Waide, 1 Madison Ave., New York, archt.

Mich., Ann Arbor — SCHOOL — St. Thomas Parish, A. Carey, pastor, plans by Donaldson & Meier, 1188 1st Natl. Bldg., Detroit, 2 story, basement, rein.-con., brick, steel, stone, plain found. $150,000.

Mich., Bloomfield Hills (Birmingham P. O.) — SCHOOL — Christ Episcopal Church, Cranbrook School, plans by Cranbrook Architectural Service, Lone Pine Rd., rein.-con., brick, steel, stone school for girls, Lone Pine Rd. $150,000.

Mich, Grand Ledge—HIGH SCHOOL—Bd. Educ. plans by J. N. Churchill, Prudden Bldg., Lansing, 2 story, basement, rein.-con., brick, steel, plain found., incl. class rooms, gymnasium, auditorium. $150,000.

Ill., DeKalb—LIBRARY—City, c/o J. W. Kingsley, mayor, sketches rein.-con., brick, stone memorial library. $150,000.

Ill., Evanston—NURSES HOME—Evanston Hospital, Ridge Ave., plans by H. B. Wheelock, 64 West Randolph St., Chicago, 4 or 6 story, 100 x 150 ft., Ridge Ave. $600,000.

Ill., Springfield—ADMINISTRATION—Concordia College, H. A. Klein, pres., 1301 Concordia Ave., bids early in 1929, 3 story, rein.-con., brick, stone administration building. $250,000. Helme & Helme, 1st Natl. Bank Bldg., archts.

Kan., Emporia — LIBRARY — Emporia Teachers College, library. $150,000 appropriation asked at next legislature.

Kan., Manhattan—EMERGENCY—Kansas State Agricultural School, Manhattan, emergency building. $200,000 appropriation asked at next legislature.

Mo., Kansas City—CHURCH—Church of Christ Scientist plans by Keene & Simpson, 1005 Land Bank Bldg., 2 story, basement, rein.-con., brick, Belleview and Ward Parkway. $150,000.

Mo., St. Joseph—SCHOOLS—Bd. Educ. plans by W. B. Ittner, 911 Locust St., St. Louis, Senior High School, Junior High School and 4 grade schools, rein.-con., brick, stone; also altering and constructing additions to existing schools. $2,180,000. Noted Nov. 1.

Ark., Fayetteville—UNIVERSITY—University of Arkansas, J. S. Futrall, pres., sketches six 2 and 3 story, rein.-con., brick, stone buildings on campus. $1,800,000.

Ark., Little Rock — HIGH SCHOOL — Bd. Educ., W. N. Brandon, secy., 8th and Louisiana Sts., bids in February or March, 3 story, basement, rein.-con., brick, stone, 18th and Ringo Sts. $300,000. Wittenberg & Deloney, Home Insurance Bldg., archts.

Tex., San Antonio—CARNEGIE LIBRARY—City, c/o C. M. Chambers, mayor, soon takes bids altering and constructing 2 story, mezzanine, rein.-con., limestone addition, Market St. $250,000. H. S. Green, c/o Alamo Natl. Bank Bldg., archt. Noted Aug. 30.

Calif., Hollister — SCHOOL — Hollister Elementary School Dist., sketches by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, group 1 story, concrete buildings. $150,000.

Calif., Mt. Diablo—SCHOOL—Mt. Diablo Union High School Dist. plans by W. H. Weeks, Hunter-Dulin Bldg., San Francisco, fireproof school buildings. $350,000.

P. E. I., Charlottetown—LIBRARY and ART GALLERY—C. Harris, executor, Mahone Bay Harris Memorial Library and art gallery. $150,000.

Que., St. Paulin—CHURCH—A. Lefleck, pastor, Catholic Church. $200,000.

Bids Asked

Mass., Boston—SCHOOL—Dec. 19 (extended date), by Schoolhouse Dpt., City Hall, 3 story ,basement, irregular sized, brick, granite, limestone, plain found., Kilmarnock and Peterborough Sts., Prince Dist. $160,000. G. E. Robinson, 80 Federal St., archt. Noted Oct. 25.

Mass., Mattapan (sta. Boston)—NURSES HOME—Dec. 20, by City of Boston, Hospital Dpt., Harrison Ave., 3 story, basement, irregular sized, rein.-con., brick, plain found., River St. $195,000. J. H. Ritchie & Associates, 250 Stuart St., Boston, archts.

Mass., Medford (br. Boston)—SCHOOL—Dec. 17, by Schoolhouse Bldg. Com. City Hall, 2 story, basement school, Hicks Ave. $150,000. W. Atherton & C. Tiffany, 148 State St., Boston, archts. Noted Aug. 30.

Mass., Norwood—HIGH SCHOOL—Dec. 24 (extended date), by W. G. Upham, archt., Washington St., Junior High School, 3 story, basement, irregular sized for Town, L. Grant, supt. schools. $175,000. Noted Nov. 22.

Mass., West Roxbury (br. Boston) — CHURCH — Holy Name Parish, W. P. McNamara, pastor, taking bids on revised plans 1 story, basement, brick, stone, plain found., Centre St. To exceed $150,000. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted Aug. 9.

R. I., Providence—CHURCH—Dec. 27, by J. F. Hogan, archt., Grosvenor Bldg., remodeling 1 story, basement, brick, stone, plain found., 994 Branch Ave. for St. Edwards Parish, E. J. Colgan, pastor. $150,000. Noted Oct. 11.

N. Y., Brooklyn—COLLEGE—Tooker & Marsh, archts., 101 Park Ave., New York, bids about Dec. 15, general contract college, for Brooklyn College of Pharmacy, 265 Nostrand Ave. $600,000. Noted Sept. 13.

N. Y., New York — CHURCH and APARTMENTS — E. Roth, archt., 1440 Bway., taking bids excavation and steel for 14 story, 162 2nd Ave., for New York City Baptist Mission Society, 276 5th Ave. $1,100,000. Noted Dec. 6.

N. J., Elizabeth—SCHOOL—Bd. Educ., 147 South Broad St., bids about Jan. 15, School 20, 2 story, basement, brick, steel, rein.-con., plain found., Magnolia Ave. near 5th St. $200,000. H. Brady, 333 North Broad St., archt. Noted Nov. 15.

N. Y., Syracuse—HIGH SCHOOL—Dec. 17, by Bd. Contr. & Supply, City Hall, Central High School, 4 story, 190 x 257 ft., brick, steel, concrete pile found., South Salina St. $400,000. A. L. Brockaway, 3rd Natl. Bank Bldg., archt. N. F. Pitts, Jr., city engr.

N. J., Little Ferry—SCHOOL—Bd. Educ., Main St., bids about Feb. 1, 2 story, basement, brick, steel addition to Washington School, plain found. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted Nov. 1.

Ind., Lawrence — SCHOOL — School Comrs., C. C. Negley, trustee, R. R. K., Indianapolis, taking bids and open same about Dec. 22, 2 story, basement, 140 x 153 ft., brick, steel, stone. $150,000. L. Hoatson, 60 West 30th St., Indianapolis, archt.

Ind., North Manchester — SCHOOL — School Comrs. C. Wright, trustee, taking bids and open same about Dec. 15, 2 story, basement, brick, steel, incl. 12 class-rooms, assembly hall, gymnasium and auditorium, in Chester Twp. $150,000. E. H. Brown, 309 1st Natl. Bank Bldg., Fort Wayne, archt. Noted Oct. 11.

Ind., South Bend—SCHOOL—Jan. 11, by School Comrs., 2 story, basement, rein.-con., brick, stone, Main St. and Lafayette Blvd. $300,000. Austin & Shambleau, 111 North Lafayette Ave., archts. Noted July 19.

Mich., Detroit—SCHOOL—Dec. 28, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Broadway Ave., 2 story, basement, 176 x 224 ft., rein.-con., brick, steel, stone, plain found., Grand River Ave. and Meyers Rd. $250,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts.

Mich., Hazel Park (br. Detroit) — SCHOOL — Dec. 22, by T. F. Davis, supt. Schools, 2 story, basement, rein.-con., brick, steel, plain found., John R. St. and Nine Mile Rd., for Bd. Educ. $350,000. Noted Oct. 11.

Mich., Highland Park (br. Detroit) — CHURCH—Dec. 17, by Lane, Davenport & Peterson, archts., 1017 Charlevoix Bldg., Detroit, superstructure 3 story, basement, 100 x 150 ft., rein.-con., brick, steel, plain found., Woodward Ave., for Highland Park Baptist Church, c/o architects.

Wash., Seattle — CHURCH — C. Frank Mahon, archt., Orpheum Theatre Bldg., bids about Feb. 3, 2 story, basement, 80 x 220 ft., stone, 18th St. N. and Aloha Sts., for St. Josephs Church, F. Van Hoomison, pastor. $250,000. Noted July 5.

Contracts Awarded

Mass., Medford (br. Boston)—CHURCH—Ripley & Le Boutiller, archts., 45 Bloomfield St., Boston, 1 story, basement, 70 x 160 ft., brick, stone, plain found., to A. B. Carter & Son, Tremont Bldg., Boston, for St. Francis of Assissi Roman Catholic Church, T. J. Golding, pastor. Est. $150,000. Noted Nov. 1.

Conn., West Hartford (br. Hartford) — HIGH SCHOOL—Town, School Bd., 4 story, 60 x 230 ft., brick, steel addition to Junior High School, plain found., to A. F. Peaslee, Inc., 15 Lewis St., Hartford, $232,000. Noted Oct. 11.

N. Y., New York — HOME — Samaritan Home for Aged, H. Davis, in charge, 414 West 22nd St., to Edward Corning Co. 204 East 39th St. Est. $175,000. Noted Oct. 25.

N. J., Raritan—SCHOOL—Bd. Educ. Raritan Twp., general contract 2 story, basement, 120 x 132 ft., brick, steel, addition, plain found., Amboy St. to H. Greisen, 175 Smith St., Perth Amboy., plumbing to Adams & Mulready, 431 Raritan Ave., Highland Park; heating to Jensen & Rodner, Fords, est. $150,000. Noted Nov. 29.

N. J., West Orange—SCHOOL—Fanning & Shaw, archts., 49 Ward St., Paterson, general contract 2 story, basement, 60 x 158 ft. brick, steel, plain found., to G. D. McCarthy, 55 West 42nd St., New York, for Our Lady of Lourdes Roman Catholic Church, N. A. Marnell, pastor, 1 Eagle Rock Ave. Est. $150,000. Noted Oct. 25.

Pa., Greensburg — PHYSICAL EDUCATIONAL—Seton Hill College for Women, general contract 1 and 2 story, brick, steel, to Duquesne Constr. Co., Cypress and Aspen Sts., Pittsburgh. Est. $150,000.

Md., Baltimore—PHYSIOLOGY—Archer & Allen, archts., Central Savings Bank Bldg., Allen, archts., Central Savings Bank Bldg., 6 story, basement, 71 x 96 ft., rein.-con., brick, steel addition, to Cogswell-Koether Co., 406 Park Ave., for Johns Hopkins University, Wolfe and Bway. Sts. Noted Nov. 22.

Mich., Detroit—CONVENT—J. W. O'Connor, archt., 162 East 37th St., New York, 3 story, basement, 46 x 198 ft., rein.-con., brick, stone, plain found., to Martin & Krausmann, 955 East Jefferson Ave., for Societie Marie Repartrice, 69 Burlingame Ave. Noted Nov. 1.

Ill., Chicago—GYMNASIUM—Armstrong, Furst & Tilton, archts., 129 North Dearborn St., general contract 1 and 2 story, incl. shower and locker rooms, 25 x 60 ft. natatorium, Kenwood Ave. near Midway, to Bulley & Andrews, 2040 West Harrison St., for University of Chicago, 189 West Madison St. Est. $400,000.

Ill., Park Ridge—HIGH SCHOOL—Main High School Bd. School Dirs., c/o C. Rhodes, 340 West Harrison St., Chicago, general contract 2 story, rein.-con., brick, stone, to H. A. Hanson Constr. Co., 608 South Dearborn St., Chicago; plumbing, to J. I. Elliott, 4422 Cottage Grove Ave., Chicago; for Bd. Educ. Est. $400,000. Noted Oct. 6, 1927.

Ark., North Little Rock (Ind. br. Little Rock) — SCHOOL — Bd. Educ., W. H. Phipps, secy., 4 story, basement, concrete, stone, to W. Peterson Co., Little Rock, $294,987. Noted Oct. 11.

Federal Government Work

Proposed Work

R. I., Newport—REPAIRING DERRICK—Spec. 5620 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., at U. S. Naval Station.

Tex., Brownsville—CHANNEL WORK—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Bids Asked

Delaware and Maryland—DREDGING—Jan. 4, by U. S. Engineer Office, Wilmington, Del., 120,370 cu. yd. for two turning basins in Inland Waterway from Delaware River to Chesapeake Bay (Chesapeake and Delaware Canal); adv. E. N.-R. Dec. 13. Noted Nov. 15.

O., Chillicothe — INFIRMARY, etc. — Jan. 8, by U. S. Veterans' Bureau Arlington Bldg., Wash., D. C., infirmary building, laundry, walks and drainage at U. S. Veterans' Hospital.

Bids Received

Va., Norfolk—WHARF—U. S. Engineer Office, Nov. 17, timber wharf and granolithic walk at Jamestown Island, from W. L. Jones Constr. Co., Elizabeth City, N. C., $15,699 (120 days). Noted Oct. 25.

Fla., Pensacola—BRIDGE—Spec. 5646—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Dec. 5, 1,800 ft. bridge between here and Naval Air Station, from Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., concrete piling $1.80 per ft., splices for composite piles at $30 each, rest of work, incl. test piles and leads $89,160; from J. W. Eley, Pensacola, wooden piling $0.75 per ft. Noted Nov. 1.

Ill., Maywood — FENCE and ROAD — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Dec. 4, gatehouse, fence and road at Edward Hines, Jr. Hospital, from Suburban Paving & Impvt. Co., 205 West

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Federal Government Work (Continued)

Walker Dr., Chicago, Ill., $33,600. Noted Nov. 15.

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 461 Market St., San Francisco, Nov. 20, grading Alder Creek-Eleven-Mile Sect., Wawona Rd., Mariposa Co., from LeTourneau & Lindberg, Stockton, $63,837.

Contracts Awarded

Mass., Chelsea (br. Boston)—HOSPITAL—Treas. Dpt. at office Supervising Archt., Wash., D. C., addition to nurses home, U. S. Marine Hospital, to S. Glazer, Everett, $7,800. Noted May 31.

Pa., Lancaster — POST OFFICE—Treas. Dpt. at office Supervising Archt., Wash., D. C., 2 story, basement post office, to A. Blair, 1st Natl. Bank Bldg., Montgomery, Ala., $360,636 (450 days). Noted Dec. 6.

Delaware and Maryland — DOLPHINS, etc. — U. S. Engineer Office, Wilmington, Del., Nov. 26, mooring dolphins and walks along Inland Waterway from Delaware River to Chesapeake Bay (Chesapeake and Delaware Canal), from General Contg. Co., Inc., head North 8th St., Camden, N. J. at $0.58 per lin.ft. Noted Nov. 1.

Louisiana—REVETMENT—U. S. Engineer Office, New Orleans, to H. A. Schoenberger, Triumph, wooden revetment in Barataria and Lake Borne Levee Dists. $6,895, to E. Winfield, Gravoly, Pointe-a-la-Hache, St. Rosalie Levee, $5,841, Ollie Levee $8,556, Myrtle Grove Levee $13,851, Monseeour Levee $5,334; Suburban Club Levee, $14,193, Chalmelte Cemetery, $3,120, and Upper Pointe-a-la-Hache Levee $2,020. Grand total $59,810.

Ind., Anderson — EXTENSION — Treas. Dpt. at office Supervising Archt., Wash., D. C., extending and remodeling U. S. Post Office, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $122,485 (425 days). Noted Dec. 6.

Ill., Rock Island—ROCK and BRUSH—U. S. Engineer Office, furnishing and placing rock and brush in Mississippi River to C. Pope, Dubuque, Ia., $17,574; to E. G. Sigfriend, Cassville, Wis., $6,250, to F. J. Saengling, Guttenberg, Ia., $18,268; to E. Eberhard, Guttenberg, Ia., $58,917; and to C. C. Outnam, Bellevue, Ia., $20,154. Grand total $121,164.

Ia., Newton — POST OFFICE — Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office, to McGough Bros., St. Paul, Minn., $109,561 (400 days). Noted Nov. 29.

N. M., Santa Fe—EXTENSION—Treas. Dpt. at office Supervising Archt., Wash., D. C., remodeling and extending U. S. Court House, to J. V. Grogan, East Las Vegas, $164,432 (450 days). Noted Nov. 29.

Calif., San Diego — REFRIGERATION BASES, etc. — Spec. 5747 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerator bases and machines, to Frigidaire Corp., 1313 New York Ave., Wash., D. C., $2,292 (60 days). Noted Nov. 22.

Unclassified

Proposed Work

STADIUM—**Jersey City, N. J.**—Bd. Commissioners, City Hall, rein.-con., 15,000 seating capacity stadium, near Boyles Thirty Acres, Montgomery St. $50,000. Engineer and architect not selected.

SWIMMING POOL, etc.—**Seaside, N. J.**—Arlington Beach Bathing Co., c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, 75 x 100 ft., rein.-con., glazed brick swimming pool, one hundred 1 story bath houses, 500 locker rooms. $150,000. Noted Nov. 22.

LIGHTING SYSTEM, etc. — **Statesville, N. C.** — City sold $270,000 bonds, lighting and sewerage systems, etc.

GRADE SEPARATION—**Detroit, Mich.**—Wayne Co. Road Com., Barlum Tower Bldg., viaduct for carrying Fort St. over railroads, Fort St. $1,200,000.

SWITCH SYSTEM—**Port Huron, Mich.**—Detroit Edison Co., 2000 2nd St., Detroit, outdoor switching system, concrete found., Bunco Creek Power Plant. $300,000. Private plans.

SKATING RINK — **Champaign, Ill.** — State Athletic Assn., G. Huff, dir. new gymnasium building, Champaign, soon takes bids 1 story, rein.-con., brick, 5th and Armory Sts. $200,000. Holabird & Root, 333 North Michigan Ave., Chicago, archts.

GOLF COURSE, etc.—**Glenview, Ill.**—See "Buildings—Commercial."

GRAIN ELEVATOR—**Kansas City, Kan.**—Wood Bros. Corp., Kansas City, Mo., grain elevator, rein.-con. $1,000,000. Private plans.

SUBWAY—**St. Louis, Mo.**—See "Streets and Roads."

UNDERGROUND TELEPHONE SYSTEM — **Alva, Okla.** — Southwestern Bell Telephone Co., 3rd St. and Bway., Oklahoma City, changing overhead wire system to underground cable system. $60,000. Private plans.

UNDERPASS—**Ponca City, Okla.**—City preliminary plans 1 span 160 x 40 ft., rein.-con. underpass under Santa Fe R.R. at Highland Ave. $75,000. H. W. Crawford, Ponca City, engr.

UNDERGROUND CABLE—**Las Animas, Colo.**—See "Buildings—Commercial."

HYDRO ELECTRIC—**Denver, Colo.**—Jones Bros., c/o R. M. Jones, engr., 2325 West St., Pueblo, 30,000 kilowatt hydro-electric plant North St. Vrain canyon between Copeland Park and Lyons, Colo. $5,000,000. Private plans.

WATER POWER DEVELOPMENT—**St. Jerome, Que.** — Regent Knitting Mills Ltd., 1202 St. Law Bldg., Montreal, water power development on North River. $65,000.

TRANSFORMER—**New Toronto, Ont.**—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, 3,000 kva., 3 phase 25 cycle 2,200 to 110,000 volts in New Toronto sub-station. F. A. Gaby, c/o owner, ch. engr.

Bids Asked

OIL TANKS—**North Weymouth** (Ind. br. Boston), **Mass.**—See "Contracts Awarded."

BOILER, etc. — **Central Islip, N. Y.** — Jan. 9, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, additional boiler, stack and equipment for central heating plant, Central Islip State Hospital; adv. E. N.-R. Dec. 13.

REFRIGERATION EQUIPMENT — **Marcy, N. Y.**—Jan. 9, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, refrigeration equipment, Dining-Kitchen Unit, Marcy Div., Utica State Hospital; adv. E. N.-R. Dec. 13.

SUBWAY—**New York, N. Y.**—Dec. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Sect. 5, Route 106, Rapid Transit R.R. along and under Grand Blvd. and Concourse from point near East 183rd St. to point near East Kingsbridge Rd.

TRACKS, etc.—**New York, N. Y.**—Dec. 21, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks and contract rail for part of Rapid Transit R.R.

REFRIGERATION EQUIPMENT—**Rochester, N. Y.** — Jan. 9, by Commissioner Dpt. Mental Hygiene, Albany, refrigeration equipment, kitchen and dining room, Building 3, Rochester State Hospital; adv. E. N.-R. Dec. 13.

COMFORT STATION—**Rockaway Park** (Ind. sta. Far Rockaway), **N. Y.**—Dec. 18, by Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, comfort station. Noted Aug. 23.

ELECTRIC GENERATOR—**Rome, N. Y.**—Jan. 9, by Commissioner Dpt. Mental Hygiene, Albany, electric generator for Rome State School; adv. E. N.-R. Dec. 13.

STEEL STANDARDS, etc.—**Paducah, Ky.**—See "Contracts Awarded."

TUNNEL—**Apple Creek, O.**—See "Buildings—Industrial."

LIGHTING SYSTEM — **Chicago, Ill.** — Dec. 19, by West Chicago Park Comrs., Garfield Park, ornamental lighting system on Augusta Blvd. between North Kedzie and west line Elston Aves. J. D. Robertson, pres.

CARS—**St. Louis, Mo.**—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., taking bids 2,000 box, 500 coal, 500 stock, and 40 all-steel passenger train cars, 60 cabooses.

SWIMMING POOL—**Beverly Hills, Calif.**—Dec. 26, by City Council, 45 x 150 ft., main pool 45 x 12 ft., wading pool, concrete, tile, chlorination and filtration systems will be installed. $65,000.

FIRE ALARM SYSTEM, SUBWAY, INCINERATORS—**Montreal, Que.**—City Council orders referendum on Jan. 8, 9, 10, for $3,700,000 inclusive of $1,500,000 for fire alarm system, $880,000 subways under the Canadian Pacific R.R., $550,000 incinerators, $300,000 combined fire and police stations at Henry and Notre Dame de Grace. Noted Feb. 16.

WHARF—**Cobourg, Ont.**—Dec. 27, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, reconstructing Esplanade Wharf. $30,000.

Contracts Awarded

BUS TERMINAL—**Fall River, Mass.**—Interstate Ltd. Motor Coach Co., A. P. Russell, South Station, Boston, 1 story, bus terminal, brick, to Greany & Sherry, Inc., 825 Davol St. Est. exceeds $25,000. Noted Dec. 6.

OIL TANKS—**North Weymouth** (Ind. br. Boston), **Mass.**—Standard Oil Co. of New York, Park Sq. Bldg., Boston, eight 45 x 125 ft. and one 45 x 100 ft. oil tanks, steel, two 2,000 gal. underground tanks, 60 x 100 ft., concrete garage, Fore River Section, separate contracts. Private plans.

CENTRAL HEATING PLANT — **West Hartford** (br. Hartford), **Conn.** — St. Thomas Seminary, M. F. McAuliffe, pastor, brick, stone central heating plant, to W. H. O'Neill, 983 Main St., Hartford. Est. $25,000.

STEEL STANDARDS, etc.—**Paducah, Ky.**—Kentucky Utilities Co., installing steel standards for trolley wires and street lamps, also 58 street lamps, day labor. $40,000. W. F. Bradshaw, city engr.

GRADE SEPARATION—**Michigan**—C. L. Cowgill, resident engr. Plymouth, approaches to grade separation on 0.341 mi. FOSI-19, C-8, Washtenau Co., to O. J. Trusdeau, 5203 Wabash St., Detroit, for State Hy. Dpt., Lansing. $36,259.

LOADING DOCK — **Detroit, Mich.** — A. Kahn, archt., 1000 Marquette Bldg., 15 x 600 ft. concrete slab loading dock on concrete piers, 2,200 ft. steel tracks for approach to dock, to W. E. Wood Co., 1805 Ford Bldg., for Dodge Bros. Division, Chrysler Corp., 341 Massachusetts Ave. Est. $50,000. Noted Nov. 29.

CULVERTS—**Montezuma, Ia.**—Poweshiek Co., 24 culverts to A. Emmert, Grinnell, $9,450; 10 culverts, to Christensen Bros., Tyler, Minn., $6,200; 19 culverts and high truss bridge, to Metropolitan Bridge Co., Omaha, Neb., $12,236. Grand total $27,886.

GRAIN ELEVATOR—**McPherson, Kan.**—Wall-Ragalsky Elevator Co., 150,000 bu., rein.-con. elevator, to Jones-Hettelsater Constr. Co., 708 Mutual Bldg., Kansas City, Mo. Est. $40,000. Noted Oct. 4.

OIL PIPE LINE—**Texas and Illinois**—Texas-Empire Pipe Line Co., Bartlesville, Okla., 3,358,000 ft. 12¾ in. pipe weighing 72,000 tons or 2,800 carloads for 636 mi. oil pipe line from Mid-Continent Oil fields in Texas to Chicago, Ill., to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis. Total est. $15,000,000. Noted Nov. 22.

PIPE LINE—**Texas**—Shell Pipe Line Co., c/o Shell Bldg., St. Louis, Mo., furnishing 40,000 tons 10 in. electrically welded steel pipe for 100 mi. pipe line, to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis.

LAND DEVELOPMENT—**Crystal City, Tex.**—Jackson & Pullian, Crystal City, developing 6,000 acre sub-division near here, incl. grading and road building. $40,000. Owners build. Private plans.

TANKS — **Pampa, Tex.** — Texas Corp., Houston and Port Arthur, 588 tons structural steel for two 80,000 bbl. tanks, near here, to Phoenix Iron Wks., Meadville, Pa.

CARS, etc. — **Hamilton, Ont.** — Canadian Pacific R.R., Windsor Sta., Montreal, Que., and Canadian Natl. R.R., St. James St., Montreal, Que., 1,000 box cars, 50 express refrigerator cars, 200 automobile cars, 2 sleeping cars and 2 parlor cafe car frames, 300 flat cars, to National Steel Car Co. Ltd., Kenilworth Ave., N. $5,600,000.

Materials

Bids Asked

FUEL OIL, etc.—**Long Island City, N. Y.**—Dec. 19, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 800,000 gal. fuel oil; 533 tons quick lime; 40,000 gal. fuel oil, navy standard; 20,000 gal. furnace oil.

CORPORATION COCKS, etc. — **New York, N. Y.**—Dec. 17, by P. J. Dooling, comr. Purchase, Municipal Bldg., corporation cocks and hydrant parts for Dpt. Water Supply, Gas & Electricity; metals and castings to Dpts. Correction, Parks, Pub. Welfare, Street Cleaning, Water Supply, Gas & Electricity; hardware, nails, bolts, nuts, washers, rivets and screws.

GRAVEL, etc.—**Louisiana**—Dec. 21, by State Hy. Comn., Reymond Bldg., Baton Rouge, washed and screened gravel, sand-clay gravel, reef shell, clam shell, crushed limestone, slag and sand for Maintenance Dpt. during January 1929. J. M. Fourmy, Baton Rouge, hy. engr.

BRIDGE LUMBER—**Montezuma, Ia.**—Dec. 18, at office Auditor Poweshiek Co., 7 cars standard sawed bridge lumber. C. E. Olson, Montezuma, co. engr.

Foreign

South America, Chile, San Fandiago—Bd. Foreign Missions of Methodist Church, 150 5th Ave., New York, N. Y. plans girls college, here. $300,000. Engineer and architect not disclosed.

See proposal advertising on page 127

Constr. News page 323

UNIT PRICES

Viaduct—Youngstown, O.

Board of Directors of Mahoning Valley Sanitary District, 901 City Bank Bldg., opened bids Oct. 5, Ohltown Viaduct and approach road, Contract 10. Project includes nine-span reinforced-concrete arch bridge across valley of Meander Creek, Weathersfield Township, at point about a quarter of a mile south of settlement of Ohltown, together with approach roads connecting with Austintown-Warren Rd. on east and Vandivort Rd. on west. Involves 37,800 cu.yd. excav. and 10,400 cu.yd. concrete masonry. Seventeen bids were received. Unit prices of lowest six and highest bidders, together with average prices of lowest six and average of all bids are given below. Bidders are: (A) Pitt Construction Co., 913 Empire Bldg., Pittsburgh; (B) A. Guthrie & Co., Inc., St. Paul, Minn.; (C) Price Brothers Co., Dayton, O.; (D) Porterfield-Binger Construction Co., Youngstown; (E) H. E. Culbertson Co., Cleveland; (F) Miller-Taylor Construction Co., Waterloo; (G) Folwell Engineering Co., Chicago. W. H. Dittoe, chief engineer. G. Gale Dixon, deputy chief engineer.

	A	B	C	D	E	F	G	Average of Unit Prices 6 Lower Bids	All Bids
1,000 cu.yd. sheeting and bracing, cofferdams and pumping	$1,000.00	$10,000.00	$6,000.00	$12,500.00	$2,000.00	$11,265.00	$20,000.00	$7,127.50	$9,639.41
7,700 cu.yd. removal of topsoil	.50	.35	.50	.60	.50	.40	1.10	.48	.61
28,000 cu.yd. earth excav. for structures	1.50	.70	.90	.60	1.50	1.00	1.34	1.03	1.40
1,100 cu.y. earth excav.—grading and borrow	.40	.40	.65	.50	.50	.54	.75	.50	.59
3,700 lin.ft. rock excavation	2.50	3.75	5.50	5.00	2.50	4.00	5.35	3.88	3.83
1,100 cu.yd. finishing shoulders, slopes and ditches	.30	.50	.40	.15	.12	.13	.30	.27	.26
1 acre placing loam	.50	1.00	1.00	.80	.75	.54	1.80	.76	.92
330 cu.yd. seeding	200.00	250.00	400.00	200.00	200.00	250.00	500.00	250.00	246.46
3,300 sq.yd. screened gravel backing	3.00	2.60	3.25	3.00	3.50	3.00	4.75	3.06	3.35
16,000 bbl. stone slope paving	3.50	3.00	3.30	3.50	3.75	4.50	7.35	3.60	3.96
1,650 cu.yd. portland cement	2.50	2.25	2.50	2.18	2.25	2.25	3.24	2.32	2.57
5,300 cu.yd. conc. masonry—in abutments	10.00	9.75	9.30	11.00	9.75	8.00	12.50	9.63	11.91
2,150 cu.yd. conc. masonry—in piers	10.00	10.50	9.00	11.00	10.25	8.00	12.50	9.80	11.67
1,100 cu.yd. conc. masonry—in arch-ring	15.00	16.50	15.30	15.00	18.75	20.00	15.85	16.76	19.38
100 cu.yd. conc. masonry—in spandrel and wing walls	20.00	16.50	15.10	16.50	17.50	18.00	18.40	17.27	19.05
500,000 lb. conc. masonry—miscellaneous	30.00	30.00	20.00	16.50	15.00	20.00	36.75	21.92	19.27
6,600 sq.ft. steel reinforcement	.04	.04	.425	.05	.045	.04	.0515	.043	.045
12,000 sq.ft. bush hammering	.04	.08	.15	.075	.20	.15	.37	.116	.156
Special rubbed finish	.05	.10	.10	.125	.06	.10	.12	.089	.094
800 lin.ft. viaduct railing (lump sum)	8,500.00	9,240.00	9,890.00	7,865.00	5,000.00	12,000.00	21,750.00	8,749.16	11,083.35
3,400 sq.yd. structural expansion joints	2.00	1.10	1.25	1.50	.90	1.25	1.10	1.33	1.27
1,800 sq.yd. waterproofing type "A"	.60	.95	.65	.40	.95	.40	1.33	.66	.79
3,800 cu.yd. waterproofing type "B"	1.25	2.35	1.80	1.00	2.45	1.50	3.30	1.72	2.00
12,500 sq.yd. spandrel fill	.95	1.70	1.55	1.40	1.50	2.00	4.40	1.51	1.75
2,200 lin.ft. bituminous macadam road surfacing	1.50	1.75	2.40	2.00	2.20	2.30	3.38	2.02	2.31
1,600 lin.ft. timber curb guard	.20	.10	.25	.25	.30	.20	.45	.22	.29
6,200 lin.ft. highway guard rail	.75	.85	.60	.70	.80	1.00	1.15	.78	.87
5 tons electric conduit	.25	.16	.17	.15	.20	.22	.45	.19	.29
5,500 lb. cast iron pipe	80.00	50.00	100.00	70.00	100.00	100.00	147.00	83.33	90.70
Miscellaneous iron castings	.10	.15	.10	.06	.10	.06	.12	.095	.098
Totals	$272,604	$284,226	$289,287	$289,895	$292,379	$295,084	$417,367		

Engineering News-Record, Issue of December 13, 1928

Road—Ft. Scott, Kan.

Bourbon Co. opened bids Aug. 30 grading and bituminous macadam paving on F. A. P. 335A, 4.499 mi. long, 18 ft. wide, 8 in. base and 2½ in. wearing surface. Bidders are: (A) O. O. Fuller, Nevada, Mo., (awarded contract); (B) Reed & Wheelock, Pittsburg; (C) Nevada Construction Co., Nevada, Mo.; (D) Thogmartin & Son. H. C. McCinley, engineer.

	A	B	C	D
33,134.3 cu.yd. excav. in earth	$0.40	$0.40	$0.45	$0.50
2,991.3 cu.yd. excav. in borrow	.40	.30	.45	.40
291.8 cu.yd. excav. in rock	1.50	.30	1.85	2.00
323.3 cu.yd. conc. class A	19.00	18.50	19.00	19.50
7.00 cu.yd. conc. class E	40.00	40.00	35.00	35.00
28,990.0 lbs. reinf. steel	.05	.045	.05	.05
840 lin.ft. guard fence	.80	.80	.85	.70
194 lin.ft. 15 in. culvert metal pipe	2.00	2.00	2.75	2.00
160 lin.ft. 18 in. culvert metal pipe	2.50	2.50	3.40	2.40
280 lin.ft. 24 in. culvert metal pipe	4.00	4.00	4.60	2.90
20 lin.ft. 36 in. culvert metal pipe	6.00	6.00	5.35	5.10
143.53 sta. hedge removal	.10	.10	.10	.10
176 lin.ft. blind drains	.15	.10	.15	.20
6 hog wire wash checks	4.00	10.00	4.25	6.00
48,075.0 sq.yd. pavement	1.23	1.24	1.20	1.29
120,187 gal. bitumen	.14	.15	.15	.15
840 sq.yd. rip-rap	1.10	.75	1.50	1.25
200 roller hours	2.00	1.00	2.45	2.50
Totals	$111,037	$111,944	$113,562	$118,896

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Bridge—Arizona

State Highway Commission, Phoenix, opened bids Oct. 8, Hassayampa Bridge on Phoenix-Yuma Highway, F. A. P. 71. Lowest three and highest bidders are: (A) E. S. Johnson, Pasadena, Calif., (awarded contract); (B) Wickes Engineering & Construction Co., Des Moines; (C) Levy Construction Co., Denver; (D) Lee Moor Construction Co., El Paso, Tex.

	A	B	C	D
100 sq.yd conc. pav. (C.I.P.)	$3.00	$3.00	$3.00	$3.50
164 cu.yd. borrow (fill inside abuts.)	1.00	1.50	0.80	1.00
573 cu.yd. borrow (fill outside abuts.)	0.50	0.75	.40	0.35
940 cu.yd. excav. (Unclass.)	1.50	11.00	6.30	8.50
24 cu.yd. class "AA" conc. (C.F.C.)	50.00	30.00	58.00	75.00
1,158 cu.yd. class "A" conc. (C.F.C.)	21.50	22.00	26.00	25.00
145,765 lb. rein. steel (C.I.P.)	.06	.05	.0515	.06
28 roller bridge seats (C.I.P.)	40.00	45.00	59.00	60.00
102 cu.yd. removing old conc.	5.00	7.00	6.60	6.00
Dismantling and piling steel spans	1,000.00	400.00	600.00	1,000.00
Removing and salvaging pile trestle	250.00	100.00	275.00	400.00
Totals	$39,883	$47,274	$48,789	$51,892
10% engineering and contingencies	3,988	4,727	4,878	5,189
Grand totals	43,871	52,001	53,668	57,081

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CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Terminal facilities, Jersey City, N. J., Pennsylvania R.R. Co., Phila., Pa., soon takes bids, $40,000,000.

Archives, Wash., D. C., Treas. Dpt., at office Supervising Archt., tentative sketches, $8,750,000.

Oil pipe line, Texas, American Maracaibo Oil Co., New York, preliminary plans, $7,000,000.

Hotel, Jersey City, N. J., Thomas, Martin & Kilpatrick, engrs. and archts., Phila., Pa., will award contract about Mar. 15, for owners, $5,000,000.

Theatre, Office, etc., Newark, N. J., A. M. Greenfield, M. Bachlin, in charge, sketches, $5,000,000.

Power plant, South Amboy, N. J., Jersey Central Power & Light Co., Morristown, subsidiary National Light & Power Co., New York, $5,000,000.

University, Columbia, Mo., University of Missouri, $2,601,000.

Excavation, Brownwood, Tex., Brown Co., Water Control & Impvt. Dist. 1, $2,500,000.

Passenger station, Omaha, Neb., Union Station Co., bids in spring, $2,500,000.

Bridge, Illinois and Kentucky, Cairo & Kentucky Bridge Co., c/o H. M. Byllesby & Co., Chicago, Ill., soon takes bids, $2,000,000.

Office and garage, San Antonio, Tex., J. M. Mix, soon lets contract, $1,500,000.

Sewage disposal plant, Bay Shore, N. Y., Sewerage Comn., bids probably in May, $1,500,000.

College and residence, Toronto, Ont., Victoria College, $1,500,000.

Filtration plant, Ottawa, Ont., voted, $1,315,000.

Hospital, Newark, N. J., Newark Memorial Hospital, $1,250,000.

Power plant, Portland, Ore., Northwestern Electric Co., $1,200,000.

College, Los Angeles, Calif., Mt. St. Mary's College, $1,000,000.

Plant, Birmingham, Ala., Pullman Car & Mfg. Co., Chicago, Ill., to exceed, $1,000,000.

Museum, New York, N. Y., Museum of City of New York, $1,000,000.

Bids Asked

Bank, etc., Minneapolis, Minn., Jan. 3, by Northwestern Nat'l Bank Building Co. and L. S. Donaldson Co., $4,000,000.

Office, Seattle, Wash., United Exchange Building Inc., bids about Feb. 1, $3,500,000.

Bridge, Chicago, Ill., Bd. Local Impvts. bids about Jan. 14, $2,900,000.

County-City building, Seattle, Wash., Jan. 10, by Comrs. King Co., $2,210,000.

American Legion Memorial, San Francisco, Calif., San Francisco Memorial Com., bids about Jan. 5, $2,000,000.

Medical, Wash., D. C., G. A. Diddeau, archt., taking bids for Georgetown University, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 327a.

Apartment, Brooklyn, N. Y., Garfield Park Corp., A. W. Barler, taking bids on separate contracts, $1,000,000.

Hospital, Chicago, Ill., J. W. McCarthy, archt., soon lets contract for Little Company of Mory, $1,000,000.

Bids Received

Steamships, New York, N. Y., American Export Lines, from H. B. Spear, Norfolk, Va., at $1,990,750 each.

Contracts Awarded

Apartment, St. Louis, Mo., Park Plaza Building Corp., separate contracts, $5,000,000.

Refrigerator cars, St. Louis, Mo., American Refrigerator Transit Co., to Pressed Steel Co., Chicago, Ill., to exceed $3,000,000.

Hangar, Akron, O., Goodyear Zeppelin Corp., to Clemer & Noah, Akron, est., $2,000,000.

Arena, Newark, N. J., Newark Garden Corp., New York, general contract to Blumenthal Associates, New York, est., $1,507,000.

State office, Albany, N. Y., A. E. Smith, governor and chn. State Building & Site Comn., general contract to Seglin-Harrison Constr. Co., Buffalo and others totaling, $1,991,016.

Factory, Kearny (sta. Arlington), N. J. Western Electric Co., New York, general contract to Austin Co., New York, est., $1,250,000.

Hotel, Victoria, B. C., Canadian Pacific Ry., Montreal, Inc., to Carter-Halls-Aldinger Co., Ltd., Vancouver, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

O., Cincinnati—Hamilton Co., 55,567 ft. 4- to 12-in. mains in Water Supply Line 110, Dists. 1, 2, 3, 7 and 8. $101,620. L. C. Boyatt, Court House, engr.

O., Spencerville—Clerk of Bd. soon takes bids wells, distributing system, elevated tank, pump house. $45,000. G. Champe, Security Bank Bldg., Toledo, engr.

O., Woodville—Clerk of Bd. soon takes bids wells, distributing system, elevated tank, pump station. $55,000. G. Champe, Security Bank Bldg., Toledo, engr.

Okla., Blackwell — Preliminary plans water supply, incl. dam across Chickasha River. $25,000. W. Ritzhaupt, Blackwell, engr.

Okla., Sailing—Surveys new waterworks. $25,000. E. W. Gantt & Co., 1115 West Main St., Oklahoma City, engrs.

California—California Water Service Co., 111 Sutter St., San Francisco, granted permit to appropriate 50 cu.ft. sec. and 22,000 acre ft. water from lower Sacramento River, to supply towns Crockett, Port Costa, Martinez, Concord, Avon, Bay Point, Pittsburg and Antioch, Contra Costa Co. Est. $5,555,000. Noted Sept. 20.

Sask., Regina—Township Council, completing aqueduct. $140,000. Noted May 17.

Ont., Ottawa—Voted to improve mechanical filtration plant. $1,315,000.

Que., Jonquiere—A. Gautluer, mayor, installing filtration plant. $100,000.

Bids Asked

N. Y., New York — Dec. 28, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., repairing, altering settings Geary Water Tube Boilers 1 and 2, at 179th St. and Amsterdam Ave. Pumping Station.

O., Weston—Feb. 1, by A. Pettit, clk., wells, distributing system, elevated tank, pump house. $45,000. G. Champe, Security Bank Bldg., Toledo, engr.

Tex., Mercedes—Central Power & Light Co., c/o Frost Bldg., San Antonio, F. Ludden, dist. mgr., taking bids 2 story, rein.-con., brick, hollow tile filtration plant. $50,000. Private plans.

Plaster, metal lath, etc.

Wash., Toledo—Bids about Jan. 10, rebuilding waterworks, incl. enlarging reservoir to 60,000 gal. capacity, 20,000 ft. 4- to 8-in. c.i. mains. $25,000 voted for same. Burwell Bantz, Chehalis, engr. Noted Nov. 22.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Wash., Tukwila—Jan. 3, by City Clerk, 9,000 ft. 4 in. steel supply line, 150,000 gal. elevated wood stave tank, 3,000 ft. 3- to 3-in. wood mains for waterworks. $38,000. J. D. Blackwell, Lumber Exch. Bldg., Seattle, engr.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenue Q, Ditmas, Flatbush, Foster and Miller Aves., to Knight & DeMicco, Inc., 4197 Park Ave., New York, $8,411. Noted Dec. 6.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arlington, Benedick, Bronxwood Aves., to Knight & DeMicco, Inc., 4197 Park Ave., $10,325. Noted Dec. 6.

Maryland — Wash. Suburban Sanitary Com., P. R. H. Duckett, pres., Evans Bldg., Wash., D. C., furnishing 10,000 ft. 6 in., 5,000 ft. 8 in. and 1,200 lin.ft. 10 in. c.i. pipe in Montgomery and Prince George Counties, to Amer. Cast Iron Pipe Co., Acipco, Birmingham, Ala.

Mich., Detroit — D. C. Grobbel, acting secy. Dpt. Water Supply, Water Board Bldg., 40 m.g.p.d. motor driven centrifugal pump, to Worthington Pump & Mchy. Corp., 2 Park Ave., New York, $21,926.

Mich., Detroit — Secretary Bd. Water Comrs., twenty-four 24 in. and twelve 48 in. gate valves to Michigan Valve & Fdry. Co., Clayton and Parkinson Aves., at $450 and $1,805 respectively; twelve 36 in. valves to Chapman Valve Mfg. Co., 610 Empire Bldg., at $970 each.

Sewers

Proposed Work

N. Y., Bay Shore—Sewerage Comn., H. McWhorter, chn. bids probably in May, sewage disposal plant. $1,500,000. A. J. Provost, Jr., 41 West 38th St., New York, engr. Noted Mar. 1.

N. C., Charlotte—Outfall sewer $219,015, sewer lines, to Briar Creek outfall, $70,858, other sewer lines $200,197. R. L. Brown, comr. P. Wks.

O., Dayton—Soon takes bids 60 in. rein.-con. or vitr. storm sewer in Leonard St. $30,000. J. F. Hale, city engr.

See proposal advertising on page 122

Constr. News page 325

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

Mich., Dearborn—For 9,931 ft. 6½ ft. to 9 ft. concrete Southeast trunk sewer, concrete pumping station. R. H. Erley, city engr.

Mich., Detroit — Dpt. P. Wks., 12- to 24-in. concrete or vitr. lateral sewers in districts, incl. Lahser, Meyers, Lumley, Dale, Salem and Dean Aves. $63,000. P. A. Fellows, City Hall, engr.

Wis., Chetek—City, c/o B. Sarter, clk., complete sewerage system. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Wis., Milwaukee—Sewerage Comn., 508 Market St., 1,950 ft. 36 in. c.i. pipe syphon in Watertown Plank Rd. $50,000. R. Cramer, c/o owner, ch. engr.

Ia., Lake City — Sewage disposal plant, $25,000. W. E. Buell & Co., Sioux City, engrs.

Ark., Beebe—City, c/o H. Neely, atty., Searcy, sewerage system. $36,618.

Bids Asked

N. Y., Long Island City — Dec. 28, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Astoria, Polk, Birdsall and Forest Aves., Laconia, 85th, 96th and 107th Sts.

Md., Baltimore—Dec. 26, by Bd. Awards, sanitary sewers in Sewer Dists. G-12 and G-13, Sanitary Contr. 215, for Mayor and City Council. M. J. Ruark, sewerage engr.

D. C., Wash. — Dec. 27, by District Comrs., District Bldg., sewers.

O., Akron—Dec. 27, by F. E. Swineford, dir. P. Serv., 3,485 ft. 54 and 57 in. vitr. clay, segmental block trunk sewer in Little Cuyahoga River Intercepter between East North and Arlington Sts. A. B. Backherms, Municipal Bldg., engr. Noted Nov. 22.

O., Wooster—Dec. 21, by A. H. Wedge, city engr., and Director P. Serv., replacing 1,200 ft. 12 in. old with 15- to 24-in. sewer in Christmas Run Valley. Noted July 26.

Mo., California — Bids about Jan. 11, sewers in 4 additional districts. $25,000.

Ont., Hamilton—Jan. 16, by A. Kent, city clk., sewage disposal equipment, self cleaning coarse bar screens, grip collecting apparatus, sludge collectors. $190,000.

Okla., Pawhuska — Dec. 24, by C. M. Hirt, city clk., extending 14,000 ft. 18 in. vitr. clay sewer in Sanitary Sewer Dist. 11. $25,000. J. M. Buckley, Pawhuska, engr.

Ont., Toronto—See "Contracts Awarded."

Contracts Awarded

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to J. W. Szpantowicz, 490 Boulevard, sewers in Laurel Hill Ave., $6,656; to Lione Constr. Co., LaForge St., 44th Ave. $3,381, 61st St. $2,446, 99th St. $1,521, 170th St. $7,248, 125th St. $1,375; to D. A. Gross, 8515 Fulton St., Woodhaven, 91st St. $2,489, 132nd St. $470, 205th St. $1,859; to A. W. Matarazzo, 1163 61st St., 104th Ave. $4,365, 109th Ave. $1,752, 203rd St. $1,688. Grand total $35,250. Noted Nov. 22.

O., Akron—F. E. Swineford, dir. P. Serv., trunk sewer in Little Cuyahoga Intercepter between Ravine St. and East North St., to McAlonan Bros., 506 Woodland Ave., $154,-175. Est. $212,820. Noted Dec. 6.

Mich., Detroit — Dpt. P. Wks., concrete sewers in Laterals 5118 and 5119, to Detroit Drainage Constr. Co., 14375 Coolidge Ave., $53,900; Lateral 5149, to Lincoln Constr. Co., 4101 McDougall Ave., $19,491; Lateral 5153, to J. Rossi & Sons, 5385 Pennsylvania Ave., $54,000; Lateral 5152, to Wolverine Sewer Constr. Co., Transportation Bldg., $18,650. Grand total $146,041.

Mo., St. Louis—Bd. P. Serv., City Hall, Sect. E of River Des Peres Project, to W. E. Callahan Constr. Co., Arcade Bldg., $871,272. Est. $1,035,040. Noted Dec. 13.

Ont., Pembroke — Electrical driven centrifugal pump, to Goldie & McCulloch, Ltd., Bank of Hamilton Bldg., Toronto. Est. $50,000. Noted Feb. 9.

Ont., Toronto — Vitr. tile sewers in 3 roads, Colton and Hilda Aves., to Dileo Bros., 239 Bellwoods Ave.; sewers in Yonge St., to John Maguire Contg. Co., 24 Birch Ave.; Smith St., to W. E. Taylor, 22 Falcon St.; Beulah St., to P. Mohan, 232 Withrow Ave.; Collins Ave., to P. Corradi, 19 Hocken Ave.; Millwood Rd., Castlefield and Rowlinson Aves., to Ruscica Bros., 84 Woodycrest Blvd. Est. $50,000. Noted Nov. 22.

Ont., Toronto—Vitr. tile sewers in Marmot St. and Orchard View Blvd., to J. Formica, 2147 Dufferin St., $7,050; Greer Rd., to Lupo & Mallio, 666 Dundas St. E., $1,508; Balliol St. Sect. B-D, Martin and McCord Rds., day labor, $23,847. Grand total $32,405. Est. $34,552.

Waste Disposal

Proposed Work

Ont., Kitchener — Concrete, brick, steel garbage and refuse incinerator. $35,000. S. Shupe, City Hall, engr.

Bids Asked

N. Y., New York — Dec. 28, by B. S. Coler, comr. Pub. Welfare, Municipal Bldg., incinerator, building and chimney at New York City Home, Welfare Island.

Bridges

Proposed Work

Mass., Wareham—State and Town, concrete, steel bridge over Weweantit River. $25,000 or more.

N. C., Beaufort—H. M. Hendricks, C. S. Maxwell, U. E. Swann, et al., 2 bridges connecting Harkers Island and Cape Lookout with mainland, also incl. several mi. road embankment. $900,000.

Illinois and Kentucky — Cairo & Kentucky Bridge Co., c/o H. M. Byllesby & Co., 231 South La Salle St., Chicago, Ill., soon takes bids 2,000 ft. rein.-con., steel bridge over Ohio River between Cairo, Ill., and Wickliffe, Ky., incl. 2 piers in mid-stream and 2 piers near banks. $2,000,000. Ash, Howard, Needles & Tammen, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Dec. 15, 1927.

Mich., Grand Rapids—New concrete viaduct, on Wealthy St. $400,000. F. H. Locke, city mgr.

Mo., St. Louis—City, c/o Bd. P. Serv., City Hall, preliminary sketches rein.-con., steel bridge 43.5 ft. wide (ultimately 100 ft. wide), as continuation of existing Grand Avenue Viaduct, parallel to Grand Blvd. between Market and Hickory Sts. $443,500. L. R. Bowen, City Hall, bridge engr.

Tex., Wichita Falls — Wichita Co., c/o Judge, Wichita Falls, 50 x 300 ft. bridge across Wichita River. $75,000. J. M. Isbell, Wichita Falls, co. judge.

Okla., Mangum—State Hy. Comn., Oklahoma City, preliminary plans 20 span 400 ft. pile trestle over North Fork of Red River, Greer Co. $40,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Ont., Toronto—Toronto & York Roads Comn., 57 Adelaide St. E., Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., and Canadian Natl. R.R., New Union Sta., T. T. Irving, ch. engr., 2 concrete, steel bridges over Canadian Pacific and Canadian Natl. Rys., on Rogers Rd. $250,000. H. C. Rose, 57 Adelaide St. E., engr.

Bids Asked

N. Y., New York—Dec. 27, by A. Goldman, comr. Plant & Structures, Municipal Bldg., East 238th St. Bridge over Bronx River. Former bids rejected. Noted Nov. 1.

N. Y., Watertown—Dec. 28, at office P. Sutton, city engr., City Hall, single span, rein.-con. arch bridge across Black River, on Mill St. Concrete-Steel Eng. Corp., Park Row Bldg., New York, designing engrs.; adv. E. N.-R. Dec. 20. Noted Nov. 29.

New Jersey—Jan. 7, by State Hy. Comn., Trenton, 3 bridges, intervening and adjoining road sections on Route 6 (Revision 1927), Dover Extension Cutoff, Dover, Morris Co. A. L. Grover, ch. engr.; adv. E. N.-R. Dec. 20.

Ohio—See "Streets and Roads."

Ind., Auburn — Dec. 29, by Comrs. DeKalb Co., constructing Lige Bridge. E. Dawson, aud.

Ill., Chicago—Bd. Local Impvts., City Hall, bids about Jan. 14, double leaf trunnion bascule bridge over West Fork of South Branch of Chicago River, on South Damen Ave. (Robey St.) $2,900,000. M. Mulcahy, 139 North Clark St., Bureau of Design, engr. Noted Nov. 29.

Kan., Cimmarron — Dec. 27, by Clerk Gray Co., four 7 ft. and three 8 ft. multiple box span and three 25 ft. deck girder span bridges, also culverts, Project 45-6-K.591-B. —culverts on Sect. A same road. W. Barton, Cimmarron, co. engr.

Kan., Ellsworth — See "Streets and Roads."

Kan., Emporia—Dec. 27, by G. J. Whittaker, clk. Lyon Co., two 90 ft. steel truss or concrete arch span bridge. O. D. Henry, Court House, engr.

Okla., Boley—Dec. 24, by J. R. Day, clk. Okfuskee Co. (Okemah), 3 span 74 ft. I-beam, concrete bridge, incl. 28.2 tons I-beam steel, 11.6 tons reinforcing $25,000.

Contracts Awarded

New Jersey—State Hy. Comn., Trenton, bridges over Lehigh Valley R.R., Middlesex Co., to W. J. Wilck, Perth Amboy, $59,868; over Overpeck Creek, Bergen Co., to A. Guthrie & Co., St. Paul, Minn., $351,853. Noted Nov. 22.

Alabama—State Hy. Dpt., Montgomery, to J. Graham, 600 South Court St., Montgomery, several small concrete bridges, culverts, Pickens Co., $34,773; Cleburn and Calhoun Counties, $58,221—to J. T. McLemore, Eutaw, small concrete bridge Bibb Co., $8,837; Greene Co., $39,375; Pickens Co., $18,615—to S. C. Cox, Clanton, several small concrete culverts Bibb Co., $23,672; concrete bridge Jackson Co., $8,633—to E. Pettus, Montgomery, several small concrete bridges Coosa and Chilton Counties, $46,-545; relief opening at Flint Creek, south of Decatur, Morgan Co., $10,598—to Baston & Garrish, Gastonburg, overhead crossing near Blalock, Dallas Co., $3,911. Grand total $253,090.

Kentucky — State Hy. Dpt., Frankfort, three 140 ft. span steel superstructure over Cumberland River on Blackmont-Cardinal Rd., S. P. 205-A. B. G., Bell Co., to Vincennes Bridge Co., Vincennes, Ind., $25,792. Noted Sept. 13.

Kentucky and Indiana—See "Streets and Roads."

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to Davidson & Doctor, Orland, bridges in Cook Co., $8,442—to Federal Bridge Co., 1001 Bankers Trust Bldg., Des Moines, Ia., La Salle Co. $7,829; Tazewell Co. $10,228; DuPage Co. $34,940—to Illinois Steel Bridge Co., Jacksonville, La Salle Co., $95,000—to D. A. Chernus Constr. Co., 524 McKnight Bldg., Minneapolis, Minn., La Salle Co., $33,686. Grand total $190,000. Noted Oct. 18.

Ill., Chicago—Dpt. P. Wks., City Hall, approaches to double leaf trunnion bascule bridge over Calumet River, at East 106th St., to Kelly-Atkinson Constr. Co., 189 West Madison St., $119,128. Est. $170,000.

Iowa—State Hy. Comn., Ames, bridges in Butler and Cass Counties, to C. J. Kramme, Ft. Dodge, $18,000 and $9,987 respectively—Crawford Co., to S. Christensen, Tyler, Minn., $37,400—Poweshiek Co., to Iowa Bridge Co., 19th St. and Eastern Blvd., Des Moines, $11,400—Shelby Co., to Jensen Constr. Co., Kimballton, $14,225—Winneshiek Co., to A. Olson Constr. Co., Waterloo, $14,365—culverts in O'Brien Co., to Forgie & Groth, Sioux Center, $2,499—Jackson Co., also clearing 1.7 acres and building 170 lin.ft. wing dams in Henry Co., to C. R. Yeggs, Boone, $4,987 and $961 respectively. Grand total $113,824. Noted Dec. 6.

Kan., Fort Scott — Bourbon Co., W. I. West, clk., 120 ft. marsh arch span bridge, 20 ft. on Rd. K-39, Project 39-10-K712, Sect. B, to Maxwell Constr. Co., Columbus $24,440. Noted Oct. 25.

Kan., Topeka — City, Atchison & Santa Fe Ry. Co., H. W. Wagner, ch. engr., and Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, Mo., 1,475 ft. rein.-con., steel viaduct over tracks at 6th St., 40 ft., to Kansas City Bridge Co., 510 Oreao-Leslie Bldg., Kansas City, Mo. Noted June 21.

Railways

Proposed Work

West Virginia—See "Contracts Awarded."

North Dakota—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., additional main line and spur tracks, 2 additional tracks across Bway. and 1 across 3rd and 4th Sts. in Fargo. $50,000.

Texas—St. Louis, Brownsville & Mexico Ry. Co., C. S. Kirkpatrick, ch. engr., Houston, preliminary plans extending line 10 mi. from Edcouch to connect with Mission Branch at Weslaco. $100,000.

Texas and New Mexico — Atchison Topeka & Santa Fe Ry. Co., M. C. Blanchard, ch. engr., Amarillo, Tex., preliminary surveys 45 mi. branch line through Gaines Co. between Seagraves, Tex. and Hobbs, N. M. $200,000.

Colorado—Atchison, Topeka & Santa Fe Ry. Co., M. C. Blanchard, Amarillo, Tex., ch. engr., rebuilding 8 mi. road between Pueblo and Baxter, incl 2 hy. underpasses, rails, ties, grading, etc. during 1929; new storage and switching yards, sidings to industrial sites, roundhouses, in East Pueblo, $1,000,000-$2,000,000.

Colorado—Colorado & Southern Ry. Co., R. C. Gowdy, Denver, ch. engr., extending 7 mi. East Pueblo spur into main line at Bragdon, incl. rails, and 350 ft. bridge over Fountain River.

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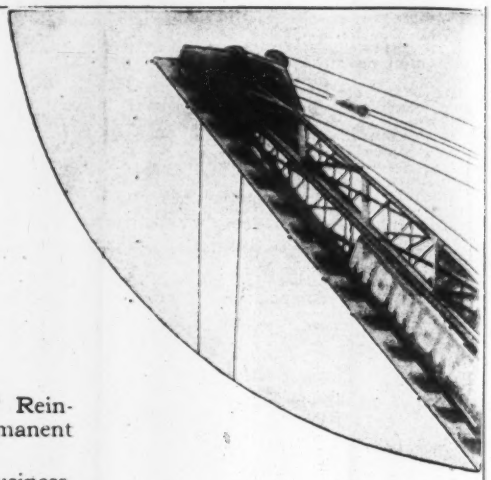
Saves Money

in Building Permanent Storm or Sanitary Sewers!



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FRANK NOVOTNY, Mgr.

CLEVELAND, OHIO
H. S. WAMSER
Electric Building
Cleveland, Ohio

COLUMBUS, OHIO
Ohio Sales Agency
297 S. High St., Room 203
E. W. HAWKE, Mgr.

OKLAHOMA CITY
Concrete Pipe Co. of Okla.
203 Grain Exchange Bldg.
E. A. BARNES, Mgr.

MICHIGAN REP.
M. R. DICKIE
717 Arbor Street
Ann Arbor, Mich.

INDEPENDENT CONCRETE PIPE CO.
General Offices at Indianapolis, Ind.

Laying an INDEPENDENT Concrete Pipe Sewer at Dolton, Illinois

Railways (Continued)

Contracts Awarded

West Virginia — Chesapeake & Ohio Ry. Co., Richmond, Va., C. W. Jones, ch. engr., and New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., 29 mi. railroad from Swiss to Nallen known as Nicholas, Fayette & Greenbrier R.R., incl. grading, bridging, 1,500,000 cu.yd. excav. New York Central R.R. Co. will do the work. Owners soon takes bids on material for same. Noted June 7.

North Carolina—American Enka Corp., A. J. L. Moritz, vice pres., Asheville, general contract 4 mi. railway sidings, industrial tracks into its plant near Asheville, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O.

Airports

Contracts Awarded

HANGAR—**Akron, O.**—Goodyear Zeppelin Corp., 325 x 1,200 ft., brick, steel hangar, 200 ft. high, 2 story office, 2 story workshop, to Clemmer & Noah, Akron. Est. $2,000,000. Noted Nov. 22.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., Brownwood—Brown Co. Water Control & Impvt. Dist. 1, c/o J. R. Looney, chn., reservoir dam on Pecan Bayou. $2,500,000. D. W. Ross, Houston Bldg., San Antonio, consult. engr. Noted Nov. 1.

Tex., Sweetwater—See "Unclassified."

Calif., Dos Palos—Dos Palos Drainage Dist. soon takes bids drainage works. $97,500 bonds voted for same. Noted Dec. 13.

Calif., Oroville — W. J. Munro, secy. Oroville-Wyandotte Irrigation Dist., Butte Co., rejected bids Oct. 15, 8,650 cu.yd. excav., 4,570 ft. 16- to 18-in. welded iron, 5,132 ft. 14- to 22-in. red wood continuous stave pipe. Noted Oct. 4.

Calif., San Francisco—Yuba River Power Co., 225 Bush St., granted permit 15,000 acre ft. of water from North Yuba River for irrigation and domestic purposes. $400,000.

Bids Asked

N. Y., New York—Dec. 27, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, dredging at various locations along East and Harlem Rivers, Contr. 1939.

Va., Norfolk—Jan. 17, by Norfolk Co. Bd. Drainage Commissioners, 622-30 Law Bldg., drainage improvements in Butts Rd. D. D. 3. J. G. Wallace, chn.; adv. E. N.-R. Dec. 20.

Ia., Denison—Dec. 28, by W. Gilbert, aud. Sac Co., extending main ditch, deepening, cleaning main ditch, laterals, incl. 229,389 cu.yd. excav. I. W. Hoffman, Carroll, engr.

Ia., Logan—Dec. 31, by W. R. Adams, aud. Harrison Co., 6 mi. drainage work, incl. 95,400 cu.yd. excav. Mayne Eng. Co., 130 Pearl St., Council Bluffs, engr.

Ill., East St. Louis—Dec. 28, by Bd. Park Comrs. East St. Louis Park, sand shore revetment work and building beaches supplement to improvement of Lake Park. E. P. Griffin, 929 Missouri Ave., supt. and engr.; adv. E. N.-R. Dec. 20.

Calif., Terra Bella — Jan. 3, by E. H. Robinson, secy. Terra Bella Irrigation Dist., 2,650 ft. 12 in. 14 gauge and 8,650 2,700 ft. 10- to 14-in. 12 gauge soil-proof wrapped rivetted steel pipe line.

Calif., Westley—See "Contracts Awarded."

Contracts Awarded

Tex., Mission — J. S. Shary, irrigation system on 600-acre tract, incl. concrete pipe, near here, to Campbell & Congden, Mission, $30,000.

Calif., Merced — H. P. Sargent, secy. Merced Irrigation Dist., shaping and constructing 4 mi. existing canals, installing side gates, to Carlson Bros., Turlock, $20,400; furnishing 10 motor drainage pumps, to Pomona Pump Co., Pomona, 1,000 g.p.m. $613, 1,200 g.p.m. $822, 1,400 g.p.m. $841, 1,600 g.p.m. $893; drilling 10 drainage wells, to R. Bancroft & Sons, Merced, drilling 16 in. $1.50 per lin.ft., casing 16 in. wells $3.40, 16 in. shoes $18, drilling 18 in. wells $1.50, casing 18 in. $3.41, 18 in. shoes $31. Noted Nov. 15.

Calif., Turlock—A. Sorensen, secy. Turlock Irrigation Dist., improving Dist. 5, incl. 2 in. concrete lining, 63,250 sq.ft. canal, 15 concrete structures, 2 timber bridges, to Carlson Bros., Turlock. Noted Oct. 4.

Calif., Westley—E. Smith, secy., West Stanislaus Irrigation Dist., Stanislaus Co. 7 x 15—240 ft., and 7 x 15—80 ft., concrete canal syphons under railroad tracks, to O'Brien & Gilleran, Hearst Bldg., San Francisco, $7,709; main hy., miscellaneous tunnels, excavation, etc., by district forces. Noted Oct. 18.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., Boston, constructing Chester and Griggs Sts., Hutlcroft Ave., Avalon Rd., as highways in Dorchester and Brighton. To exceed $25,000. J. H. Sullivan, comr.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., paving Flushing Ave. from boro line to Metropolitan Ave. $245,000.

N. J., East New Brunswick (mail New Brunswick)—Bd. Freeholders Middlesex Co., Court House, New Brunswick, preliminary plans penetration macadam paving road from Herberts to Dunhams Corners. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, preliminary plans curbing, asphalt on concrete paving Virginia St. from Newark to Cross Aves. $25,000. T. Collins, city engr.

N. J., Hanover—Bd. Freeholders Morris Co., Morristown, preliminary plans penetration macadam paving Ridgedale Avenue Rd. $25,000. W. Hopkins, Court House, Morristown, co. engr.

N. J., Millburn—Bd. Educ., Town Hall, grading Short Hills and Wyoming school grounds, and retaining wall at Wyoming School. $33,000. E. R. Halsey, 79 Academy St., Newark, town engr.

N. J., Moonachie (mail Carlstadt)—Bd. Boro Council, School 3, bituminous macadam or sheet asphalt on concrete paving Railroad Ave., Oak, Union, Concord, Willow, Grand, Fredrick, Bruno, and Broad Sts. $58,000. D. C. Boswell, 6 Mt. Vernon St., Ridgefield Park, boro engr.

N. J., Plainfield—Common Council, City Hall, preliminary plans grading, curbing, sewers, sidewalks, paving Gavett Pl. from Park to Watchung Aves. $125,000. A. Vars, city engr.

N. J., Plainfield—Mayor and City Council paving Gavatt Pl. from East 2nd St. to North Ave. $125,000. A. Vars, city engr.

N. J., Somerville — Boro Council, City Hall, preliminary plans grading, sheet asphalt on concrete paving Main St. from Somerset to Grove Sts. $144,000. W. Berryman, boro engr.

N. J., Woodbridge—Bd. Freeholders Middlesex Co., Court House, New Brunswick, preliminary plans sheet asphalt on 6 in. concrete or rein.-con. paving Freeman St. from Rahway to Georgia Aves. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

Mich., Grand Rapids—Paving, widening Division St. $969,860—grading, curbing, paving 1.3 mi. Eastern Ave., asphalt $112,570, concrete $105,250—0.4 mi. north end Eastern Ave., asphalt $46,720, concrete $44,910. C. W. Darling, City Hall, engr.

Mich., Mt. Clemens — Macomb Co. concrete paving 250,000 sq.yd. Mack Ave., Harrison Twp. $2,500,000. W. Lehner, Mt. Clemens, co. road engr.

Ill., Tessville—Concrete paving 42,000 sq.yd. Cicero Ave. $224,000. Barker, Flavin, Sheets & Wallace, 35 East Wacker Dr., Chicago, engrs.

Kan., Meade—Meade Co. soon takes bids grading 6.305 mi. Rd. K 12, 30 ft. H. L. Gilman, Court House, engr. Noted Dec. 6.

Kan., Oberlin—Decatur Co. soon takes bids grading 6.097 mi. Kansas Project 707, Sect. B, 30 ft. T. H. Shannon, Court House, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids concrete paving 5,015 sq.yd. alleys in 5 city blocks $13,800—rein.-con. paving 1,225 sq.yd. Balson Ave. $7,300—2695 sq.yd. Regal Pl. $16,100—amiesite paving 3,660 sq.yd. Fyler Ave. $28,700—3,710 sq.yd. Murdock St. $31,376—asphalt paving 2,740 sq.yd. Sublette Ave. $26,600—asphaltic concrete paving 1,350 sq.yd. Esther Ave. $8,600—5,800 sq.yd. Odell St.—1,670 sq.yd. Quincy St. $12,084. W. W. Horner, City Hall, engr.

Mo., St. Louis — Opening and widening Forest Park Ave. between Grand Blvd. and Clark Ave., at Market St., 80 and 100 ft., incl. rein.-con. subway under Grand Blvd. with 16 ft. clearance and viaduct over Market St.

Ark., Benton—Soon takes bids concrete paving Street Impvt. Dists. 1 and 2. $52,407. Lund Eng. Co., Home Insurance Bldg., Little Rock, engrs.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab paving 78,000 sq.yd. U. S. Road 64, Garfield Co. $200,000. C. R. Mandigo, hy. engr.

Oklahoma — State Hy. Comn., Oklahoma City, grading, drainage structures on 8 mi. Hy. 41, Beckham Co.—5.5 mi. Hy. 9, Haskell Co.—6 mi. Hy. 7, Comanche Co.— 5.5 mi. Hy. 10, Pushwatka Co.—8 mi. Hy. 3, Pittsburgh Co.—5 mi. Hy. 18, Pottawatomie Co.—5 mi. Hy. 36, Tillman Co., each 30 ft. To exceed $175,000. G. R. Mandigo, hy. engr.

Okla., Oklahoma City—Surveys sheet asphalt paving 8,000 sq.yd. Hill, 32nd, 33rd, 34th and 35th Sts. $41,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Preliminary plans grading, concrete paving 15,500 sq.yd. Shields Blvd. To exceed $25,000. W. W. Small, city engr.

Colo., Colorado Springs—Paving, sewers Weber and Fontarero Sts., Colorado and Platte Aves. during 1929. $65,000. F. O. Ray, city engr.

California—State Hy. Comn., Sacramento, rejected bids Nov. 21, grading 1.6 mi. road at Hilton Creek, Mono Co. Noted Nov. 8.

Calif., Los Angeles — Los Angeles Co., curbing, walks, guttering, 9-7-7-9 in. vibrolithic concrete paving 893,882 sq.ft., and 8 in. vibrolithic concrete paving 91,295 sq.ft. Atlantic Ave. To exceed $300,000. G. W. Jones, Hall of Records, engr.

Calif., San Diego—Common Council, grading, walks, concrete curbing, 6 in. concrete paving 76,434 sq.ft. Ingram St. et al. H. W. Jorgensen, city engr.

Calif., San Francisco—Grading, curbing, walks, paving 20th St. between Noe and Sanchez Sts. $37,000. M. M. O'Shaughnessy, city engr.

Bids Asked

Massachusetts—Jan. 2, by Dpt. P. Wks., Boston, widening, bituminous macadam, bituminous, rein.-con. surfacing 26,920 ft. hy. Lynnfield, Peabody and Danvers. W. F. Williams, comr.

N. Y., New York—Dec. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, granite block on concrete repaving Kenmare St.

N. Y., Niagara Falls—Dec. 29, by Commissioner State Reservation at Niagara, rein.-con. paving Niagara Rapids Blvd.

N. Y., St. George — Dec. 24, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam, granite block repaving and repairing new brick paving areas within franchise area Staten Island Midland Ry. on Richmond Rd. from Douglas to Amboy Rds.

N. Y., St. George — Dec. 26, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam, bituminous concrete on binder paving, repairing new brick and repaving old granite block on certain areas within franchise area of Staten Island Midland Ry., on Victory Blvd., Clove Rd. and Price St.

New Jersey—Jan. 7, by State Hy. Comn., Trenton, 8 in. rein.-con. paving 51,618 sq.yd. Route 37, Sect. 3, Lakehurst-Toms River Rd. (Sta. 128 to 360), Ocean Co.; grading, granite curbing, sewers, bituminous on concrete paving 31,000 sq.yd. Route 1 extension, Sects. 17, 18 and 19, Contr. 20, Elizabeth, Union Co. A. L. Grover, ch. clk.; adv. E. N.-R. Dec. 20.

N. J., Indian Mills (mail Atsion)—Dec. 24, by Shamong Twp., graveling 25,500 sq.yd. Jackson Rd. A. D. Bullock, 234 Cuyler Ave., Trenton, engr.

Delaware—Jan. 8, by State Hy., Dpt., Dover, grading, sidewalks, concrete paving 7.66 mi. St. Georges-State Rd., Contr. 114 superstructure for Newport Bridge, Contr. 103-A—substructure for Milford Bridge, Contr. 104-A; adv. E. N.-R. Dec. 20.

Md., Baltimore—Dec. 26, by Bd. Awards, sheet asphalt paving 8,100 sq.yd., granite block repaving 3,650 sq.yd. Contr. 496; concrete paving 8,000 sq.yd. Contr. 4. N. L. Smith, hys. engr.

Miss., Booneville—Dec. 31, by City, J. E. Cunningham, mayor, grading, curbing, sewers, alternate types paving 16,100 sq.yd. Impvt. Ordinance 1. Robert L. Totten, Inc., B. M. Bldg., Birmingham, Ala., consult. engrs.

Louisiana — State Hy. Comn., Baton Rouge, bids about Jan. 18, grading, hard paving 17 mi. Dixie-Overland Hy., Bossier Parish. J. M. Fourmy, Reymond Bldg., Baton Rouge, state engr. Noted Nov. 1.

Ohio—Dec. 28, by H. J. Kirk, dir. Hys., Columbus, concrete paving 1.7 mi. Sect. 1-1.

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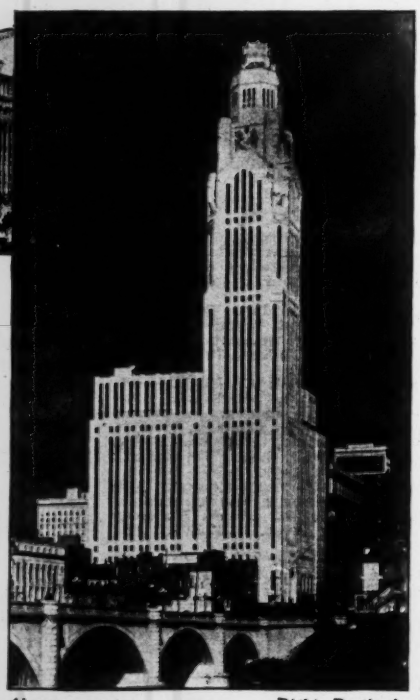
BETHLEHEM STEEL COMPANY

General Offices: **Bethlehem, Pa.**

District Offices: **New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Detroit, Cincinnati, Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.**

Bethlehem Steel Export Corporation, New York
Sole Exporter of our Commercial Products



Above:
American Insurance Union Building
Columbus

Above:
Union Trust Building
Detroit

Right: **Brotherhood of Locomotive Engineers Bank Building**
Cleveland

Right:
The Merchandise Mart, under construction at Chicago
—"The largest building in the world"

BETHLEHEM

Wide-Flange STRUCTURAL SHAPES

Streets and Roads (Continued)

Bonoport Clinton Rd., 18 ft., Ottawa Co. $56,441; 60 ft. span concrete girder bridge, Sect. 6, Larue-Marsailles Rd., Marion Co., $10,405.

Wisconsin—Dec. 27, by State and Outagamie Co. Hy. Comns., Office 3, Nicolet Bldg., Green Bay, crushed stone or gravel-ing 11,200 cu.yd. Black Creek-New London Rd. D .F. Culbertson, div. engr.

Ia., Rock Rapids—Dec. 27, at office Auditor Lyon Co., grading 14 mi. roads.

Kan., Ellsworth—Dec. 24, by Clerk Ellsworth Co., grading 0.641 mi. Project 40-S, 15-A, K-734—4.097 mi. Project 40-S, 15-B-K-735, incl. three 75 deck girder spans, three 7, three 8 and three 10 ft. multiple box span bridges.

Kan., Greensburg — Dec. 27, by Clerk Kiowa Co., sand graveling 2.14 mi. Project 54-14-K. 145-D—1.99 mi. Project 54-14-K. 562-C—2.14 mi. Project 54-14-K. 563-B. A. E. Askins, co. engr.

Nebraska — Dec. 28, by State Dept. P. Wks., State House, Lincoln, **(F.A.P. means Federal Aid Project)**, grading, bridging 9.486 mi. F.A.P. 413-A, Holt Co.—3.001 mi. F.A.P. 205-E, Webster Co.—1.193 mi. F.A.P. 128-A and B, Seward Co.—8.9 mi. F.A.P. 258-B, Washington Co.—144 ft. current retards F.A.P. 210, Nuckolls Co. R. L. Cochran, hy. engr.

Nebraska—Dec. 31, by A. Fouts, clk. Merrick Co., Central City, improving Osceola-Clarks Project 315-A, Federal Aid Road, Merrick and Polk Counties, 44,850 cu.yd. excav., 15,000 cu.yd. overhaul, 25,850 cu.yd. sand fill, 6,350 cu.yd. top soil or sand clay surfacing, also Bridges 1, 2, 3 and 4. R. L. Cochran, Lincoln, state hy. engr.

Okla., Oklahoma City—Dec. 26, by M. Peshek, city clk., grading, concrete paving 6,000 sq.yd. North Drexel Ave. $25,000. W. W. Small, City Hall, engr.

Wash., Seattle—Dec. 31, by Comrs. King Co., clearing, grading 148,000 cu.yd. graveling 5,255 cu.yd. Lake Sammamish Shoreline Extension 6. $83,000. D. Evans, County-City Bldg., engr.

California — Dec. 26, by C. H. Purcell, state hy. engr., Sacramento, grading, paving 0.3 mi. road between Ortega Hill and Montecito, Santa Barbara Co.—5.5 mi. road between Glendora and Claremont, Los Angeles Co.—10.4 mi. road between Claremont and Cherry Ave., Los Angeles and San Bernardino Counties—2.5 mi. road between Pomona and Ontario, San Bernardino Co.—grading, oil treated crushed gravel or stone surfacing 1.5 mi. road between Bakersfield and Cottonwood Creek, Kern Co.—grading, oil treated crusher run base paving 1 mi. road between San Luis Obispo and City Reservoir, San Luis Obispo Co.

California—Jan. 2, by State Hy. Comn., Sacramento, asphaltic concrete paving 3.6 mi. road between Alto and Sausalito, Marin Co.; widening, concrete paving 2.1 mi. road between Plaza Garage and Oak Grove School, Tulare Co. C. H. Purcell, P. Wks. Bldg., Sacramento, state engr.

California—Jan. 2, by State Hy. Comn., Sacramento, bituminous macadam paving 6.1 mi. road between points ½ mi. north Kelly's and Sandberg, Los Angeles Co. C. H. Purcell, P. Wks. Dpt., Sacramento, engr.

Calif., Los Angeles—Apr. 1, by Supervs. Los Angeles Co., grading, 9-7-9 in. concrete paving 633,385 sq.ft., and 8 in. concrete paving 17,110 sq.ft. Rosecrans Ave. To exceed $225,000. Noted Nov. 15.

Calif., San Diego—Dec. 31, by Common Council, grading, concrete curbing, sidewalks, 6 in. asphaltic concrete paving 389,675 sq.ft. Meade Ave. H. W. Jorgensen, city engr. Noted Nov. 15.

Calif., San Diego—Dec. 31, by Common Council, curbing, sidewalks, grading, 2 in. asphaltic concrete on 6 in. concrete paving 115,244 sq.ft. Taylor St. and San Diego Ave.; grading, 6 in. concrete paving 121,676 sq.ft. 65th St. Noted Nov. 15.

Contracts Awarded

New Hampshire—State Hy. Dpt., Concord, graveling 2.3 mi. hy. in Grafton, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $33,116. Noted Dec. 6.

New York—A. W. Brandt, comr. Hys., Albany, **(e. e. means engineers estimate)**, concrete repaving 1.22 mi. road in Orange Co., to M. K. Eng. Co., Inc., Albany, $81,763 e. e. $106,816—3.71 mi. Ontario Co., to Rochester Concrete Constr. Co., Inc., Rochester, $235,291 e. e. $352,908—5.88 mi. Clinton Co., to George Edgecomb Co., Inc., Walton, $228,933 e. e. $317,969—2.8 mi. Westchester Co., to J. J. Bollette & Son Constr. Co., Troy, $224,731 e. e. $306,662—2.28 mi. Allegany and Steuben Counties, to H. E. Bunce, Hornell, $435,176 e. e. $626,241—4.31 mi. Orange Co., to Lane Constr. Co., 37 Colony St., Meriden, Conn., $212,025 e. e. $317,017—grading, structures on 2.49 mi. Westchester Co., to Miller Bros. Constr. Co., Inc., 151 Earle St., Hartford, Conn., $152,243 e. e. $304,584. Grand total $1,570,162. Noted Nov. 15.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Stanley Ave. and 67th St., to Grimm Contg. Co., 170 McKinley St., $2,081 and $1,159 respectively—granite block paving Woodhull St., to J. D. Norton, 20 Sterling Pl., $6,110—asphalt on concrete paving Martense and 48th Sts., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $29,441 and $9,835 respectively—Troutman St., to D. J. McCoy Asphalt Co., Avenue U and East 57th St., $7,457—Washington Ave., to Carbloc Paving Corp., Varick and Stagg Sts., $29,799—64th St., to B. Turecamo Contg. Co., New Cropsey Lane, $3,413—Coney Island Ave., to M. J. O'Hare, Neptune Ave. and East 19th St., $63,583. Grand total $152,878. Noted Nov. 15.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to J. V. Turecamo, foot Bay 32nd St., grading East 40th St. $6,363; West 1st St., $4,657—to Grimm Contg. Co., $85-38 107th St., Richmond Hill, East 49th St. $1,261—to M. J. Grant, 215 Montague St., granite block paving West St., $14,932; 2nd Ave., $89,205—to B. Turecamo, New Cropsey Lane, sheet asphalt on concrete paving East 46th St. $6,147; East 96th St. $9,360; Rutland Rd. $9,435; West 1st St. $6,539; 19th Ave. $3,677. Grand total $151,576. Noted Dec. 6.

N. Y., New York — B. S. Coler, comr. Dpt. Pub. Welfare, Municipal Bldg., sidewalks, curbing, roadways, and lawns at Bronx General Hospital, to Asphalt Constr. Co., 2197 Madison Ave., $28,679. Noted Dec. 6.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Willowbrook and Blackford Aves., to J. E. Donovan, 2207 Richmond Terrace, Port Richmond, $12,190 and $9,050 respectively—Amboy Rd., to Vanbro Constr. Co., 24 Elizabeth St., Port Richmond, $18,348—grading, paving Highview Ave., to J. Johnson Sons, 455 Bway., West New Brighton, $7,050—sewer in Crescent Ave., to J. J. O'Rourke, 238 Gordon St., $2,651. Grand total $49,999. Noted Nov. 22.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 7,668 sq.yd. Lehigh Co., to Kulpmont Constr. Co., Kulpmont $34,678 — concrete paving 45,300 sq.yd. Schuylkill Co., to J. Miller Eshleman, Landisville $254,761—35,200 sq.yd. Venango Co., to Hagedorn Constr. Co., of West Virginia, Oil City $139,723—10,016 sq.yd. Lehigh Co., to Mignatti & Whelan, Bankers Trust Bldg., Phila. $80,907—15,700 sq.yd. Berks Co. and 146,227 sq.yd. Warren Co., to York Eng. & Constr. Co., 21 West St., York, $59,924 and $425,777 respectively. Grand total $995,770. Noted Dec. 6.

Miss., Hattiesburg—See "Buildings—Industrial."

Miss., Indianola—City and Sunflower Co., bitulithic surfacing 16,700 sq.yd., to Dunn Constr. Co., Merchants Bank Bldg., Jackson. Noted Sept. 20.

Miss., Macon—Grading, curbing, concrete paving, to Merrill Eng. Co., Lamar Life Bldg., Jackson $32,000.

Miss., McComb—Bd. Selectmen, grading, brick, concrete, asphalt or warrenite paving 25,000 sq.yd. Virginia, Argyle, Edgar, 5th, Louisiana and Maryland Sts., to Merrill Engr. Co., Lamar Life Bldg., Jackson. Noted Nov. 1.

Kentucky and Indiana — Louisville Bridge Comn., Todd Bldg., Louisville, 20,000 ft. concrete foundation piles, 1,400 cu. yd. concrete in footings, 1,200 cu.yd. rein.-con. work, 8,000 sq.yd. concrete roadway on grading and 7,300 sq.yd. rein.-con. roadway on structural steel, to Henry Bickel Co., 435 Garden St., Lousiville, Ky., $543,515. Noted Nov. 8.

Michigan—R. W. Roberts, resident engr., Saginaw, grading 1.799 mi. MO18-5, C-1, Clare Co., to T. McNally, Saginaw, for State Hy. Dpt., Lansing, $58,292. Noted Nov. 1.

Mich., Detroit—Grading, one course 7 in. concrete paving 9,000 sq.yd. alleys, to Otis Cement Constr. Co., Penobscot Bldg., $19,874—3,730 sq.yd. alleys, to Lennane & McIlvenna, 7777 West Chicago Ave., $8,218—2,310 sq.yd. alleys, to Bishop & Weir, 6451 East Six Mile Rd., $5,083—550 sq.yd. alleys, to Bliss & Smith, 1220 Penobscot Bldg., $1,204. Grand total $34,379.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, grading roads in Du Page Co., to Trompeter & Sons, Peru, $20,331—paving roads in Hancock Co., to J. L. Wells Co., Rock Island, $6,688—Cook Co., to Suburban Paving & Impvt. Co., Chicago, $6,479—Ogle Co., to Northern States Constr. Co., Rockford, $17,890. Grand total $51,338. Noted Oct. 18.

Kan., Marysville — Marshall Co. grading County Project U. O. 240, to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, Neb. $14,322, graveling 8.974 mi. road 29 ft., to Koehler Constr. Co., Sterling, Neb., $21,986.

Kan., Mound City—O. M. Gray, clk. Linn Co., chats surfacing 9 mi. Kansas Project 556, Rd. K-7, to A. L. Cook, Ottawa $11,790; 7.28 mi. Kansas Project 713, Rd. K-35, to W. F. O'Brien, St. Paul $9,610, both 28 ft.

Mo., Kansas City—Jackson Co., concrete paving 43/8 mi. County Project from Oak Grove north, to Frank Flinn Constr. Co., 99th St. and Wornall Rd. $94,261.

Okla., Tulsa — Sheet asphalt paving 9,600 sq.yd. Rockford, Trenton and Kenosha Sts., to H. L. Cannady & Co., 1122 South Lewis St., $45,266. Est. $50,000.

British Columbia—Dpt. P. Wks., Victoria, protecting Nicomen Island Hy. from Fraser River floods, to Fraser Constr. Co. Ltd., New Westminister, $23,583, and General Constr. Co. Ltd., 736 Granville, Vancouver, $26,797.

B. C., Point Grey — Warrenite bitulithic on rock paving, to General Constr. Co. Ltd., 736 Granville St., $10,335; 6 in. concrete paving, to Armstrong, Morrison Paving Co., 553 Granville St. $3,723—to Hodgson, King & Marble Co., 626 Pender West, $16,770, warrenite bitulithic on rock paving and 6 in. concrete paving to Ellis Cotton, Ltd., False Creek Yards, $51,552 and $13,317 respectively, all in Vancouver. Grand total $95,697.

Public Bond Elections

Coming Bond Elections

Waterworks—Hickory, N. C., $40,000.
Waterworks — Lander, Wyo., Dec. 31, $92,000.
Excavation—Tracy, Calif., Dec. 27, $50,000.
Dredging—San Benito, Tex., San Benito Navigation Dist., Dec. 29, $500,000.
Roads—Graham, Tex., Dec. 23, $150,000.
Roads—Lubbock, Tex., Lubbock Co., Jan. 12, $1,000,000.
Roads—La Grange, Tex., Jan. 8, $60,000.
Roads—Hickory, N. C., $300,000.
School—Olathe, Kan., April, $150,000.
High School—Willits, Calif., $150,000.

Bonds Voted

Waterworks—Ottawa, Ont., $1,315,000.
Waterworks—Pleasanton, Tex., $48,000.
Excavation—Brownwood, Tex., $2,500,000.
Airport—Olympia, Wash., $35,000.
Road—Lindsay, Okla., $59,100.
Schools—McCamey, Tex., $150,000.
School—Clayton, Tex., $545,000.

Bonds Defeated

Waterworks—Hydro, Okla., $25,000.
Sewers—Hydro, Okla., $26,000.

Buildings—Industrial

Proposed Work

Me., Cape Elizabeth (mail Portland)—SERVICE and REPAIR GARAGE—Owner, c/o O. I. Emerson, archt., 10 Cottage St., Portland, sketches 1 story, 50 x 160 ft., brick. $50,000 or more.

Mass., Bridgewater—POWER PLANT—Commonwealth of Massachusetts Dpt. Educ., bids after Jan. 1, 1 story, brick, plain found., at State Normal School. $80,000. Henry & Richmond, 12 West St., Boston, archts. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted Sept. 27.

Mass., Lynn—SALES, SERVICE and REPAIR GARAGE—R. T. Pender, Inc., 41 Sutton St., 1 story, basement, 100 x 100 ft., brick, steel, plain found., Liberty and Sutton Sts. $50,000. Private plans.

Mass., New Bedford — SERVICE GARAGE and REPAIR SHOP — National Biscuit Co., 92 Water St., soon takes bids 1 story, 75 x 10 ft., brick, plain found., Merrimac St. $40,000. Private plans. Noted Sept. 27.

Mass., Springfield—HEAT TREATING PLANT—Duckworth Chain & Mfg. Co., 41 Milk St., plans by McClintock & Craig, 458 Bridge St., superstructure 2 story, 60 x 150 ft., brick, steel, concrete, Plainfield St. $75,000. Foundations for above awarded to Adams & Ruxton Co., 1387 Main St.

Conn., Bristol—PLANT—Wallace Barnes Co., 30 Main St., brick addition to main plant units, South Elm Springs and Wallace Sts. To exceed $150,000. Private plans.

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Buildings—Industrial (Continued)

Conn., Forestville — MILL — Wallace Barnes Co., 30 Main St., Bristol, brick addition, 15,000 sq.ft. floor space. $50,000. Private plans.

N. Y., Brooklyn—FREIGHT and FERRY TERMINAL—City of New York, Dpt. Plants & Structures, Municipal Bldg., New York, freight and ferry terminal, Atlantic Ave. Municipal Ferry Terminal. $500,000.

N. Y., Jackson Heights (sta. Flushing)—SERVICE GARAGE and STORE—Myward Constr. Co., 6730 Hermon St., plans by M. Perlstein, c/o owner, service garage and stores, 70th St. and Hays Ave. $40,000.

N. Y., Long Island City—ICE CREAM PLANT—Anheuser-Busch, 979 Brook Ave., New York, plans by J. E. Ross, 25 West 43rd St., New York, 2 story, brick, 104th St. from 94th to Atlantic Aves. $130,000.

N. Y., Long Island City — FACTORY — T. J. Meeker, c/o W. J. Cherry, 441 Lexington Ave., plans 3 story, 100 x 200 ft., brick, Nelson Ave. and Buckley St. $220,000. Private plans.

N. Y., Long Island City—GARAGE and SERVICE STATION—E. J. Foy, Skillman Ave., 2 story, 98 x 100 ft., Skillway Ave. and East Lowery St. $40,000.

N. Y., New York — SERVICE and GARAGE—A. LePinto, 2005 Stillwell Ave., soon takes bids on general and separate contracts 2 story, 91 x 115 ft., brick, concrete, Hubbard St. and Neptune Ave. $100,000. R. Lutwig, 316 West 56th St., New York, archt. Noted Dec. 6.

N. Y., New York—SERVICE GARAGE—Jonell Realty Co., Inc., J. J. Gilhuly, in charge, c/o J. P. Boyland, archt., 305 Kingsbridge Rd., bids in March, service garage, 204th St. near Webster Ave. $40,000. Noted Nov. 29.

N. J., Kearny (mail Arlington)—PLANT—Kentucky Color & Chemical Co., 34th St., Louisville, Ky., plant, on 10 acre site, Belleville Turnpike to main line Pennsylvania R.R. To exceed $40,000.

N. J., Maplewood—(br. South Orange)—GOLF CLUB FACTORY—Kroydon Co., Burnett Ave., plans by D. A. Hopper, 22 Ridgewood Ave., Irvington, 1 story, basement, 30 x 150 ft., brick, steel addition, plain found., Burnett Ave. $40,000.

N. J., Newark—BAKERY DISTRIBUTING PLANT — Dugan Bros. Inc., 161 Arlington Ave., sketches 2 story, 125 x 153 ft., brick, steel, plain found., 6th St. between Murray and Kamena Sts. $100,000. Private plans.

N. J., Newark — BAKERY — Purity Bakeries Corp., M. Carpenter, in charge, 711 South 10th St., plans by R. H. Brown, engr. and archt., 844 Rush St., Chicago, Ill., 3 story, basement, brick, steel, plain found., 711 South 10th St. $40,000.

N. J., South Amboy—SHIRT FACTORY—M. Cohen, 194 Hall Ave., Perth Amboy, sketches 1 story, basement, 100 x 100 ft., brick, steel, plain found. $40,000. E. Wierzbicke, 175 Smith St., Perth Amboy, archt.

N. J., South Amboy—POWER PLANT—Jersey Central Power & Light Co., 20 South St., Morristown, subsidiary National Light & Power Co., 57 Williams St., New York, plans by Electric Planning & Eng. Corp., engrs. and archts., 57 William St., New York, 1 story, 160 x 160 ft., rein.-con., brick, steel, plain found., waterfront. $5,000,000. Noted Nov. 22.

Md., Baltimore — PLANT — Chemical & Pigments Co., St. Helena, W. J. O'Brien, vice-pres. and mgr., plant additions. $100,000.

Ala., Birmingham — PLANT — Pullman Car & Mfg. Co., 79 East Adams St., Chicago, Ill., purchased equipment of Tennessee Coal, Iron & Railroad Co., car building plant and plans enlarging same. To exceed $1,000,000.

Tenn., Lebanon—PACKING PLANT and CREAMERY—Swift & Co., U. S. Yards, Chicago, Ill., 5 story, 100 x 100 ft., along Tennessee Central R.R. $250,000.

O., Cincinnati — PLANT and BULK STORAGE—Pure Oil Co., 246 North High St., Columbus, plant for bulk storage. To exceed $40,000. Private plans.

O., Cleveland — FACTORY — Lake Erie Metal Products Co., J. F. Strand, genl. mgr., Dunham Rd., plans by H. W. Grieme, Engineers Bldg., 1 and 2 story, 75 x 100 ft., brick, steel, Dunham Rd. $50,000.

O., Cleveland — FACTORY—Continental Carbon Co., S. H. Fleming, pres., 13904 Lorain Ave., plans by A. Schobl, 3833 North 152nd St., 1 and 2 story, 36 x 45 ft. and 45 x 130 ft., brick, steel addition. $60,000.

Ill., Belleville — STOVE FACTORY — Baker Stove Co., 818 Church St., sketches by Gill & Jackson, 520 Buder Bldg., St. Louis, Mo., 3 story, 115 x 120 ft., brick, timber, concrete found., Cleveland and Freeburg Aves. $40,000.

Ill., Springfield—PLANT—Monarch Tractor Co., G. W. Sotshall, pres., subsidiary Allis-Chalmer Mfg. Co., West Allis, Wis., soon takes bids one 80 x 240 ft. and one 105 x 336 ft. additions to tractor manufacturing plant. $750,000. Klug & Smith Co., Mack Blk., Milwaukee, Wis., consult. engrs.

Ia., Dubuque — PRINTING PLANT — Dubuque Telegraph Times Herald, 498 Main St., F. V. Woodward, mgr., plans by Clausman, Kraus & Klein, Kahl Bldg., Davenport, 2 or 3 story, rein.-con., brick. $300,000.

Ia., Marengo—LIGHT PLANT—City, c/o F. W. Goldwaite, city clk., sketches rein.-con., brick, incl. 3 generating units, storage tanks. $157,000. Municipal Utilities Co., 421 Hubbell Bldg., Des Moines, engrs.

Ore., Portland — POWER PLANT — Northwestern Electric Co., Pittock Bldg., addition to double size existing plant, Lincoln St. and River, $1,200,000. Private plans.

Calif., Los Angeles—FACTORY—Willard Storage Battery Co., East 131st St. and St. Clair Ave., Cleveland, O. (branch, 1601 South Hope St., Los Angeles), factory. To exceed $250,000.

Calif., Riverside—WAREHOUSE, GARAGE, SHOP, etc. — Southern Sierras Power Co., C. A. Kelly, purch. agt., 777 West 8th St., 100 x 180 ft. warehouse, 70 x 80 ft. garage, 100 x 140 ft. shop, 30 x 400 ft. truck storage shed, all foregoing 1 story; 40 x 140 ft. runway, 40 x 140 ft. storage building, all rein.-con., steel. Private plans.

Que., St. Laurent—FOUNDRY—Robert Mitchell Co., Ltd., Brewster Ave., Montreal, foundry. $100,000.

Ont., Hamilton—MACHINE SHOPS and POWER HOUSE — Toronto, Hamilton, Buffalo Ry., R. Latham, ch. engr., new machine shops, power house, water tank yards. $1,000,000.

Ont., Leaside — BOX PLANT — Corrugated Paper Box Co., 187 Geary Ave., Toronto, plans by G. E. Treloar, 32 Duart Park Rd., Toronto, 1 and 2 story, basement, 200 x 700 ft., and 150 x 200 ft., rein.-con., brick, steel, plain found. $350,000.

Ont., Toronto—FABRICATING SHOP—Toronto Iron Wks., foot of Cherry St., 1 story, brick, steel, concrete found. $500,000. Private plans.

Ont., Toronto—PAPER PLANT—Canada Pad & Paper Co., 109 Simcoe St., plans by N. A. Armstrong & Co., 7 King St. E., 4 story, basement, 105 x 105 ft., rein.-con., brick, steel, plain found., Madison Ave. $200,000.

Ont., Toronto — PLANT — McColl Frontenac, Ltd., Montreal, Que., purchased old Page Hersey Tubes, Ltd., plant and plans remodelling same, on Ashbridge Bay. $300,000.

Sask., Regina—PLANT—Exide Battery Co., plant. $50,000.

Sask., Regina—PLANT—Dominion Envelope & Carton Co. Ltd. plant $200,000.

Sask., Regina—PLANT—Flint Paint & Varnish Co., new plant. $240,000.

Bids Asked

Mass., Worcester—REPAIR and SERVICE GARAGE, FILLING STATION—D. F. Daley, 521 Pleasant St., taking bids 1 story, 100 x 100 ft., concrete, steel, plain found., 24 Madison Ave. $40,000 or more. G. C. Halcoft, 32 Franklin St., archt. Noted Dec. 6.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Brooklyn — SERVICE GARAGE and LOFT — See "Contracts Awarded."

N. Y., Brooklyn—SERVICE GARAGE—Baruch Lewittes, 8908 Northern Blvd., Long Island City, taking bids on general and separate contracts 2 story, 82 x 237 ft., brick, concrete, West 35th and Surf Ave. $100,000. M. Schantz, 25 Spruce St., archt. Noted Dec. 6.

N. Y., Brooklyn — SERVICE GARAGE and GAS STATION — P. Schwartz, Manhattan Ave. and Richardson St., 80 x 125 ft., taking bids on separate contracts. brick, Manhattan Ave. and Richardson St. $40,000. C. M. Spindler, 164 Montague St., archt. Noted Dec. 6.

N. Y., Jamaica—MANUFACTURING—See "Contracts Awarded."

N. Y., Long Island City—WOODWORKING FACTORY—See "Contracts Awarded."

N. Y., New York—GARAGE and STORE—G. Paladino Holding Corp., 286 East 137th St., taking bids on separate contracts 1 story, 100 x 295 ft., brick, concrete, Austin Pl. and East 149th St. $75,000. De Rose & Cavalleri, 370 East 149th St., archts. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—Laura Realty Corp., Inc., D. Snow, pres., 200 West 72nd St., taking bids on separate contracts, 5 story, 75 x 194 ft., brick, concrete, 524 East 73rd St. $150,000. W. C. Sommerfeld, 31 Union Sq., archt. Noted Dec. 6.

N. J., Jersey City—SERVICE BUILDING—Dec. 26, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., New York Administration Bldg., Canal and Varick Sts., New York, service building of Holland Tunnel, Provost St. between 13th and 14th Sts.

N. J., Paterson—SERVICE STATION and SHOW ROOM—See "Contracts Awarded."

Md., Baltimore—POWER HOUSE—Dec. 29, by Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., concrete, brick, Roland St. and Belvidere Ave., for St. Marys Seminary, Paca and St. Marys Sts. Noted Dec. 13.

Ill., Chicago—FACTORY—R. B. Kurson, archt., 105 North Monroe St., taking bids 2 story, 80 x 350 ft., timber, brick, stone, 4400 West 26th St., for Starkline Furniture Co., 4400 West 26th St. $150,000.

Tex., Ft. Worth — MILLING PLANT — Ralston Purina Co., 835 South 8th St., St. Louis, Mo., E. W. Noxon, mgr. Eng. Dpt., taking bids and open same about Dec. 27, (by invitation only), 8 story, 45 x 76 ft., rein.-con., brick addition. $200,000. Private plans.

Tex., Mercedes — COLD STORAGE PLANT—Central Power & Light Co., Frost Bldg., c/o F. Ludden, dist. mgr., taking bids 2 story, 8,000 sq.ft. floor space, rein.-con., brick, plain found. $70,000. Private plans.

Calif., Richmond—PORCELAIN PLANT—California Porcelain Co. taking bids 1 story, brick, hollow tile. $40,000. D. E. Jaekle, 395 Justin Way, San Francisco, archt.

Contracts Awarded

Me., Bath—DAIRY PLANT—Oakhurst Dairy Co., c/o Cushman Baking Co., 1 story, brick, plain found., to Naugler Bros., Brunswick, $55,000. Noted Dec. 6.

Mass., Springfield—HEAT TREATING PLANT—See "Proposed Work."

Mass., Worcester — FACTORY — Bieber Polar Soda Co., 111 Summer St., altering and constructing 1 story, 75 x 100 ft., brick, concrete addition, plain found., to Harlan & McCarthy, 32 Dean St. Est. $40,000. Noted Dec. 6.

Mass., Worcester—SERVICE STATION—Bowker-Hamlin Tire Co., C. Bowker, 72 Mechanic St., 1 story, basement, brick, stone, rein.-con., plain found., Mechanic St., to Dworman Building Co., 16 Norwich St. Est. $40,000.

R. I., Woonsocket—PLANT—American Paper Tube Co., Hazel St., 1 story process building addition, concrete, plain found., to J. F. Fleurant & Sons, Inc., 18 Oak Hill Ave. Est. $40,000. Noted Dec. 6.

Conn., Danbury—SERVICE and SALES—Anderson Nash Corp., 143 White St., 1 story, 70 x 120 ft., brick, plain found., to Adams & Hanson, Housatonic Ave., New Milford. Est. $45,000. Noted Nov. 15.

N. Y., Brooklyn — FACTORY — Thames Trading Co., L. Hirsch, pres., 49 Thames St., 4 story, 115 x 160 ft., brick, day labor. $175,000. Noted Dec. 6.

N. Y., Brooklyn — LABORATORY — Brooklyn Union Gas Co., 176 Remsen St., 2 story, laboratory, Maspeth and Varick Aves., to W. F. Kenney, Co., 44 East 23rd St., New York. Est. $60,000.

N. Y., Brooklyn—SERVICE GARAGE—S. Katz, 550 Bristol St., 1 story, 100 x 114 ft., brick, concrete, Dean St. and Rochester Ave., separate contracts. $50,000. Cohn Bros., 361 Stone Ave., archt. Noted Dec. 6.

N. Y., Brooklyn—SERVICE GARAGE—S. Manlay, c/o M. Klein, archt., 65 Court St., 1 story, 100 x 160 ft., brick, concrete, separate contracts. $50,000. Noted Dec. 6.

N. Y., Brooklyn — SERVICE GARAGE and LOFT — M. Bergrenn, 552 Ovington Ave., 2 story, 80 x 81 ft., brick, separate contracts. $40,000. W. E. Martin, 9401 5th Ave., archt. Noted Dec. 6.

N. Y., Jamaica—MANUFACTURING—Hulles & Hares, Inc., 21 Hillcrest Ave., manufacturing lofts, Beaufort Ave. and Rockaway Blvd., separate contracts. $50,000. W. Sanbur, 164-10 Jamaica Ave., archt.

N. Y., Long Island City—WOODWORKING FACTORY—Jaffe Bros., 251 West 45th St., New York, woodworking factory, separate contracts. $90,000. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—Corporation, c/o M. Brencastock, 463 7th Ave., 3 story, 100 x 253 ft. service garage, Bronxdale Ave. and unnamed street, to Stores Building Co., 463 7th Ave. Est. $250,000. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—R. Hingers, 3350 Fenton Ave., 2 story, 85

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Buildings—Industrial (Continued)

x 106 ft., brick, concrete, separate contracts. $200,000. J. C. Watson, 271 West 125th St., archt. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—M. Wright, 400 East Fordham Rd., 2 story, 90 x 100 ft., brick, concrete, separate contracts. $50,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts. Noted Nov. 29.

N. J., East Spottswood (mail Old Bridge) — MILL — American Salpa Corp., c/o Clark, MacMallen & Riley, archts., 101 Park Ave., New York, general contract twelve 1 and 2 story, brick, rein.-con., buildings, to Turner Constr. Co., 420 Lexington Ave., New York. Est. $150,000. Excavation work started.

N. J., Irvington (br. Newark) — FACTORY—Freas Thermo Electric Co., 1 story, 90 x 160 ft., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $50,000.

N. J., Kearny (sta. Arlington)—FACTORY—Western Electric Co., 195 Bway., New York, general contract four 6 story, rein.-con., brick, steel buildings, to Austin Co., 120 Bway., New York. Est. $1,250,000. Noted Dec. 6.

N. J., North Bergen (Ind. br. West New York) — CUTLERY FACTORY — L. Weltsbach, 236 Baldwin Ave., Jersey City, general contract 1 story, basement, 125 x 130 ft., brick, steel, plain found., Harrison Pl. and Burr Ave., to G. Siegler, 81 Grand St., Jersey City. Est. $40,000.

N. J., Paterson—SERVICE STATION and SHOW ROOM—Letz & Katz, 617 Bway., 1 story, basement, 100 x 400 ft., brick, steel, plain found., 35th and Market Sts., separate contracts. $150,000. J. Holt, 132 Market St., archt. Coleman & Haloman, c/o owner, lessee. Noted Dec. 13.

N. J., Scobeyville (mail Eatontown) — WIRELESS STATION—Universal Wireless Communication Co., general contract 1 story, basement wireless transmitting station, County Rd., to E. P. Muntz, L. V. Terminal Bldg., Buffalo, N. Y. Est. $100,000.

N. J., Teaneck (br. Hackensack) — LAUNDRY—Teaneck Laundry, c/o C. V. R. Bogert, archt., 210 Main St., general contract 1 story, basement, brick, steel, plain found., Teaneck Rd. to Beyea Constr. Co., 973 Bway., Union City. Est. $40,000. Noted Oct. 11.

N. J., Townley (mail Elizabeth)—FACTORY—Metals Disintegrating Co., general contract 2 story, basement, 55 x 110 ft., brick, steel addition, plain found., to Wilhelms Constr. Co., 119 Division St., Elizabeth. Est. $40,000.

Pa., Phila.—MANUFACTURING—T. S. Gassner Co., 4545 Wayne Ave., 2 story, basement, 69 x 110 ft., brick, steel, plain found., Wayne and Apsley Sts., to John N. Gill Co., City Center Bldg. Est. $65,000.

N. C., Hickory—GAS PLANT—Piedmont Utilities Co., 1 story, brick or stone, 350 hp. gas plant, to A. A. Whitlock, Hickory, $400,000.

Miss., Hattiesburg—POWER HOUSE—State Teachers College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., repairing power house, to A. B. Hayden, Inc., Pass Christian, $13,500; improving roads, to E. A. Finch, Hattiesburg, $16,944. Noted Nov. 8 under "Buildings—Educational, Religious, Bids Desired."

O., Cleveland — FORGE SHOP — Ulchek Tool Co., F. J. Ulchek, pres., 3001 East 87th St., 1 story, 40 x 125 ft., brick, steel, 3001 East 87th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $40,000.

Ind., Ft. Wayne — FACTORY — Deere Plow Co., general contract 4 story, 100 x 100 ft., rein.-con., brick, to Indiana Eng. & Constr. Co., 201 Central Bldg. Est. $150,000. Noted Nov. 15.

Ind., Indianapolis—FOUNDRY—Peerless Fdry. Co., Ludlow Ave., general contract 77 x 141 ft., brick, steel, 1843 Ludlow Ave., to W. C. LeFever, 440 North Rural St. Est. $46,000.

Ind., Newcastle — FACTORY — Chrysler Corp., S. E. Welch, supt., 80 x 80 ft., rein.-con., brick, 18th and I Aves. Owner builds. $40,000.

Mich., Detroit — BRASS WORK FACTORY—Michigan Smelting & Refining Co., 1 story, 60 x 200 ft., rein.-con., brick, steel addition, plain found., Jos. Campau Ave., to Krieghoff Co., French Rd. Est. $50,000.

Mich., Detroit—POWER HOUSE—P. Lighting Comn., 176 East Atwater St., rein.-con., steel support for 4th turbine unit in Morrell St. Power House, to W. E. Wood, 1805 Ford Bldg., $41,121.

Mich., Detroit—SALES and SERVICE—Knox-Kay Co., Linwood and Clement Sts., 1 story, 90 x 120 ft., concrete, brick, steel addition, to Austin Co., 16112 Euclid Ave., Cleveland. Est. $40,000.

Ill., Chicago — SERVICE STATION — Lowenberg & Lowenberg, archts., 111 West Monroe St., masonry contract 2 story, 100 x 300 ft., brick, to Vagtborg Constr. Co., 251 West 79th St., for Studebaker Sales Corp., 24th and Federal Sts. Est. $90,000.

Ill., Harvey—FACTORY—Buda Mfg. Co., 154th St., L. M. Viles, pres., masonry contract brick factory, to T. D. Hodson & Co., Harvey; structural steel, to Amer. Bridge Co., 208 South La Salle St., Chicago. Est. $65,000.

Minn., Minneapolis—CREAMERY—Land O'Lakes Creameries, A. J. McGuire, genl. mgr., 2201 Kennedy St. N. E., general contract 2 story, basement, 100 x 130 ft., rein.-con., brick addition, to Splady & Haagenson, 609 Marquette Ave. Est. $150,000. Noted Dec. 6.

Mo., Kansas City—COLD STORAGE—United States Cold Storage Co., 500 East 3rd St., 3 and 8 story, basement, rein.-con., brick, steel, 500 East 3rd St., to E. W. Sproul, 310 South Michigan Blvd., Chicago, Ill.

Calif., Oakland — PACKING PLANT — Kings County Packing Co., Reedley, 180 x 300 ft., brick, steel main cannery with 2 story, 130 x 180 ft. section, 50 x 180 ft. cooling platform, boiler house, machine shop and 2 warehouses, to Austin Co. of California, Russ Bldg., San Francisco. Est. $500,000.

Calif., Orange—PACKING PLANT—Santiago Orange Growers Assn., 2 story, 80 x 80 ft., pre-cooling, 1 story, 50 x 120 ft. ice and 80 x 140 ft. packing plants, all hollow tile, rein.-con., to Gay Eng. Corp., 2650 Santa Fe Ave., Los Angeles, $150,000.

Calif., Tiburon — MACHINE SHOP — Northwestern Pacific R.R. Co., S. H. Hicks, ch. engr. 64 Pine St., San Francisco, 1 story, steel, iron to Austin Co. of California, Russ Bldg., San Francisco, $32,520. Noted Oct. 4.

Ont., Toronto — FACTORY — Massey-Harris Co., Ltd., Ling St. W., general contract 40 x 50 x 280 ft., rein.-con., brick, steel, to Walter Davidson & Co., Ltd., 188 Duke St. Est. $100,000.

Ont., Windsor—PLANT—Auto Specialties Mfg. Co. of Canada, general contract concrete, brick, steel addition, concrete found., to S. E. Dinsmore & Co., Security Bldg. Est. $75,000.

B. C., Kilgard — BRICK and TILE PLANT—Clayburn Co. Ltd., 850 Hastings St. W., Vancouver, clearing, excavation for addition to plant, to T. A. McKenzee, 1870 33rd Ave. W., Vancouver, $50,000.

Buildings—Commercial

Proposed Work

Me., Portland — APARTMENT — Owner, c/o O. I. Emerson, archt., 10 Cottage St., sketches 2 apartment units, 40 and 60 apartments. To exceed $150,000.

Mass., Boston—BANK—Dorchester Savings Bank, R. E. Smith, pres., 570 Columbia Rd., altering and constructing 2 story, basement, brick, steel addition, plain found., 570 Columbia Rd. $150,000. Engineer and architect not selected.

Mass., Boston—HEALTH—City, F. X. Mahoney, comr., City Hall, 2 story, basement, brick, stone, plain found., Huntington Ave., Hemenway St. and Forsythe Rd. $300,000. Engineer and architect not selected.

Mass., Boston—THEATRE and OFFICE—DeBlois & Madison, trustees, Barristers Hall, theatre and office building, Boylston and La Grange Sts. To exceed $150,000. Engineer and architect not selected.

Mass., Newton (Ind. br. Boston) — APARTMENT—Lamph Studio, Inc., 27 Richardson St., 3 story, basement, irregular sized, brick, plain found., Richardson St. $150,000. Private plans.

Mass., Pittsfield—BANK—City Savings Bank, C. F. Coogan, pres., 116 North St., brick, steel, North St. To exceed $150,000. Engineer and architect not selected.

Mass., Somerville (br. Boston)—HOSPITAL—Trustees Somerville Hospital, F. J. Dreyer, chn. building com., revised plans by Stevens & Lee, 45 Newbury St., Boston, 4 story, basement, 40 x 160 ft., brick, plain found., Crocker St. $160,000. Former bids rejected. Noted Aug. 9.

Mass., Watertown (Ind. br. Boston) — MUNICIPAL—Town, W. P. McGuire, clk., municipal building. To exceed $150,000. Engineer and architect not selected.

R. I., Newport—THEATRE, STORE and OFFICE—Kenmore Realty Corp., B. Rockman, 15 Deerfield St., Boston, Mass., plans by G. N. Jacobs, 9 Bosworth St., Boston, Mass., brick, steel, Broadway. $300,000.

R. I., Providence—BANK and OFFICE—Providence National Bank, 20 Westminster St., bids after Jan. 1, 3 story, basement, brick, rein.-con., steel, plain found., Westminster St. $150,000 or more. Howe & Church, Turks Head Bldg., archts. Noted Aug. 9.

R. I., Providence—STORE and OFFICE—A. Milot, c/o A. J. Samson, archt., 99 Main St., Woonsocket, sketches, Westminster St. $150,000 or more.

N. Y., Buffalo—APARTMENT—Owner, c/o Bley & Lyman, archts., 505 Delaware Ave., apartment, 800 West Ferry St. $400,000.

N. Y., Hastings-on-Hudson—HOSPITAL—Jewish Mental Health Society, c/o Ross & Allen, archts., 101 Park Ave., New York, hospital group. To exceed $150,000.

N. Y., Jamaica—HOTEL—Long Island Hotels, Inc., 149-27 Jamaica Ave., plans by MacLean, 149-27 Jamaica Ave., 7 story, 58 x 77 ft., brick, steel, 89th Ave. and West 161st St. $150,000.

N. Y., Long Island City—APARTMENT—Rego Co., 786 Fresh Pond Rd., Ridgewood, plans by B. Braunstien, 163-18 Jamaica Ave., Jamaica, 6 story, 93 x 193 ft., brick, timber, Sanders St. $350,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Goldberg, 115 McClellan St., plans by C. Kremyborg & Son, 2534 Marion Ave., 6 story, 86 x 186 ft. apartment, 5009 Bway. $365,000.

N. Y., New York—APARTMENT—Corporation, c/o R. Lucter, 56 Pine St., plans by O. Goldschlag, 1492 Bway., 6 story, 87 x 100 ft., brick, timber, 579 West 204th St. $200,000.

N. Y., New York—APARTMENT—One Hundred Five East 65th St. Corp., R. C. Brown, pres., 149 Bway., bids in January or February, general contract 13 story, 79 x 120 ft., brick, steel, 623 Park Ave. $900,000. J. E. R. Carpenter, 598 Madison Ave., archt. Noted Dec. 6.

N. Y., New York — APARTMENT — A. Deutschman, 1440 Bway., 6 story, 100 x 150 ft. apartment, Bennett Ave. near 192nd St. $150,000. Engineer and architect not selected.

N. Y., New York — APARTMENT — S. Horowitz, 9 East 40th St., plans by E. Roth, 1440 Bway., 16 story, apartment, 15 West 81st St.

N. Y., New York—APARTMENT—One Hundred Seventy-Six East 82nd Street Corp., L. Jakobson, pres., 261 Bway., plans by Schwartz & Gross, 347 5th Ave., 76 x 122 ft. apartment, 167 East 82nd St. To exceed $600,000.

N. Y., New York — APARTMENT — A. Paterno, 578 Madison Ave., and A. Campagna, 551 5th Ave., plans by R. Candela, 578 Madison Ave., 14 story, 25 x 102 ft., brick, 74th St. and Park Ave. $350,000.

N. Y., New York—BANK and APARTMENT—County Trust Co., 97 8th Ave., bank and apartments or bank and commercial building 8th Ave. and 14th St. To exceed $150,000. Engineer and architect not selected.

N. Y., New York — COMMERCIAL — I. Zimmer, 285 Madison Ave., commercial building, 247 Bway. To exceed $150,000. Engineer and architect not selected.

N. Y., New York — LOFT and SHOWROOM—Five Hundred Five 8th Ave. Corp., 1440 Bway., plans by C. J. Strom, 1440 Bway., 24 story, brick, steel, 501 8th Ave. $650,000.

N. Y., New York—STORE and APARTMENT—P. J. Dwyer, 2519 Sedgwick Ave., store and apartment, Bway. and 181st St. To exceed $150,000.

N. Y., Riverdale (mail New York)—APARTMENT—H. Schiff, 2520 Bway., New York, 15 story apartment, Kappock St. and Johnson Ave. Engineer and architect not selected.

N. Y., Yonkers—HOSPITAL—St. Johns Riverside Hospital, Ashburton Ave., bids in March or April, general contract 6 story hospital. $500,000. G. P. Butler, Jr., 40 East 49th St., New York, archt. Noted Oct. 25.

N. J., Asbury Park — APARTMENT HOTEL—Asbury Arms Corp., c/o B. S. Swartbury, archt., 2 West 46th St., New York, sketches brick, steel, plain found. $150,000.

N. J., Cliffside Park (mail Cliffside)—APARTMENT — S. Engel, 237 29th St., North Bergen, plans by L. Vivoli, 411 Palisade Ave., Cliffside, 4 story, basement brick, steel, plain found., Grant Ave and Palisade Trolley Line. $150,000.

N. J., Elizabeth—APARTMENTS—Stanley Building Co., c/o J. Anderson, archt., 251 North Broad St., sketches thirteen 2 story, basement, 28 x 58 ft., brick, plain found., Ogden St. $150,000.

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Buildings—Commercial (Continued)

N. J., Englewood — APARTMENT — J. Summers, Grand Ave., plans by C. G. Mettburg, 7 South Dean St., 5 story, basement, 75 x 100 ft., brick, steel, plain found. Grand Ave. and Chester Pl. $185,000. Noted Dec. 13.

N. J., Hackensack—COURT HOUSE—Bd. Freeholders Bergen Co., Court House, 5 story, basement, brick, steel addition, plain found., on 100 x 200 ft. site. $250,000. Engineer and architect not selected.

N. J., Hillside (sta. Elizabeth)—APARTMENT—Economy Constr. & Realty Co., plans by E. V. Warren, 31 Clinton St., Newark, 5 story, basement, brick, steel, plain found., Maple and Gruman Aves. $150,000. Noted Dec. 13.

N. J., Jersey City — APARTMENT — Trustees Development Co., Inc., B. Kaufman, pres., 27 Wegman Parkway, plans by M. Kraut, 3010 Hudson Blvd., 5 story, basement, 70 x 100 ft., brick, steel, plain found., 620-24 Pavonia Ave. $150,000.

N. J., Jersey City—APARTMENT—Ultra Holding Co., c/o C. Shilowitz, archt., Tube Concourse Bldg., 4 story, basement, brick, steel, plain found., Pavonia and Corlin Aves. $160,000.

N. J., Jersey City — BANK — Clermont Bank, c/o Kelly & Cowan, archts., 921 Bergen Ave., sketches 2 story, basement, brick, steel, plain found. $150,000.

N. J., Jersey City — LABORATORY — Port of New York Authority, 75 West St., New York, rejected bids Dec. 3, 2 or 4 story, steel, rein.-con., Fox Pl. Noted Dec. 13.

N. J., Jersey City—TERMINAL FACILITIES—Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Phila., Pa., soon takes bids terminal facilities, incl. extensive track, yard changes, rail and water facilities, Grove St. and Jersey Ave. $40,000,000.

N. J., Newark—APARTMENT—I. Katzman, 333 Lyons Ave., plans by J. Centanni, 142 Market St., 3 story, basement, 70 x 100 ft., brick, steel, plain found., Sibley St. and Lyons Ave. $150,000. Noted Dec. 6.

N. J., Newark—APARTMENT—Owner, c/o H. J. and J. V. King, archts., 222 Market St., sketches 4 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—BANK—Morgan, French & Co., Inc., archts., 19 West 44th St., New York, soon lets general contract 2 story, basement, 75 x 115 ft., rein.-con., brick, steel, plain found., Clinton and Chadwick Aves., for Clinton Trust Co., 515 Clinton Ave. Est. $150,000.

N. J., Newton—HALL of RECORDS—Bd. Freeholders Sussex Co., Court House, sketches by Kelly & Cowan, 921 Bergen Ave., Jersey City, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—HOSPITAL, etc.—Newark Memorial Hospital, 340 Bank St., plans by Guilbert & Betelle, 20 Branford Pl., 10 story, basement, 50 x 100 x 188 ft. hospital, 1 story, basement, power house and laundry, rein.-con., brick, steel, plain founds., Newton St. $1,250,000. Noted Dec. 6.

N. J., Newark—HOTEL—Owner, c/o A. G. Brach, engr. and archt., 60 Park Pl., sketches 7 story, basement, 70 x 150 ft., rein.-con., brick, steel, plain found., Washington St. $300,000.

N. J., Newark—THEATRE, OFFICE and GARAGE—A. M. Greenfield, M. Rachlin, in charge, 9 Clinton St., sketches by F. W. Wentworth, 140 Market St., 20 story theatre and office building, and 10 story garage, rein.-con., brick, steel, plain founds., 12-32 Lafayette St., and 870-80 Broad St. $5,000,000.

N. J., Oakhurst—BANK—National Bank c/o S. P. Wertheim, Wanamassa Dr., West Allenhurst, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Orange — APARTMENT — J. Zingalli, Glen Ridge Ave., Montclair, rejected bids general contract 4 story, basement, 90 x 132 ft., brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Nov. 1.

N. J., Palisades Park—APARTMENT—J. Cioffi, c/o J. Lugoseh, archt., 714 Bergenline Ave., Union City, sketches 4 story, basement, brick, steel, plain found., South Central Blvd. and Highland Ave. $150,000.

N. J., Passaic—APARTMENT—F. La Rocca, 39 Lincoln St., plans by H. Gerritsen, 118 Passaic St., Garfield, 3 story, basement, 85 x 100 ft., brick, steel, plain found., Van Houten Ave. $175,000.

N. J., Passaic—APARTMENT—Avenue Realty Co., c/o Preiskel & Skvoria, archts., 26 Lexington Ave., sketches 4 story, basement, 184-90 Lexington Ave. $175,000.

N. J., Plainfield — APARTMENT and GARAGE—G. E. Stillman, 415 West 7th St., plans by M. O. Klemmt, 43 Hill St., Newark, 4 story, 100 x 125 ft., apartment, 1 story, basement, 105 x 120 ft. garage, brick, steel, plain found., 415 West 7th St. and Central Ave. $225,000.

N. J., Red Bank — APARTMENT — M. Greenberg, 620 Princeton Ave., Lakewood, sketches by C. T. Frus, 50 West Front St., 3 story, basement, 80 x 100 ft., brick, steel plain found., LeRoy Pl. $200,000.

N. J., Ridgefield — APARTMENT — H. Benowitz, 545 West End Ave., New York, plans by S. Gardstein, 44 Court St., Brooklyn, N. Y., 5 story, basement, brick, steel, plain found., Bergen Ave. and W. Mt. Vermont St. $200,000.

N. J., Roselle Park (br. Elizabeth)—APARTMENT — G. Dobb, Sheridan Ave., plans by M. Kraut, 3010 Blvd., Jersey City, 4 story, basement, brick, steel, plain found., Colfax Ave. and Chestnut St. $150,000.

N. J., Westwood—BANK—Necarsulmer & Lehlbach, archts., 420 Lexington Ave., New York, soon lets general contract 4 story, basement, rein.-con., brick, steel, plain found., Westwood Ave. and Bway., for Westwood Trust Co., 22 Westwood Ave. $150,000. Noted Oct. 4.

Pa., Chester — GARAGE — Cashland & Beard, archts., Crozer Bldg., soon lets contract 2 story, basement, 88 x 260 ft., rein.-con., brick, plain found., 5th and Chester Sts., for F. Rosenbloom, c/o architects. $200,000.

Pa., Phila. — ARCADE, STORE and HOTEL—B. Cohen & Son, 109 South 11th St., plans by Cashland & Beard, Crozer Bldg., Chester, 12 story, basement, 35 x 100 ft., rein.-con., brick, steel, plain found., 31 South 11th St. $300,000.

Miss., Oxford—CAFETERIA and PUMP HOUSE — University of Mississippi, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., rejected bids 2 story, basement, 51 x 200 ft., rein.-con., brick. Will readvertise. F. P. Gates, Edwards Hotel Bldg., Jackson, engr. Noted Nov. 15.

O., Cleveland—APARTMENT—J. Cadkin, 3610 East 147th St., 3 story, basement, 38 x 110 ft., brick, steel, 10408 Clifton Blvd. $150,000. Private plans.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., R. P. Eide, genl. mgr., 750 Huron Rd., plans by A. W. Bailey, 750 Huron Rd., 2 story, basement, 110 x 150 ft., rein.-con., brick, 7247 Bway. $300,000. Noted Oct. 18.

O., Euclid (br. Cleveland)—HOSPITAL—Salvation Army, c/o H. Roberts, 2304 East 9th St., Cleveland, plans by G. S. Rider Co., Century Bldg., Cleveland, 3 story, basement, rein.-con., brick, steel, Torbenson Rd. $150,000.

O., Lakewood (br. Cleveland)—APARTMENT—Z. Ulevitch, 1045 East 98th St., Cleveland, plans by M. Weis, 1836 Euclid Ave., Cleveland, 3 story, basement, 56 x 154 ft., brick, 15325 Lake Ave. $150,000.

O., Toledo — HOTEL — S. Aftel, archt., Madison Ave., soon lets contract 4 story, 36 x 78 ft., Superior St., for G. B. Ricaby, 514 Jefferson Ave. $185,000.

Ind., Vincennes—HOTEL—Ft. Sackville Realty Co. plans by Sutton & Routt, Citizens Trust Bldg., 7 story, basement, 85 x 120 ft., rein.-con., 4th and Main Sts. $275,000.

Mich., Birmingham—COMMUNITY—Village plans by Muehlman & Farrar, 2231 Park Ave., Detroit, 2 story, basement, 105 x 120 ft., rein.-con., brick, steel, stone, plain found. $150,000.

Mich., Detroit—TEMPLE—Detroit Lodge Elks, B. P. White, exalted ruler, West Lafayette Ave., plans by Malcolmson & Higginbotham, 1219 Griswold St., rein.-con., brick, steel, stone, plain found., Jefferson Ave. $1,000,000.

Neb., Omaha—PASSENGER STATION—Union Station Co., c/o Union Station, bids in spring 3 story, rein.-con., brick, stone passenger station to be used by Chicago, Burlington & Quincy, Union Pacific, Chicago & Northwestern, The Great Western, Rock Island, Wabash, Missouri-Pacific & Milwaukee R.R. Companies. $2,500,000.

Kan., Wichita—EXCHANGE — Southern Bell Telephone Co., Telephone Bldg., Kansas City, Mo., soon lets contract 2 story, basement, 100 x 140 ft., rein.-con., brick, 2nd St. and Topeka Ave. I. R. Timlin, 1916 Southern Bell Bldg., St. Louis, Mo., archts. Noted Dec. 13.

Mo., St. Louis—HOSPITAL—St. Vincent De Paul Sisters of Charity, c/o St. Louis Mullanphy Hospital, 3225 Montgomery St., C. E. Quick, constr. supt., 5354 Minerva Ave., bids early in 1929, 5 story, basement, rein.-con., brick, stone hospital, incl. boiler house, Kingshighway near Spalding Ave. $1,000,000. O'Meara & Hills, Arcade Bldg., archts. Noted Nov. 3, 1927.

Tex., Port Arthur—HOTEL—H. W. Gilbert, surveys resort hotel on 100 acre site, Sabine-Neches Canal near Proctor St. extension. $1,000,000. Private plans.

Tex., San Antonio — OFFICE and GARAGE—J. M. Nix, 205 East Travis St., soon lets contract 18 story, basement, 11[illegible] x 168 ft., brick, stone, steel, Navarro and College Sts. $1,500,000. H. T. Phelps, B[illegible] Bldg., archt. Beretta-Stiles Co., Inc., 1[illegible] Natl. Bank of Commerce Bldg., consult. engr. Noted Sept. 13.

Tex., Victoria—HOTEL—Bruner Hotel, Inc., G. L. Bruner, 434 Bedell Bldg., San Antonio, revised plans by J. G. Becker, 2[illegible] North Washington St., San Angelo, 10 story, basement, 1st story, 65 x 163 ft., mezzanine 32½ x 130 ft. and balance 32½ x 72 ft., rein.-con., steel, plain found. $300,000. Former contract rescinded. Noted Nov. 2[illegible]

Okla., Bartlesville — THEATRE—Griffith Amusement Co., 700½ West Grand St., Oklahoma City, 2 story, 75 x 150 ft., brick, rein.-con., plain found. $150,000. Engineer and architect not selected.

Okla., Oklahoma City—HOTEL—J. M. Hale plans by J. D. Mathews, Magnolia Bldg., 5 story, 75 x 140 ft., rein.-con. addition, 9th and Robinson Sts. $150,000.

Okla., Tulsa — OFFICE — W. Philips, Philtower Bldg., sketches by Smith & Senter, archts. and engrs., Philtower Bldg., 1 story (ultimately 12 story), basement, 140 x 150 ft., rein.-con., brick, plain found., Boston St. $600,000. Noted Nov. 22.

Calif., Carmel—HOTEL—J. B. Jordan, c/o Blaine & Olsen, archts., 1755 Bway., Oakland, sketches 3 story, stucco, Spanish type hotel. $150,000.

Calif., Hanford—THEATRE and STORE—West Coast Theatres Co., Film Exch. Bldg., Los Angeles, sketches by Balch & Stanberry, Film Exch. Bldg., Los Angeles, brick, concrete theatre and stores. $185,000. Noted July 19.

Calif., Hanford—HOTEL—J. A. Pasqualetti, 785 Market St., San Francisco, rein.-con., 7th and Irwin Sts. $150,000. C. W. Zollner, 785 Market St., San Francisco, engr.

Calif., Los Angeles—APARTMENT—G. Brockman, c/o L. L. Jones, archt., 2501 West 7th St., 6 story, basement, 50 x 165 ft., rein.-con., Occidental Ave. near 6th St. $175,000.

Calif., Los Angeles — APARTMENT — Owner, c/o W. W. Campbell, archt., 3032 West 10th St., 4 story, basement, 95 x 150 ft., brick, Santa Monica Blvd. $200,000.

Calif., Los Angeles — MARKET — C. E. Toberman, c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., sketches 2 story, double basement, 110 ft. tower, steel, concrete, 70,000 sq.ft. floor space, Highland Ave. To exceed $500,000.

Calif., Oakland—APARTMENT—Owner, c/o De Sanno & Bedwell, archts., 337 17th St., sketches 5 story, basement, brick apartment. $200,000.

Calif., Oakland—APARTMENT—Sandowsky Realty Corp., 1671 Market St., San Francisco, sketches fireproof, on 75 x 110 ft. site, East 12th St. and 1st Ave. $500,000.

Calif., Oakland—APARTMENT—J. Vanderkar, 1943 Fruitvale Ave., plans by S. G. Jackson, 178 Grand Ave., 4 story, basement, steel, concrete, Foothill Blvd. and 36th St. $150,000.

Calif., Sacramento—HOTEL—Owner, c/o Irvine & Ebbets, archts., Call Bldg., San Francisco, sketches 10 story, basement, Class "A" hotel. $200,000.

Calif., San Francisco — APARTMENT — Owner, c/o H. Shermund, archt., Hearst Bldg., 7 story, basement, brick, steel, Grove St. near Laguna St. $300,000.

Calif., San Rafael—HOTEL—Owner, c/o S. Heiman, archt., 57 Post St., San Francisco, 125 room Class "A", hotel. $300,000.

Calif., Santa Cruz—HOSPITAL—J. M. Gates, et al., Rittenhouse Bldg., plans by A. I. Coffey, Phelan Bldg., San Francisco, 2 story, basement, rein.-con., Soquel Ave. $150,000.

Que., Montreal—OFFICE—International Paper Co., 100 East 42nd St., New York, C. A. R. Graustein, pres., 34 story, Beaver Hall Hill. Engineer and architects not selected.

Ont., Galt—THEATRE—Famous Players Canadian Corp. Ltd., Royal Bank Bldg., Toronto, concrete, brick, steel. $150,000. Engineer and architect not selected.

Ont., Hamilton—HOSPITAL—Hamilton Genl. Hospital Bd., A. F. Hatch, chn., 71 Melrose Ave. W., plans by G. T. Evans, 72 James St. N., 4 story, basement, brick addition, Barton St. $295,000.

Ont., Toronto — THEATRE — Gaumont British Film Co., 277 Victoria St., concrete, brick, stone, marble, terrazzo, steel, concrete found., Yonge St. $1,000,000. Engineer and architect not selected.

Ont., Windsor—MARKET and AUDITORIUM—Council, C. E. Jackson, mayor, plans by Trace & Diehl, Pank of Montreal Bldg., 2 story, Pitt St. $185,000.

Ont., Windsor—WAREHOUSE—International Ice & Cold Storage Co., 905 Mercer St., plans by Dangerfield & Winters, Huron and Erie Bldg., 3 story top addition, rein.-con., Mercer St. $1,000,000.

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Buildings—Commercial (Continued)

N. S., Halifax—TERMINAL—P. Jack, chn. Bd. Harbor Comrs., completing buildings for B unit at South Terminals, $2,500,000, and addition to A unit, to exceed $1,000,000.

Bids Asked

N. H., Manchester—THEATRE—Strand Theatre, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, Mass., taking bids altering 1 story, basement, brick, steel, plain found., Hanover St. $150,000. Noted Dec. 6.

Mass., Allston (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Quincy (Ind. br. Boston) — APARTMENTS—New England Realty Co., c/o T. B. Epps, archt., 20 Newbury St., Boston, taking bids 3 story, basement, 75 x 100 ft., brick, stone, plain found., 100 Washington St. $150,000.

Mass., Roxbury (sta. Boston)—APARTMENTS—See "Contracts Awarded."

Conn., Bridgeport—EXCHANGE—Southern New England Telephone Co., 157 Church St., New Haven, taking bids 10 story, basement, 90 x 145 ft., brick, steel, plain found., John and Church Sts. To exceed $150,000. R. W. Foote, 185 Church St., New Haven, archt.

Conn., Hartford — APARTMENT — A. Grella, 205 Magnolia St., taking bids 3 story, 100 x 130 ft., brick, cast stone, Magnolia St. $150,000. G. L. Dunkelberger, 721 Main St., archt.

Conn., Hartford — STORE and OFFICE —Central Co., c/o Whiton & McMahon, archts., 803 Main St., taking bids 6 story, brick, steel, limestone, Main and Asylum Sts. $200,000.

N. Y., Binghamton—RECEPTION—Jan. 30, by Commissioner Dpt. Mental Hygiene, Albany, additions to reception building, Binghamton State Hospital.

N. Y., Brooklyn—APARTMENT—Garfield Park Corp., A. W. Barler, pres., 162 Remsen St., taking bids on separate contracts 15 story, 100 x 165 ft., brick, Garfield Pl. $1,000,000. E. Roth, 1440 Bway., New York, archt.

N. Y., Brooklyn—APARTMENT—Hudson View Gardens, Inc., E. H. Patrick, pres., West 183rd St. and Pinehurst Ave., New York, taking bids on separate contracts 15 story, 80 x 100 ft., brick, timber, Prospect Park and President St. $600,000. Boak & Paris, 11 West 42nd St., New York, archts. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Flushing — APARTMENT — See "Contracts Awarded."

N. Y., Hollis (br. Jamaica) — APARTMENT — See "Contracts Awarded."

N. Y., Jamaica — APARTMENT — See "Contracts Awarded."

N. Y., Long Island City—APARTMENTS —See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT HOTEL —Schwartz & Gross, archts., 347 5th Ave., taking bids separate contracts, apartment hotel, 136 West 55th St., for One Hundred Thirty-Eight West 55th St., T. Goldberg, pres., 420 West End Ave. Est. $500,000.

N. Y., New York—STOCK and SHOWROOMS and OFFICE — See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—Starrett & Van Vleck, archts., 353 7th Ave., taking bids 6 story, 89 x 92 ft., brick, steel, 1271 Bway., for American Realty Corp., M. Davidson, treas., 160 Bway. $200,000. John David Stores, Bway. and 32nd St., lessee. Noted Dec. 6.

N. Y., Richmond Hill (Ind. br. Jamaica)—APARTMENT—See "Contracts Awarded."

N. Y., Rye Beach (mail Rye)—ADMINISTRATION—Jan. 2, by Westchester Co. Park Comn., East Pondfield Rd., Bronxville, administration building, music tower and flag pole, at "Playland." J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 20.

N. Y., Southampton—THEATRE—Corporation, c/o E. C. Alexion, 128 West 95th St., New York, taking bids 3 story, brick, limestone, Main St. $175,000. Schlanger & Ehrenrick, 45 West 34th St., New York, archts. Noted Oct. 25.

N. J., Cliffside Park (mail Cliffside)—THEATRE—H. B. Crosby, archt., 125 Ellison St., Paterson, bids about Feb. 1, general contract 2 story, basement, brick, steel, plain found., George Rd. and Anderson Ave., for Syndicate forming, F. Meyers, chn. Noted Nov. 15.

N. J., Englewood—APARTMENT—Sigram Realty Co., 244 Grand Ave., taking bids separate contracts 5 story, basement, 94 x 130 ft., brick, steel, plain found., Chester Pl. and Grand Ave. $250,000. C. G. Mettburg, 7 South Dean St., archt. Noted Dec. 13.

N. J., Jersey City — HOTEL — Thomas, Martin & Kilpatrick, engrs. and archts., 220 South 16th St., Phila., Pa., awards general contract about Mar. 1, 17 story, basement, brick, steel, rein.-con., plain found., 2859 Hudson Blvd., for Journal Sq. Hotel Corp., W. C. Heppenheimer, chn., 369 Lexington Ave., New York. $5,000,000. Noted Aug. 2.

N. J., Newark—APARTMENT—N. Harris, archt., 20 Branford Pl., bids about Apr. 1, general contract 8 story, basement, 70 x 125 ft., brick, steel, plain found., 345-53 Bloomfield Ave., for Stadium Realty & Investment Co., c/o architect. Noted Sept. 27.

N. J., Newark—GARAGE—Owner, c/o F. Koeinigsberger, archt., 48 Walnut St., bids about Jan. 15, general contract 3 story, basement, 50 x 200 ft., brick, steel, plain found. $150,000. Noted Nov. 22.

N. J., Newark—HOTEL—Ace Constr. Co., c/o Simpson & Rolston, archts., 45 Walnut St., bids about Jan. 15, revised plans 8 story, basement, 50 x 84 ft., brick, steel, rein.-con., plain found., 240 Mount Prospect Ave. $150,000. Noted Oct. 25.

N. J., Newark—MASONIC CLUB—Dec. 21, by Guilbert & Betelle, archts., 20 Branford Pl., taking bids general contract altering and constructing 2 story, basement, brick, steel addition, plain found., High and Court Sts., for Scottish Rite bodies, c/o architect. $150,000.

N. J., Newark—OFFICE, STORE and STUDIO—G. J. Jensh, archt., 876 Broad St., taking bids general contract 4 story, basement, rein.-con., brick, steel, plain found., 12 Hill St., for McGuire Building, Inc., c/o architect. $150,000.

N. J., Paterson—APARTMENT—E. R. Coe, archt., 136 Washington St. taking bids separate contracts 3 story, basement, 70 x 100 ft., brick, steel, plain found., 21st Ave. and 26th St. for Gookin Constr. Co., 45 Howe Ave., Passaic. $150,000.

N. J., Rutherford — APARTMENT—See "Contracts Awarded."

N. J., Union City—BANK and OFFICE —W. Newman, archt., 40 Journal Sq., Jersey City, bids about Mar. 1, general contract 2 story, basement, 50 x 100 ft., brick, steel, 15th St. and Summit Ave., for North Hudson Natl. Bank. Est. $175,000. F. Hensel, 254 Summit Ave., Jersey City, assoc. archt. Noted Dec. 6.

Pa., Phila. — APARTMENT — S. Haas, Land Title Bldg., taking sub-bids 4 story, basement, 70 x 140 ft., concrete, brick, steel, plain found., 423 West Chelten Ave. $275,000. J. E. Fieldstein, Otis Bldg., archt.

Pa., Reading—HOTEL—Sharp & Meyer, 22 North 5th St., bids about Jan. 15, 16 story, basement, rein.-con., brick, steel, plain found., 5th and Washington Sts. W. L. Stoddard, 51 East 41st St., New York, archt. Noted Nov. 1.

D. C., Wash.—TEMPLE—Almas Temple Ancient Arabic Order of Nobles of Mystic Shrine, 1311 K St., bids about Jan. 1, general contract temple, 1313 K St. N. W. $200,000. A. H. Potts, Albee Bldg., archt. Noted Nov. 15.

Va., Richmond—OFFICE—Chesapeake & Potomac Telephone Co., 7th and Grace Sts., bids about Jan. 1, 7 story annex. $1,000,000. Voorhees, Gmelin & Walker, 101 Park Ave., New York, archts.

Ga., Atlanta—OFFICE—Singer Sewing Machine Co., Real Estate Dpt., 149 Bway., New York, bids about Jan. 2, 3 story, basement, rein.-con., brick, Peachtree St. $150,000. Hentz Adler & Shultz, Candler Bldg., archts.

O., Cleveland Heights (mail Cleveland)—APARTMENT—H. Woronkoff, 3606 East 146th St., Cleveland, taking bids 4 story, 72 x 76 ft., brick, steel, Yorkshire Rd. $150,000. A. Wasserstrom, Auditorium Garage Bldg., Cleveland, archt.

Mich., Detroit — APARTMENT — C. N. Agree, archt., 1140 Book Tower Bldg., taking bids 3 story, basement, rein.-con., brick, steel, stone, plain found., Dexter Blvd., for J. Berman, 1317 Dime Bank Bldg. $200,000.

Ill., Chicago — APARTMENT — H. G. Holsman, archt., 307 North Michigan Ave., taking bids 13 story, basement, 50 x 50 ft., rein.-con., brick, stone, 1321 East 56th St., for Syndicate, c/o architect. $400,000.

Ill., Chicago — HOSPITAL — Coolidge & Hodgdon, archts., 134 South La Salle St., bids about Dec. 24, 6 story, 100 x 150 ft., rein.-con., brick, stone, plain found., 57th St. and Drexel Ave., for University of Chicago, 189 West Madison St. $500,000. Noted Nov. 8.

Ill., Chicago — HOSPITAL — J. W. McCarthy, archt., 139 North Clark St., taking bids 5 story, basement, rein.-con., brick, stone, 93rd St. and California Ave., for Little Company of Mary, 4130 Indiana Ave. $1,000,000.

Ill., Chicago — HOTEL — A. A. Klein & Co., 77 West Washington St., taking bids 6 story, 81 x 117 ft., brick, terra cotta, 1519-25 Warren Ave. $450,000. B. A. Comm, 20 West Jackson Blvd., archt.

Ill., Chicago—OFFICE—A. S. Alschuler Inc., archts., 28 East Jackson Blvd., taking bids 5 story top addition, Van Buren and La Salle Sts., for Utilities Building Corp., 327 South La Salle St. $500,000.

Minn., Minneapolis—BANK, DEPARTMENT STORE, OFFICE—Jan. 3, by Northwestern Natl. Bank Building Co. (Northwestern Natl. Bank, Marquette Ave., and L. S. Donaldson Co., 6th St. and Nicollet Ave.), H. B. Waite, chn. building comn., Frontinac Bldg., 16 story, basement, 132 x 330 ft., rein.-con., brick, steel, Marquette Ave. between 6th and 7th Sts. $4,000,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., archts. Noted Nov. 1.

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Mo., St. Louis—BANK—Nolte & Nauman, archts., 614 Fullerton Bldg., bids about Jan. 10, 1 and 2 story, basement, 150 x 150 ft., rein.-con., brick, stone, Natural Bridge and Newstead Aves., for Natural Bridge Bank, Natural Bridge and Newstead Aves. $200,000.

Mo., St. Louis—COMMERCIAL—Harry Newman, Inc., H. Newman, pres., 4515 South Kingshighway, bids about Feb. 14, 2 story, basement, rein.-con., brick, stone, terra cotta, Kingshighway and Bancroft St. $250,000. Engineer and architect not selected.

Tex., San Antonio — APARTMENT — E. Dittmar Impvt. Co., 505 Howard St., taking bids superstructure 10 story, basement, brick, steel, terra cotta, Laurel and West Cypress Sts. M. I. Diver, Calcasieu Bldg., engr. R. Vandegstratted, Travis Bldg., and Herff & Jones, San Antonio Loan Trust Co. Bldg., archts. Noted Sept. 20.

Tex., Temple—CITY HALL—City, c/o G. E. Byars, city mgr., City Hall, taking bids 3 story, part basement, 110 x 130 ft., brick, rein.-con., plain found. $125,000-$150,000. Noted Nov. 29.

Wash., Seattle—COUNTY-CITY—Jan. 19, by Comrs. King Co., 5 story fireproof addition, 3rd Ave. and St. James St., for City and King Co. $2,210,000. H. Bittman Securities Bldg., J. L. McCauley, Alaska Bldg., archts. Noted May 3.

Wash., Seattle — OFFICE — United Exchange Building, Inc., Railway Exch. Bldg., bids about Feb. 1, 18 story, Marion St., 1st and 2nd Aves. $3,500,000. J. Graham, Dexter Horton Bldg., engr. and archt.

Calif., Glendale — APARTMENT — See "Proposed Work."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco — AMERICAN LEGION MEMORIAL—San Francisco War Memorial Com., 140 Montgomery St., bids about Jan. 5, brick, terra cotta, Van Ness Ave., for City and San Francisco County. $2,000,000.

Contracts Awarded

Massachusetts — EXCHANGES — New England Telephone & Telegraph Co., State St., Boston, 1 and 2 story, brick, plain founds., one each in Nantucket and Vineyard Haven, to Sawyer Constr. Co., 16 Arlington St., Boston. Est. $150,000.

Mass., Allston (sta. Boston) — APARTMENT — I. Zieman, 333 Washington St., Boston, 3 story, basement, brick, stone, plain found., Allston St. corner York St., separate contracts. $175,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Mass., Andover—SOCIETY—A. G. C. Society, Phillips Andover Academy, 3 story, basement, brick, plain found., College Ground, to Lowell-Whipple Co., 44 Portland St., Worcester. Est. $150,000.

Mass., Roxbury (sta. Boston)—APARTMENTS—C. & S. Investment Co., 310 Harvard St., Brookline, 8 units, each 3 story, basement, 3,500 sq.ft. floor space, brick, stone, plain founds., Maple St., separate contracts. $500,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Roxbury (sta. Boston)—APARTMENT—Owner, c/o M. Louis, archt., 73 Cornhill, Boston, 3 story, basement, 80 x 240 ft., brick, stone, plain found., Seaver St. corner Maple St., separate contracts. $400,000.

Mass., Roxbury (sta. Boston)—APARTMENTS—L. Zieman, 167 Homestead St., Roxbury, 2 units, 3 story, basement, brick, stone, plain founds., Walnut Park separate contracts. $150,000. Silverman & Brown, 51 Cornhill, Boston, archts.

N. Y., Albany—STATE OFFICE—A. E. Smith, governor and chn. State Building & Site Comn., Capitol, general contract completing 33 story, state office building, to

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Buildings—Commercial (Continued)

Seglin-Harrison Constr. Co., Walbridge Bldg., Buffalo, $1,083,276; heating, to Power Efficiency Corp., 137 Arthur St., Buffalo, $254,268; sanitary work, to T. O'Brien, 6311 5th Ave., Brooklyn, $207,988; electrical work, to W. H. Taverner Corp., 175 5th Ave., New York, $320,000; vault work, to Diebolt Safe & Lock Co., 372 Bway., New York, $125,484. Grand total $1,991,016. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—C. Cassio & Co., 2106 77th St., 4 story, 90 x 100 ft., brick, timber, separate contracts. $150,000. J. Lubroth, 44 Court St., archt. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — Corporation, c/o M. Goldberg, 16 Court St., 6 story, 87 x 120 ft., brick, timber, to Drapkin & Goldberg Constr. Co., 16 Court St. Est. $200,000. Contractor taking bids on separate contracts. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — S. Funt, 1515 West 1st St., 4 story, 88 x 120 ft., brick, timber, separate contracts. $150,000. M. Rothstein, 186 Joralemon St., archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Leuzzi Holding Corp., 659 Bay Ridge Ave., 5 story, 85 x 113 ft., brick, timber, separate contracts. $165,000. A. J. Simberg, 1133 Bway., New York, archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Murray-Allen Realty Corp., R. R. Danzilo, pres., 50 Court St., 6 story, 100 x 100 ft., brick, timber, separate contracts. $200,000. S. L. Malkind, 93 Court St., archt. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — C. Resnikoff, 6820 19th Ave., 4 story, 64 x 94 ft., brick, timber, separate contracts. $150,000. S. C. Rice, 316 West 56th St., New York, archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Samfield Holding Corp., 1355 Ocean Parkway, 6 story, 90 x 100 ft., brick, timber, separate contracts. $200,000. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — J. Siegel, 285 Buffalo Ave., 6 story, 87 x 95 ft., brick, timber, separate contracts. $230,000. E. M. Adelsohn, 26 Court St., archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Weiss Bros., 350 Stone Ave., 6 story, 100 x 107 ft., brick, steel, separate contracts. $215,000. Cohn Bros., 361 Stone Ave., archt. Noted Dec. 6.

N. Y., Flushing — APARTMENT — J. Kohneisio, 22 Bella Pl., Maspeth, 4 story, 93 x 104 ft., brick, timber, separate contracts. $200,000. McManus & Griffith, 11 East 42nd St., New York, archts. Noted Dec. 6.

N. Y., Hollis (br. Jamaica) — APARTMENT — Rodman & English, apartment, 200th St. and 114th Ave., separate contracts. $150,000. Private plans.

N. Y., Jamaica—APARTMENT—Woodhaven Housing Corp., 90-32 Sutphin Blvd., apartment, 84th St. and 134th Ave., separate contracts. $250,000. Private plans.

N. Y., Long Island City—APARTMENT—Sixty-One Sanford Avenue Corp., 103 Park Ave., New York, 6 story, 90 x 120 ft., brick, timber, separate contracts. $210,000. W. A. Creamer, Bible House, New York, archts. Noted Dec. 6.

N. Y., Long Island City—APARTMENTS—V. Coronoto, 31-13 21st St., two 4 story, one 50 x 88 ft., other 75 x 90 ft. apartments, separate contracts. $150,000. V. Schiller, 30-64 41st St., Astoria, archt. Noted Dec. 6.

N. Y., New York — APARTMENT — B. Berkowitz, 3150 Rochambeau Ave., 6 story, 75 x 103 ft. apartment, Park View and Morris Park Aves., separate contracts. $200,000. G. Meisner, 4197 Park Ave., archt. Noted Nov. 29.

N. Y., New York — APARTMENT — Ciluzzi Realty Co., R. Ciluzzi, pres., 200 West 72nd St., 6 story, brick, timber, 22 Northern Ave., separate contracts. $225,000. G. F. Pelham, 570 7th Ave., archt. Noted Dec. 6.

N. Y., New York—APARTMENT—Corporation, c/o H. Cohn, 221 West 82nd St., 6 story, 90 x 100 ft., brick, timber, Spofford Ave. and Tiffany St., to Cohn Bros. Contg. Corp., 221 West 82nd St. Est. $185,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o H. Lebow, 1 Audubon Ave., 5 story, 80 x 100 ft., brick, timber, 168th St. and Audubon Ave., to Kennilworth Contg. Co., 1 Audubon Ave. Est. $225,000. Noted Dec. 6.

N. Y., New York—APARTMENT—Four Hundred Fifty-Three West 34th Street Corp., M. Schroeder, pres., 420 Lexington Ave., 16 story, brick, steel, 455 West 34th St., separate contracts. $400,000. W. L. Rouse, 512 5th Ave., archt. Noted Nov. 27.

N. Y., New York—APARTMENT—Jaymars Realty Corp., A. Tomback, pres., 209 West 145th St., 6 story, brick, timber, 208 West 151st St., separate contracts. $225,000. Lang & Rosenberg, 1440 Bway., archts. Noted Nov. 29.

N. Y., New York — APARTMENT — Kaurander Realty Corp., 366 5th Ave., 15 story, 94 x 102 ft. apartment, 25 West 86th St., separate contracts. $700,000. M. Courland, 366 5th Ave., archt. Noted Nov. 22.

N. Y., New York — APARTMENT — J. Meyer, 308 Rivington St., 6 story, brick, steel, to Meyer Constr. Corp., 308 Rivington St. Est. $300,000. Noted Nov. 29.

N. Y., New York — APARTMENT — One Hundred Fifty-Five East 52nd Street Corp., S. Polski, pres., 343 Lexington Ave., 9 story apartment, separate contracts. $500,000. J. M. Felson, 250 West 57th St., archt. Noted Nov. 29.

N. Y., New York — APARTMENT — D. School, 515 Courtlandt Ave., 5 story, 87 x 100 ft., brick, timber, separate contracts. $160,000. C. Kreymborg, 2534 Marion Ave., archt. Noted Nov. 29.

N. Y., New York — APARTMENT — Thirty-One MacDougal Street Corp., N. J. Rosenberg, pres., 11 East 44th St., 6 story, 35 x 75 ft., brick, timber, separate contracts. $150,000. J. B. Peterkin, 285 Madison Ave., archt. Noted Dec. 6.

N. Y., New York—APARTMENT—Three Hundred Twenty-Seven Central Park West Corp., 55 West 42nd St., 16 story, 75 x 150 ft., brick, steel, 327 Central Park Ave., to N. Korn, 55 West 42nd St. Est. $700,000. Contractor taking bids on separate contracts. Noted Dec. 6.

N. Y., New York—APARTMENT—Watben Realty Co., S. Rubin, pres., 391 East 149th St., apartment, Tremont and Daly Aves., separate contracts, $235,000. L. Pisciotta, 1912 Arthur Ave., archt.

N. Y., New York—APARTMENTS—Ben Gold Homes, Inc., 1719 St. Peters Ave., two 6 story, 91 x 99 ft. apartments, Hayland and Olmstead Aves., separate contracts. $300,000. S. J. Kessler, 332 East 149th St., archt. Noted Nov. 29.

N. Y., New York—STOCK and SHOWROOMS, OFFICE—Heights Property Corp., S. Herowitt, pres., 353 Fort Washington Ave., stockroom, and showroom and office building, 657 West 182nd St., separate contracts. $150,000. C. Kreymborg & Son, 2534 Marion Ave., archt.

N. Y., New York—STORE and APARTMENT — Corporation, c/o A. Rosenstock, 1315 Westchester Ave., store and apartment, Croes and Watson Aves., to Fanstock Constr. Corp., 1315 Westchester Ave. Est. $150,000. Contractor taking bids on separate contracts. Noted Nov. 29.

N. Y., Richmond Hill (Ind. br. Jamaica) —APARTMENT—L. Shaffer, 26 Court St., brick, timber, separate contracts. $350,000. Seelig & Finkelstein, 66 Court St., Brooklyn, archts. Noted Dec. 6.

N. J., Newark—ARENA—Newark Garden Corp., J. Wallen, pres., 111 Bway., New York, general contract 1 story, basement, 250 x 322 ft., rein.-con., brick, steel, plain found., 540-54 Odgen St., to Blumenthal Associates, 55 West 42nd St., New York. Est. $1,507,000. Former contract rescinded. Noted Nov. 17.

N. J., Paterson—OFFICE—Northern New Jersey Realty Co., J. E. Glassen, pres., 155 Ellison St., general contract 4 story, basement brick, steel, rein.-con., plain found., Market St., to F. G. Pettet Constr. Co., 9 Colt St. Est. $150,000.

N. J., Rutherford — APARTMENT — Bergen Natl. Constr. Co., 68 Orient Way, 5 story, basement, 75 x 125 ft., brick, steel, plain found., separate contracts. $180,000. Private plans. Noted Dec. 13.

N. J., Woodbury—APARTMENT—Evergreen Apartments, Inc., Land Title Trust Bldg., Phila., Pa., 4 story, basement, 44 x 115 ft., 42 x 86 ft., and 58 x 62 ft., brick, steel, plain found., to Nelson-Pedley Co., Corn Exch. Bldg., Phila., Pa. Est. $300,000. Noted Nov. 15.

Pa., Media—APARTMENT—H. Drayman, 3 story, basement, 54 x 127 ft., brick, steel, plain found., State St., to A. G. Morrison, Ardmore. Est. $150,000. Noted July 28, 1927.

Pa., Norristown—COURT HOUSE—W. C. Irwin, controller Montgomery Co., Court House, general contract altering and constructing 6 story, basement, rein.-con., limestone, steel addition, to H. E. Baton, 7113 Sansom St., Phila., $713,200; heating and ventilating also plumbing, to S. Farth Co., 2427 Penna Ave., $76,547 and $49,500 respectively. Grand total $839,247. Noted Oct. 25.

Pa., Phila.—APARTMENT—F. Stroglia, 5245 Whitby Ave., 4 story, basement, 214 x 216 ft., rein.-con., brick, plain found., Manheim and Wissahickin Aves. Owner builds. H. H. Kline, 709 Chestnut St., archt.

Md., Baltimore — HOSPITAL — J. E. Sperry, archt., Calvert Bldg., 3 story, irregular shaped, brick, steel, boiler room and laundry, to Frainie Bros. & Haigley, 1 West Franklin St., for Hospital for Women of Maryland, Lafayette and John Sts. Noted Nov. 15.

Ala., Mobile — OFFICE — Merchants Securities Corp., St. Francis St., 18 story, 75 x 125 ft., brick, steel, limestone, granite, rein.-con., concrete found., to Smallman Constr. Co., 1109 5th Ave., Birmingham. $800,000. Noted Nov. 1.

O., Cleveland — APARTMENT — S. A. Adams, Swetland Bldg., masonry contract 4 story, 40 x 120 ft., brick, to Tepper & Lissowitz, 3616 East 146th St. Est. $150,000. Noted Nov. 22.

Ill., Chicago—ARMORY—Perkins, Chatten & Hammond, archts., 160 North La Salle St., general contract 2 story armory, incl. 224 x 352 ft. drill hall, 131 x 237 ft. stables, to Great Lakes Constr. Co., 30 South Wabash Ave., for State of Illinois, Springfield, and One Hundred and Twenty Fourth Field Artillery, 3401 Westworth Ave., Chicago. Est. $500,000. Noted Oct. 11.

Ill., Chicago—STORE—Mundie & Jensen, archts., 39 South La Salle St., general contract 6 story, basement, 45 x 120 ft., brick, to Starrett Building Co., 8 South Dearborn St., for Midwest Apparel Co., 39 South La Salle St. Est. $600,000. Noted Nov. 1.

Mo., St. Louis — APARTMENT — Jacob Rubin & Sons, 904 Chestnut St., 3 story, basement, rein.-con., brick, stone, terra cotta, 3 units, 24 apartments each, Clayton Ave. near Skinker Ave., own forces. $250,000.

Mo., St. Louis — APARTMENT — H. Mayer, 3617 South Grand Blvd., 10 story, basement, 132 x 139 ft., rein.-con., brick, stone, terra cotta, Magnolia and Lawrence Sts., own forces. $750,000.

Mo., St. Louis — APARTMENT — Park Plaza Building Corp., c/o Koplar Co., 265 Union Blvd., 28 story, 2 basement, 200 x 216 ft., rein.-con., brick, stone, granite, steel, terra cotta, Kingshighway and Maryland Ave., separate contracts. $5,000,000. Brussel & Viterbo, Arcade Bldg., engrs. L. O. Schopp & E. J. Banman, 114 North 7th St., archts.

Tex., San Antonio — APARTMENT — J. Morris, 811 Brady Bldg., 3 story, 52 x 150 ft., rein.-con., brick, plain found., Bway. and Post St. $150,000. Owner builds. Owner taking sub-bids excavation, concrete foundation, steel, brick work, plumbing, refrigeration, heating, etc. A. Miller, 925 Fredericksburg Rd., archt.

Wash., Seattle—OFFICE, STORE, GARAGE—Forty-Fifth & Brooklyn Corp., 7 story, basement, fireproof office and store, incl. garage in basement, 45th and Brooklyn Sts., to C. F. Martin, Seaboard Bldg., $400,000.

Calif., Glendale—APARTMENT—W. B. Easterday, c/o E. O. Grymes, archt., 2157 Marathon St., Los Angeles, 8 story, basement, 150 x 175 ft., steel, brick apartment. Work will be done under supervision of architect on sub-contract system.

Calif., Los Angeles — APARTMENT — Hope Street Associates, Inc., 6 story, basement, 50 x 185 ft., rein.-con., South Hope St., to G. G. Stuart, 5119 Avalon Blvd., $175,000.

Calif., Marysville—MAUSOLEUM—Amer. Mausoleum Co., c/o L. C. Petersen, archt., California State Life Bldg., Sacramento, rein.-con., marble, bronze mausoleum, to McGillivary Constr. Co., 65th Ave. and Folsom Blvd., Sacramento, $200,000.

Calif., San Francisco—APARTMENT—O. E. Anderson, 483 15th Ave., 5 story, basement, steel, concrete, day labor. $150,000. Irvine & Ebbets, Call Bldg., archts. Noted Nov. 1.

B. C., Victoria—HOTEL—Canadian Pacific Ry., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., rein.-con., brick, stone addition to Empress Hotel, Douglas St., to Carter, Halls-Aldinger Co. Ltd., 500 Beatty St., Vancouver, $1,000,000.

Buildings—Educational, Religious

Proposed Work

Mass., Barnstable—SCHOOL—Town, S. F. Scudder, chn. building com., sketches by Haynes & Mason, 288 Main St., 2 story, basement, brick addition, incl. gymnasium, plain found. $175,000-$200,000. Noted Aug. 9.

Mass., Cambridge (br. Boston)—DORMITORY and DINING HALL—Harvard College 3 story, basement, brick, stone, plain found., College Grounds. $300,000. Engineer and architect not selected.

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Buildings—Educational, Religious (Cont.)

Mass., Northampton — SCHOOL — Clark School for Deaf, 46 Round Hill, brick, steel school. $150,000 or more. Engineer and architect not selected.

Mass., Springfield—CHURCH—Episcopal Society, T. Davies, bishop, 37 Chestnut St., brick, stone, in East Springfield. $200,000. Engineer and architect not selected.

Mass., West Roxbury (sta. Boston) — CHURCH—St. Theresa's Roman Catholic Church, F. W. Lyons, pastor, Centre St., sketches by Maginnis & Walsh, Statler Bldg., Boston, 1 story, basement, 150 x 185 ft., brick, granite, plain found., Centre and Cottage Sts. $250,000. Noted Oct. 25.

R. I., Newport—CHURCH—A. J. Murphy, archt., 25 Fenner St., Providence, soon lets contract 1 story, basement, brick stone, plain found., Vernon St. and Bway., for Portuguese Roman Catholic Church, W. A. Hickey, pastor. $150,000. Noted Sept. 20.

Conn., West Hartford (br. Hartford)—SYNAGOGUE—Beth Israel Congregation, 21 Charter Oak Ave., Hartford, soon lets contract 2 story, basement, brick, stone, Farmington Ave. $200,000. C. R. Greco, 11 Beacon St., Boston, Mass., archt. Noted Dec. 6.

N. Y., Buffalo—SCHOOL—Academy of Sacred Heart plans by Bley & Lyman, archts., 505 Delaware Ave., 70 x 285 ft., brick, stone, Maynard Dr. and Eggert Rd. $200,000.

N. Y., New York—HOME for AGED—Home for Old Men and Aged Couples, J. G. Jackson, in charge, 112th St. and Amsterdam Ave., soon lets contract home, 112th St. and Amsterdam Ave. E. Keblon, 522 5th Ave., archt.

N. Y., New York—MUSEUM—Museum of City of New York, plans by J. H. Freedlander, 681 5th Ave., 5 story, 150 x 193 ft. museum, 1220 5th Ave. $1,000,000. Noted Apr. 12.

N. J., Caldwell — HIGH SCHOOL — Bd. Educ., Boro Hall, plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, rein.-con., brick, steel, plain found. $150,000. Noted Dec. 6.

N. J., Closter—SCHOOL—Bd. Educ., Main St., plans by Lee & Hewitt, 152 Market St., Paterson, 2 story, basement, brick, steel, rein.-con., plain found., Main and High Sts. $265,000. Noted Dec. 13.

N. J., Hackensack—SCHOOL—Bd. Educ., 355 State St., 2 story, basement, brick, steel, plain found., Union St. $150,000. Engineer and architect not selected.

N. J., Middletown—SCHOOL—Bd. Educ., W. M. Petingdale, dist. clk., 2 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—MUSEUM—New Jersey Historical Society, West Park St., sketches by J. H. and W. C. Ely, 605 Broad St., 3 story, basement, 118 x 120 ft., rein.-con., brick, steel, plain found., Bway. and Taylor Sts. $300,000. Noted Dec. 13.

Md., Baltimore — PHYSIOLOGY — Johns Hopkins University, Wolfe and Monument Sts., soon lets contract 6 story, basement, 71 x 96 ft., rein.-con., brick, steel addition, Wolfe and Monument Sts. Former bids rejected. Van Rensselaer Saxe, Knickerbocker Bldg., engrs. Allen & Allen, 1 East Lexington St., archts. Noted Dec. 13.

D. C., Wash.—GYMNASIUM and ASSEMBLY HALL—District Comrs., District Bldg., revised plans gymnasium and assembly hall for Takoma School. Former bids rejected. Noted Nov. 1.

Ky., Covington — GYMNASIUM — See "Unclassified."

Ky., Louisville — HIGH SCHOOL — Bd. Educ., 8th and Chestnut Sts., plans by T. M. Cooley, c/o owner, boys high school, on 420 x 900 ft. site, 1st, 2nd, Lee and Avery Sts.

Ind., Laketon—SCHOOL—School Trustees L. Hill, trustee, plans by E. H. Brown, 309 1st Natl. Bank Bldg., Fort Wayne, 2 story, basement, 100 x 100 ft., brick, steel grade and high school in Pleasant Twp. $150,000.

Mich., Fordson (br. Detroit)—SCHOOL—Bd. Educ. plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, and soon take bids 3 story, basement, rein.-con., brick, steel, stone, plain found. $350,000. Noted Nov. 29.

Mich., Muskegon—SCHOOL—Bd. Educ., L. L. Taylor, supt., 2 story, basement, concrete, brick, steel, stone, plain found., West Park St. $150,000. Engineer and architect not selected.

Ill., Chicago — COLLEGE — Catholic Bishop of Chicago, 719 Cass St., plans by J. W. McCarthy, 139 North Clark St., 16 story, basement, on 100 x 252 ft. site, Sheridan Rd. near Devon Ave. $1,000,000.

Ill., Rockford—SCHOOL—Bd. Educ., E. J. Allen, pres., 615 South 4th St., soon takes bids 2 story, 97 x 211 ft., rein.-con., brick, stone school, incl. gymnasium, auditorium, Huffman and Custer Aves. $240,000. Peterson & Johnson, Swedish-American Bank Bldg., archts.

Mo., Columbia—UNIVERSITY—University of Missouri, S. D. Brooks, pres., plans by Jamieson & Spearl, Arcade Bldg., St. Louis, rein.-con., brick, stone auditorium building $1,000,000; library addition $301,000; building for extension division $125,000; agricultural engineering building $100,000; dairy building and equipment $275,000; education building $300,000; engineering building $250,000; geology building $150,000; nurses home $100,000.

Mo., St. Louis—CHURCH—Advent Evangelical Lutheran Church, c/o F. H. Reininga, 3523A South Grand Blvd., sketches by O. D. Schmidt, 3729 Humphrey St., 2 story, basement church. $150,000.

Okla., Alva—DORMITORY—State Bd. Affairs, Capitol, Oklahoma City, sketches by J. Hicks, 145 East 14th St., Oklahoma City, rein.-con., brick, plain found., on campus, for Northwestern State Normal School. $175,000.

Okla., Alva—SCHOOL—State Board Affairs, Capitol Oklahoma City, sketches by J. Hicks, 145 East 14th St., Oklahoma City, rein.-con., brick, plain found., on campus, for Northwestern State Normal School. $150,000.

Okla., Chickasha—DORMITORY—State Bd. of Affairs, Capitol, Oklahoma City, sketches rein.-con., brick dormitory on campus, for Oklahoma College for Women. $150,000. Engineer and architect not selected.

Okla., Chickasha—LIBRARY—Bd. of Affairs, Oklahoma City, sketches 3 story, rein.-con., brick, timber, plain found., on campus, for Oklahoma College for Women. $150,000. Engineer and architect not selected.

Okla., Chickasha — SCHOOL — Bd. of Affairs, Capitol, Oklahoma City, sketches rein.-con., brick home economics building plain found., campus, for Oklahoma College for Women. $150,000. Engineer and architect not selected.

Okla., Layton—SCHOOL—State Bd. of Affairs, Capitol, Oklahoma City, sketches 3 story, rein.-con., brick, plain found., for Cameron School of Agriculture. $150,000.

Colo., Colorado Springs — CHURCH — First Christian Church, T. H. Mathiesen, pastor, plans by T. I. MacLaren, Colorado Springs Natl. Bank Bldg., 1,000 seating capacity, concrete, brick, steel, stone, Cascade and Platte Aves. $150,000.

Calif., Fresno—CHURCH—First Presbyterian Church, fireproof, Calaveras and M Sts. $150,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. plans by Miller & Pflueger, 580 Market St., Jr. High School, 3 story, brick, rein.-con., Arguello Blvd. $400,000.

Calif., Los Angeles—COLLEGE—Mt. St. Mary's College, 3300 West Slausson Ave., fireproof, Bel-Air Dist. $1,000,000. Engineer and architect not selected.

Que., Westmount — CHURCH — United Church of Canada, Westmount Park, Melville Congregation, M. C. Clarke, pastor, steel, stone church. $199,000.

Ont., Dundas—HIGH SCHOOL—School Bd. plans by W. J. Walsh, Terminal Bldg., Hamilton, 2 or 3 story, basement, rein.-con., brick, steel, plain found. $150,000. Noted Nov. 22.

Ont., Kingston—TECHNICAL SCHOOL—Bd. Educ., 3 story, basement, concrete, brick, stone, steel. $250,000. Engineer and architect not selected.

Ont., Oshawa—TECHNICAL SCHOOL—Bd. Educ. soon takes bids 2 story, basement, rein.-con., brick, steel addition, plain found., incl. 22 rooms. $200,000. S. B. Coon & Sons, 4 St. Thomas St., Toronto, archts. Noted Nov. 8.

Ont., Toronto — COLLEGE and RESIDENCE—Victoria College, new college and students residence. $1,500,000.

Ont., Toronto—HIGH SCHOOL—School Bd., 40 Jarvis St., plans by Smith & Wright, 2338 Dundas St., 2 or 3 story, basement, rein.-con., brick, steel, plain found., Keele St. and Eglinton Ave. $150,000.

Ont., Windsor—SYNAGOGUE—Hebrew Congregation, J. Gelber of Gelber Furniture Co., chn., Pitt St., brick, steel, stone, Giles Blvd. $150,000. Engineer and architect not selected.

Sask., Regina—COLLEGE—St. Chad's College (Anglican Theological College), new building. $500,000.

Bids Asked

Mass., Brookline (br. Boston) — SCHOOL—Dec. 26, by Town and Little & Russell, archts., 20 Newbury St., Boston, 2 story, basement, brick, stone addition to Driscoll School, plain found., 64 Westborn Terrace. $180,000.

R. I., Little Compton — SCHOOL — Dec. 22 (extended date), by Town, J. W. Coombs, supt. Schools or E. M. Corbett, 70 Bedford St., archt., Fall River, 2 story, basement, brick, stone, plain found. $150,000. Noted Oct. 25.

N. Y., Buffalo—SCHOOL—Jan. 10, by Bd. Educ., 900 Genesee Bldg., Burgard Vocational School, Kensington Ave. near Fillmore St. E. Crimi, Genesee Bldg., city archt.

N. Y., Industry—SCHOOL—Jan. 31, by Superintendent Standards & Purchase, Capitol, Albany, school, for State Agricultural and Industrial School. Noted July 12.

N. J., Dunellen—SCHOOL—Bd. Educ., Old New Market Rd., bids about Jan. 15, 3 story, basement, 90 x 160 ft., brick, steel, rein.-con., plain found., 1st St. and Lincoln Ave. $200,000. Poggi & Bragdon, 275 Morris Ave., Elizabeth, and A. M. Korff, 203 Park Ave., Plainfield, assoc. archts. Noted Nov. 1.

N. J., Jersey City—PARISH HOUSE—Flagg & Stades, archts., 665 Newark Ave., bids about Jan. 15, general contract 3 story, basement, 50 x 115 ft., brick, steel, plain found., North St. and Summit Ave., for St. John's Lutheran Church, J. Kirsch, pastor, 153 North St. $150,000. Noted Nov. 1.

D. C., Wash. — MEDICAL — G. A. Didden, archt., Bond Bldg., taking bids general contract Medical School Building, for Georgetown University. $1,000,000. Noted Oct. 25.

Ind., Muncie — CHURCH and SUNDAY SCHOOL—Jan. 15, by Methodist Church, 3 story, 125 x 165 ft., brick, steel, stone, High and Adams Sts. $250,000. Houck-Smenner, 108 East Washington St., archts.

Ind., South Bend—SCHOOL—Jan. 11, by School Comrs., 2 story, basement, rein.-con., brick, stone, Main St. and Lafayette Blvd. $300,000. Austin & Shambleau, 111 North Lafayette Ave., archts. Noted July 19.

Ind., Southport—HIGH SCHOOL—Dec. 26, by School Comrs. Marion Co. (Indianapolis), C. S. Pollard, trustee, 4691 Madison Ave., Indianapolis, brick, steel, stone, incl. auditorium, gymnasium. $175,000. McGuire & Shook, 941 North Meridian St., Indianapolis, archts. Noted Sept. 20.

Mo., Clayton—SCHOOL—Mary Institute, Lake and Waterman Aves., St. Louis, bids about Jan. 5, 2 story, basement, rein.-con., brick, stone, Warson and Ladue Rds. $500,000. Study & Farrar, 1363 Arcade Bldg., St. Louis, archts.

Ark., Pine Bluff—SCHOOL—Jan. 10, by Bd. Trustees, Agricultural, Mechanical and Normal School, J. P. Womack, supt., new buildings. $400,000.

Wash., Seattle—CHURCH—A. H. Albertson, archt., Henry Bldg., bids about Jan. 10, 3 story, church, incl. auditorium, school library and gymnasium, West 65th St. and 23rd Ave. N.W., for Trinity Methodist Episcopal Church. $200,000.

Contracts Awarded

Mass., Brookline (br. Boston)—SCHOOL—Congregation Kehillath Israel, L. M. Epstein, rabbi, 384 Harvard St., 2 story, basement, brick, stone, plain found., to B. Steinberg, 6 Beacon St., Boston. Est. $150,000. Noted Nov. 22.

R. I., Providence—CONVENT—Franciscan Missionary of Mary, c/o J. F. Hogan, archt., Grosvenor Bldg., altering and constructing 1 and 2 story, basement, brick, addition, to O. and S. Lavigne, Weybosset St. Est. $150,000 or more. Noted Oct. 4.

Conn., New Britain—HIGH SCHOOL—J. M. Halloran, chn. School Comn., 4 story, brick, steel, 150 x 190 ft. high school, to Hayes Constr. Co., 9 Court St., $405,000. Noted July 5.

N. Y., Syracuse — CHAPEL — Syracuse University, C. W. Flint, city chancellor, Hendricks Memorial Chapel, to A. E. Stephens Co., 145 State St., Springfield, Mass. Est. $500,000. Noted Nov. 15.

N. J., Highlands—SCHOOL—Bd. Educ., 2 story, basement, brick, steel, plain found., Navesink, Water Witch and Linden Aves. $165,000.

D. C., Wash.—SCHOOL, CONVENT and COMMUNITY CENTER—Owner, c/o B. F. Moore, archt., Colorado Bldg., general contract school, convent and community center, 1900 Block 15 N.W., to M. A. Long Co., Long Bldg., Baltimore. Est. $400,000. Contractor taking tentative bids on separate contracts. Noted Nov. 8.

N. C., Greensboro—HIGH SCHOOL—City School Bd., Junior High School, 3 story, 20 room, brick, Asheboro St., to Angle-Blackford Co., Greensboro, $190,000.

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Buildings—Educational, Religious (Cont.)

Miss., Millsaps (Jackson P. O.) — SCIENCE HALL—Millsaps College, D. M. Key, pres., general contract 3 story, 104 x 160 ft., rein.-con., brick, stone, to I. C. Garber, Medical Bldg., Jackson, $127,500. Plumbing, to Fisher Butler, Jackson; heating, to Paine Heating Co., 127 South State St., Jackson. Noted Nov. 8.

Miss., Starkville — COLLEGE — C. H. Lindsley, archt., Lamar Life Bldg., Jackson, general contract three 3 story, 50 x 190 ft. one 3 story, 50 x 150 ft., rein.-con., brick, tile, terra cotta, to W. J. McGee & Son, Jackson, for Mississippi Agricultural & Technical College, Mississippi State Bldg., Jackson. $305,400. Noted Nov. 1.

Ind., Ft. Wayne — SCHOOL — School Comrs., E. Hoffman, trustee, 2 story, basement, 132 x 132 ft., brick, steel, Wayne Twp., to A. A. Ringwalt, 1231 Nuttman Ave. Est. $150,000.

Mich., Bloomfield Hills (Birmingham P.O.) — CHAPEL and MAUSOLEUM—White Chapel Cemetery Corp., 620 Book Bldg., 3 story, 150 x 365 ft., concrete, stone, steel, plain found., Long Lake Rd., to Otto Misch Co., 159 East Columbia St. Est. $250,000.

Mich., Bloomfield Hills (Birmingham P.O.)—SCHOOL—Christ Episcopal Church, Cranbrook School for Boys, Lone Pine Rd., 2 story, basement, concrete, brick, steel stone addition, plain found., to C. R. Wermuth, Cranbrook Rd. and Lone Pine Rd., Birmingham. Est. $150,000. Noted Dec. 6.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story, basement, 70 x 135 ft., rein.-con., brick, steel, plain found., to R. S. Knapp Co., 15518 Idaho Ave., $106,082; heating, to Card & Dawson, 3922 Garland Ave., $44,987. Noted May 24.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 3 story, 200 x 380 ft., rein.-con., brick, steel, stone, plain found., to M. A. Mahoney, 439 Penobscot Bldg., $358,000; steam heating, to J. W. Partlan, 14290 Goddard Rd., $105,600. Noted Nov. 22.

Mich., Ypsilanti—LIBRARY—Michigan State Normal, general contract 2 story, basement, 85 x 140 ft., rein.-con., brick, steel, plain found., college grounds, to Standard Constr. Co., Jackson, $169,500. Noted Oct. 25.

Ill., Chicago — SOCIAL SCIENCE — Coolidge & Hodgdon, archts., 134 South La Salle St., general contract 5 story, 60 x 158 ft., brick, stone, to F. H. Stowell Co., 111 West Monroe St., steel, to Mendnagel & Co., 600 West 22nd St., for University of Chicago, 189 West Madison St. Noted Aug. 9.

Ill., Maywood—SCHOOL—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, general contract 2 story, basement, brick, stone, for Bd. Educ., to Coath & Goss, 549 West Randolph St., Chicago; heating, to W. B. Graves Heating Co., 162 North Des Plaines St., Chicago; electrical work, to Newgard Co., 549 West Randolph St., Chicago; plumbing, to F. H. Ruhnke, Maywood. Est. $150,000. Noted Nov. 18.

Minn., Brainard—SCHOOL—Bd. Educ., L. F. Hohman, clk., general contract 2 story, basement, rein.-con., brick, stone, to E. Hirt & Son, St. Cloud, $266,765. Est. $450,000. Noted Nov. 15.

Minn., Virginia — HIGH SCHOOL — Bd. Educ., J. E. Hanson, clk., general contract 2 story, basement, 165 x 254 ft., rein.-con., brick Bedford stone, to Dohm Building Co., Kewatin, $334,400. Noted Nov. 22.

Calif., San Francisco—HIGH SCHOOL—Bd. P. Wks., general contract steel, concrete, brick addition to Polytechnic High School, to Mahony Bros., Flood Bldg., for City and San Francisco Co. $121,645. Noted Nov. 8.

Federal Government Work

Proposed Work

Pa., Pittsburgh—LOCK GATE, etc.—U. S. Engineer Office, lock gate and valve operating machinery for Deadman's Island Lock.

D. C., Wash.—ARCHIVES—Treas. Dpt., at office Acting Superv. Archt., tentative sketches by J. A. Wetmore, Treasury Dpt., National Archives Building, Louisiana Ave. N. W., 9th, 10th and C Sts. $8,750,000. Noted Aug. 2.

D. C., Wash. — CHEMISTRY and DORMITORIES — Howard University, Dpt. Interior, plans by A. I. Cassell, c/o owner, chemistry building, 6th St. and Howard Pl. N. W., $250,000; also 4 dormitories.

D. C., Wash. — NURSES HOME, etc. — Dpt. Interior soon takes bids general contract nurses home addition, employees home addition and power plant addition, for Freedman's Hospital. J. Berrell, Colorado Bldg., archt.

D. C., Wash. — MOTOR GENERATOR SETS—Spec. 5793—Bureau Yards & Docks, Navy Dpt., Wash., D. C., motor generator sets and switchboards at Navy Yards at Puget Sound, Wash., New York, N. Y., and South Boston, Mass.

N. C., Kitty Hawk—MONUMENT, etc.—Quartermaster General, U. S. Army, Wash., D. C., receiving competitive designs until Jan. 31, monument, with tower light and administration building, at Kills Devil Hill, here. Foundations to be constructed by government.

Ga., Savannah—DREDGING—U. S. Engineer Office, 1,523,616 cu.yd. Oyster Bed Island; 323,313 cu.yd. Kings Island, 93,315 cu.yd. Drakies Cut, in Savanah Harbor and Savannah River.

Missouri—PILE DIKES and REVETMENT—U. S. Engineer Office, Kansas City, 12,400 lin.ft. pile clump dikes in Miami Bend, 8,100 lin.ft. Rocheport Reach and Searceys Bend, 4,800 ft.—Little Blue Bend, 5,800 lin.ft.—Rising Creek Bend, 13,750—Burlington and Stanley Bend, 6,400 lin.ft.—Bernheimer Reach, 10,700 lin.ft.—Fishing River and Fire Creek Bend, 4,600 lin.ft.—Brunswick Bend, 8,600 ft.—Herman Reach, 3,700 lin.ft. Sissons Bend, 6,900 lin.ft. clump dikes and 13,500 ft. revetment in Moberly Bend, 3,700 ft. dikes and 4,000 ft. revetment in Sibley Bend, 4,200 ft. dikes and 7,800 ft. revetment in Baltimore Bend.

C. Z., Coco Solo — APARTMENT HOUSES, etc.—Spec. 5742—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 6 apartment buildings on timber piles, and timber piling for barracks and subsistence building, at Naval Air Station.

Bids Asked

R. I., Newport—REPAIRING DERRICK—Spec. 5620—Jan. 2, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Station. Noted Dec. 13.

N. Y., Brooklyn—LUMBER—Jan. 3, by Signal Supply Officer, Sig. Sect. New York General Depot, 58th St. and 1st Ave., Brooklyn, 5,500 ft. white pine, white pine boxes, stencil board, 2 multiple tile duct, etc.

N. Y., St. George—TOWER—Dec. 26, by Superintendent Lighthouses, Staten Island, 23 steel bodies with skeleton lantern tower for various types of gas buoys, all with bottom counterweights, some with bell and some with whistle.

D. C., Wash.—ELEVATORS—Jan. 8, by Treas. Dpt., at office Supervising Archt., Wash., D. C., removing and replacing elevators in U. S. Treas. Building; adv. E.N.-R. Dec. 20.

D. C., Wash.—HOSPITAL—Jan. 10 (extended date), by Constructing Quartermaster, Army Medical Center, isolation ward, laboratory, tuberculosis and observation wards Ward No. 3, altering 3rd floor administration building, baggage and effects building. Noted Nov. 22.

Va., Norfolk — METAL DOORS — Spec. 5785—Jan. 2, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Hospital.

O., Dayton — MAIL PLATFORM and LIFT—Jan. 11, by Treas. Dpt., at office Supervising Archt., Wash., D. C., new mailing platform and lift at U. S. Post Office; adv. E.N.-R. Dec. 20.

O., Wilmington—POST OFFICE — Jan. 17, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office; adv. E.N.-R. Dec. 20.

Nevada—RAILROAD—Spec. 5798—Dec. 26, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., 7 mi. railroad at Naval Ammunition Dpt., Hawthorne.

Calif., Oakland — DREDGING — Dec. 28, by U. S. Engineer Office, San Francisco, 476,000 cu.yd. place measurement in Oakland Harbor. Noted Nov. 1.

Calif., San Diego—ELECTRIC BRIDGE CRANE — Spec. 5787 — Jan. 9, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Air Station, Naval Operating Base. Noted Oct. 25.

Bids Received

Va., Yorktown—SPRINKLER SYSTEM — Spec. 5684—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Dec. 12, automatic sprinkler and fire resisting partitions at Naval Mine Depot, from Dominion Automatic Sprinkler Corp., 418 East Main St. Richmond, $9,300. Noted Dec. 6.

Fla., Lake City—ALTERATIONS—U. S. Veterans' Bureau, Arlington Bldg., Wash. D. C., Dec. 11, altering Building 4, U. S. Veterans' Hospital, from L. Fleisher Constr. Co., 620 Times Bldg., Orland, Fla. $51,434. Noted Nov. 22.

La., New Orleans—EARTHWORK—U. S. Engineer Office, Burdettel St. and River Front, Nov. 30, from J. S. Staton, Vidalia, 3,200 cu.yd. in Helena-Concordia Levee, at $0.35 per cu.yd., 5,800 cu.yd. Winterquarters Levee, 3,400 cu.yd. Botany Bay Levee 14,000 cu.yd. Fish Pond Levee, 10,390 cu.yd St. Joseph Levee, and 1,300 cu.yd. Ashley-Ardee Levee at $0.41 per cu.yd., all foregoing in Lower Tensas Levee Dist.; from Picard Constr. Co., Hock Bldg., 11,600 cu. yd. Brussley Levee and 11,000 cu.yd. Cassie Levee, $0.24, 16,500 cu.yd. Live Oak-Reliance Levee, $0.31, all foregoing in Atchafalaya Levee Dist. (Front); from Scott & Bros., Maritime Bldg., 45,500 cu.yd. Union Levee, $0.223; from Acme Constr. Co., Pointe-a-la-Hache, 49,000 cu.yd. Hermitage-Diamond Levee Dist. $0.16, 94,500 cu. yd. Union and Hermitage-Diamond Levee Dists. (combination) $0.20. Noted Nov. 22.

Ky., Louisville—WICKET IRONS—U. S. Engineer Office, P.O. Box 72, Dec. 4, wickets irons and horses and props for Bebout Weir of Dam 48, Ohio River, from Amer. Car & Fdry. Co., 4th and Missouri Sts., Jeffersonville, Ind., $2,750 and $12,500 respectively, combination $15,015. Noted Nov. 22.

Mich., Camp Custer (br. Battle Creek)—HEADQUARTERS, etc. — Constructing Quartermaster, Nov. 30, four buildings, from H. . Gove Constr. Co., Battle Creek, $14,672 (145 days). Noted Nov. 22.

Mich., Pontiac — REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., post office, from Devault & Deitrick, Canton, O., $155,700. Noted Nov. 15.

California—ROAD—Bureau Pub. Rds., Dpt. Agriculture, Sheldon Bldg., San Francisco, Dec. 6, grading, surfacing 12.36 mi. Paynes Creek-Susanville Rd., from C. R. Johnson, 309 North 14th St., Portland, Ore., $258,953. Est. $249,065. Noted Nov. 29.

Calif., San Diego—ELECTRICAL WORK—Spec. 5659—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Dec. 12, at Naval Air Station, from Globe Electric Wks., 302 6th St., $9,868. Noted Nov. 15.

Contracts Awarded

Mass., Bedford—ACUTE BUILDING—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., acute building, officers duplex quarters and utilities building, to J. S. Greenwood, 260 Tremont St., Boston, $329,000. Noted Dec. 6.

Mass., Boston—PUMP and ENGINE—Treas. Dpt., Wash., D. C., fire pump and gas engine at U. S. Quarantine Station, Gallops Island, to Worthington Pump & Machine Co., 201 Devonshire St., $4,139.

N. Y., Brooklyn—DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., 77,800 cu.yd. Newtown Creek, to Morris & Cumings Dredging Co., 15 Moore St., New York, at $0.72 per cu.yd. Noted Dec. 6.

N. Y., New York — DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., 409,000 cu.yd. Harlem River, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., $222,345. Noted Nov. 29.

Pa., Phila.—REPAIRING—U. S. Engineers Office, U. S. Dredge "Capt. Huston," to Phila. Navy Yard, Phila., $59,877.

Delaware and Maryland — DOLPHINS, etc.—U. S. Engineer Office, Wilmington, Del., mooring dolphins and boardwalks along Inland Waterway, to S. D. Collins, Port Penn., Del., $18,353. Noted Dec. 13.

Md., Annapolis—TURBO-GENERATOR, etc.—Spec. 5629—Bureau Yards & Docks, Navy Dpt., Wash., D. C., turbo-generator, auxiliary equipment at U. S. Naval Academy, to General Electric Co., River Rd., Schenectady, N. Y., $40,100 (180 days). Noted Dec. 6.

D. C., Wash.—BRIDGE—Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., Boundary Channel Bridge of Arlington Memorial Bridge Project, to N. P. Severin Co., 222 West Adams St., Chicago, Ill., $338,000 (400 days). Noted Oct. 25.

D. C., Wash. — RIP RAP SEAWALL FOUNDATION—U. S. Engineer Office, Navy Bldg., along Potomac and Anacostia Rivers, to Smoot Sand & Gravel Co., 3020 K St. N.W., $90,065. Noted Nov. 29.

Fla., Pensacola—CONCRETE BRIDGE—Spec. 5646—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Air Station,

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Federal Government Work (Continued)

to Newport Constr. & Eng. Co., Inc., Law Bldg., Newport News, Va. Est. $118,800 (360 days). Noted Dec. 13.

Ill., Rock Island—BOILERS—U. S. Engineer Office, for U. S. Towboat "Nauvoo," to Foster Marine Boiler Corp., 165 Bway., New York, $13,130.

Calif., San Francisco—REPAIRS—U. S. Engineer Office, to San Pablo, to General Eng. & Drydocking Co., 1100 Sansome St., $10,194.

Unclassified

Proposed Work

MEMORIAL PARK—**Northampton, Mass.**—City, Bd. Trustees, F. E. Dow, sketches by J. W. Beal, 185 Devonshire St., Boston, memorial park. $25,000 or more.

FIRE ALARM EQUIPMENT — **Jersey City, N. J.** — Bd. City Comrs., City Hall, soon lets contract fire alarm telegraph equipment, fire alarm telegraph boxes, c.i. pedestals, cross arms, simplex timers with cabinets, copper wire, electro mechanical gongs, etc. $25,000. C. A. Van Keuren, city engr.

BATHING POOL—**Paterson, N. J.**—Bd. Park Comrs., City Hall, concrete swimming pool in Westside Park. $30,000. F. W. Loede, city engr. Noted Nov. 15.

UNDERPASS — **Durham, N. C.** — City, Southern Ry. System, B. Herman, ch. engr., Wash., D. C., and Seaboard Air Line Ry., W. D. Faucette, ch. engr., Savannah, Ga., underpass at Pine St. and railroad crossing. $75,000.

TRANSMISSION LINE — **Greensboro, N. C.**—Duke Power Co., Charlotte, removing power lines and towers in western and northwestern section city, and constructing 7 mi new lines along general meanderings Buffalo Creek. Modern and improved types of material will be used.

ARENA and COLISEUM — **Covington, Ky.** — Tacoma Sports Coliseum, Inc., coliseum, 20,000 seating capacity arena, gymnasium, race track, boxing and wrestling ring. $250,000.

HIGH TENSION LINE—**Missouri**—Missouri Electric Power Co., Mountain Grove, 150 mi. high tension line along U. S. Hy. 66, between Marshfield and Cuba.

CONCENTRATION and REDUCTION PLANT—**Fredericktown, Mo.**—St. Louis Smelting & Refining Co., 722 Chestnut St., St. Louis, preliminary plans concentration and reduction plant, installing power lines on 800-acre lead mine tract, near here. Private plans.

GAS PIPE LINE—**Texas**—Tritex Oil Co., Gunter Bldg., San Antonio, bids in January, 70 mi. 8 in. gas pipe line from point in Zavalla Co. to Catarina. $250,000. Private plans.

OIL PIPE LINE — **Texas** — American Maracaibo Oil Co., 100 Bway., New York, purchased oil leases from Henshaw Oil Corp. in West Texas, and making preliminary plans trunk line from oil fields to point on Houston, Tex., ship channel. $7,000,000. Private plans.

OIL PIPE LINE, etc.—**Texas**—Sun Oil Co., 420 Lexington Ave., New York, preliminary plans 75 mi. 10 in. pipe line from point in Washington Co. to Liberty; 4 or 5 steel 60,000 bbl. storage tanks in Brenham, Washington Co. $200,000. Private plans.

NURSERY DEVELOPMENT — **Sweetwater, Tex.** — Texas Nurseries, Sherman, developing 43 acres for nurseries, incl. wells, electric pumps for irrigation. Private plans.

STILLS—**Cyril, Okla.**—Anderson-Prichard Co., Colcord Bldg., Oklahoma City, 2 high pressure cracking stills in refinery. $50,000. Private plans.

LIGHTING SYSTEM — **Santa Barbara, Calif.**—Ornamental lighting system (metal standards) on Loma Alta Dr. between Canyon Presidio and the Mesa. $30,000.

LIGHTING SYSTEM—**Stockton, Calif.**—City, 102 Duplex standards on Market, El Dorado, Hunter and Sutter Sts. $25,000 or more. W. B. Hogan, city engr.

GRAIN ELEVATOR — **Sarnia, Ont.**—Sarnia Elevator Co., G. Leach, mgr., plans by C. D. Howe & Co., 712 Whalen Bldg., Port Arthur, rein.-con. elevator addition, Waterfront. $40,000. Noted Nov. 8.

Bids Asked

ELEVATORS—**Albany, N. Y.**—Jan. 3, by A. E. Smith, governor and chn. State Building & Site Com., Capitol, elevators, completion State Office Building. Former bids rejected. Noted Dec. 6 under "Buildings Commercial."

GENERATOR—**Binghamton, N. Y.**—Jan. 23, by Commissioner Dpt. Mental Hygiene, Albany, electric generator for Binghamton State Hospital; adv. E. N.-R. Dec. 20.

ELECTRICAL WORK — **Kings Park, N. Y.**—Jan. 23, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, electrical work, rewiring Buildings B, C and D, at Kings Park State Hospital; adv. E. N.-R. Dec. 20.

BALCONIES, etc.—**New York, N. Y.**—Dec. 26, by B. S. Coler, comr. Dpt. P. Welfare, Municipal Bldg., enclosing balconies, screening window and door openings, in Metropolitan Hospital Dist., installing new steam, return hot and cold water mains in underground conduits, at Metropolitan Hospital, general construction, new balconies, south end Children's Pavilion, City Hospital Dist., all Welfare Island.

BORINGS—**New York, N. Y.**—Dec. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., wash and rock core borings, test pits on site Ward's Island Sewage Treatment Plant, Manhattan Boro. Noted Nov. 15 under "Sewers."

PARK IMPROVEMENTS, etc. — **New York, N. Y.** — Dec. 21, by W. R. Herrick, pres. Park Bd., Park Dpt., Arsenal Bldg., Central Park, paving roadway of bridge, approaches at Boston Rd. and Bronx River, Bronx Park, chain link wire fence around playground near school in St. Mary's Park, placing top soil on park lands, Joyce Kilmer Park, all foregoing Bronx Boro; improving playground, High Bridge Park, permanent park benches, concrete curbing, and repairing bow bridge, spreading course, sharp sand on bridle paths, all in Central Park; wrought iron fence, paving terrace Soldiers and Sailors Monument, Riverside Dr.; high chain link fence, Queens Boro Bridge Playground; galvanized chain link fences with gates, various parks; repairing cement walks, Bowling Green, Battery Pl. and Columbus Parks; cement walks, drainage, retaining wall, Isham Park; test borings for African Hall and Power Service Building and sheet metal work, etc. at Amer. Museum of Natural History, Manhattan Sq.; comfort station, Colonial Park; grading, fences, water supply, Fort Washington Park; permanent park benches, along Harlem River Driveway.

ELECTRICAL SYSTEM — **Rye Beach** (mail Rye), **N. Y.** — Jan. 7, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, electrical system in administration building and music tower at "Playland," Rye Beach. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 20.

FRESH AIR CAMP—**Long Branch, N. J.**—Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, taking new bids general contract fresh air camp, incl. 2 story, 42 x 96 ft. main building, two 2 story, 30 x 88 ft. dormitories, 1 story, 45 x 100 ft. service building, 1 story, 20 x 36 ft. infirmary, Ocean and Atlantic Aves., for Salvation Army, 120 West 14th St., New York. Est. $200,000. Former bids rejected. Noted July 26.

TUNNEL—**Cincinnati, O.**—Dec. 29, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 1,100 ft. 6 x 6 ft. rein.-con. tunnel for steam and water pipes. $26,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, engr.

CULVERTS—**Rock Rapids, Ia.**—Dec. 27, at office Auditor Lyon Co., 50 items culvert work. R. H. Fuller, Rock Rapids, co. engr.

CULVERTS — **Cimmarron, Kan.** — See "Bridges."

Contracts Awarded

TOWER—**Newport, R. I.**—City, A. J. MacIver, chn. com., stone tower, Miantonomi Memorial Park, to Carey Quarry & Constr. Co., 56 North Main St., Fall River, Mass. Est. $25,000.

SPECIAL WORK—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work (rails, frogs, and switches) Order 46, to Bethlehem Steel Co., 25 Bway., $36,990; Order 47, to Lorain Steel Co., 71 Bway., $35,714. Noted Dec. 6.

LIGHTING SYSTEM—**Forest Park, Ill.**—Chamber Commerce, lighting systems, incl. two 1,000 candle power lamps on decorative iron poles, set every 60 ft. on both sides Madison St. and Roosevelt Rd. from Harlem to Des Plaines Aves., to Electrical Contg. Co., 844 Rush St., Chicago. Est. $500,000.

TUNNEL KILN—**Mexico, Mo.**—A. P. Green Fire Brick Co., Unit 3 tunnel kiln for brick plant, 36,000 bricks daily, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O. Est. $300,000.

REFRIGERATOR CARS—**St. Louis, Mo.**—American Refrigerator Transit Co., Missouri Pacific Bldg., 13th and Olive Sts., 1,000 new refrigerator cars, 80,000 lb. capacity, to Pressed Steel Co., 310 South Michigan Blvd., Chicago, Ill. Est. exceeds $3,000,000.

OIL PIPE LINE—**Oklahoma**—Anderson-Pritchard Co., Colcord Bldg., Oklahoma City, 40 mi. 4 in. oil pipe line between Cyril refinery and Walters, to Meadors & Whitaker, Burkburnett, Tex., $121,000. Est. $125,000.

OIL PIPE LINE — **Oklahoma** — Indian Territory Illuminating Oil Co., Bartlesville, W. P. Sutton, supt., surveys 20 mi. 8 in. oil pipe line from new oil fields at Oklahoma City to trunk pipe line at McCloud. $100,000. Private plans.

OIL PIPE LINE — **Oklahoma** — Indian Territory Illuminating Oil Co., Bartlesville, W. P. Sutton, supt., surveys 35 mi. 8 in. oil pipe line from Crescent to Oklahoma City. $100,000. Private plans.

GUARD RAILS—**California**—State Hy. Dpt., Sacramento, 3.1 mi. timber guard rails on Dublin-Hayward Hy., Alameda Co., to L. J. Immel, 1031 Evelyn St., Berkeley. $10,545.

OVERHEAD CROSSING — **California** — C. H. Purcell, state hy. engr., Sacramento, replacing old subway with six 40 ft. and eleven 30 ft. span rein.-con. encased steel girder overhead crossing over Southern Pacific Ry., also 100 ft. rein.-con. arched culvert, 20 ft. clear span at Rincon Creek, Santa Barbara Co., to P. M. White, 728 21st Pl., Santa Monica, $97,258. Noted Nov. 15.

ICE BREAKER — **Ottawa, Ont.** — Dominion Govt., 200 ft. ice breaker, 42 ft. wide, 3,000 hp., to St. John Dry Dock Co., St. John, N. B., $759,000.

Materials

Bids Asked

FUEL OIL—**Long Island City, N. Y.**—Dec. 24, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 425,000 gal. fuel oil; 25,000 tons steam ashes, in scows, alongside dock; 10,000 tons steam ashes in 5th Ward; 900 tons of asphaltic cement in tight containers; 15,000 cu.yd. asphalt sand, 6,000 cu.yd. concrete paving sand, and 5,000 cu.yd. screenings in scows alongside dock.

RIP RAP—**New York, N. Y.**—Dec. 24, by P. J. Dooling, comr. Purchase, Municipal Bldg., rip rap to Dpt. Plant & Structures.

STONE, GRAVEL, etc.—**Kokomo, Ind.**—Dec. 27, by Comrs. Howard Co., at office O. O. Butcher, aud., crushed stone, gravel, gravel crusher, creosote flooring, sewer pipe, gasoline, lubricating oil and greases.

PIPE, VALVES, etc.—**Milwaukee, Wis.**—Dec. 28, by Central Bd. Purchases, J. W. Nicholson, purch. agt., 8,500 tons 6- to 16-in. water pipe; 400 tons special castings, 50 tons offsets, eleven ¾ in. special tapping sleeves and clamps; corporation cocks; stop cock boxes; 2,000 extension pieces; nine hundred fifty 6- to 16-in. gate valves; two hundred thirty-five 2- to 6-in. tapping valves.

GRAVEL—**Houston, Tex.**—Jan. 2, by H. L. Washburn, aud. Harris Co., 5,000 tons topping gravel for Precinct 3. A. J. Wise, Houston, co. engr.

Bids Received

MOTOR OIL—**Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Dec. 13, 300,000 gal. motor oil to Bureau Street Cleaning, from Explosive Chemical Co., 2 Lafayette St., New York. $4,800; 300,000 gal. gasoline in drums, from Warner Quinlan Co., 32 Beaver St., New York, $35,730. Noted Dec. 6.

Contracts Awarded

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson, purch. agt., 10,000 bbl. portland cement, to Froemming Corp., Green Bay Ave. and Gruber St., at $2.02 per bbl. Noted Nov. 15.

Foreign

Hawaii, Honolulu — G. S. Underwood, archt., Hibernian Bldg., Los Angeles, Calif., taking bids 2 and 4 story, brick, timber hotel, for W. Gustin, c/o architect. $350,000.

Porto Rico—Pan American Airways, 36 St., Miami, Fla., soon lets contract airport, Grande Island, San Juan.

South America, Chili, Santiago—Ministry of Education constructing school for 4 year period, from Foundation Co., 120 Bway., New York. Est. $7,200,000.

See proposal advertising on page 122

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UNIT PRICES

Hydro-Electric Development—Eugene, Ore.

Water Board, C. A. McClain, superintendent, opened bids June 5, Leaburg hydro-electric development on McKenzie River, Contract "F," headworks; Contract "G," canal and tailrace; Contract "H," forebay, penstocks, siphons and power house No. 2. Lowest two and highest bidders are given on each contract. A. Guthrie & Co., Sherlock Bldg., San Francisco, Calif., was successful bidder on the three contracts. Bidders are: Contract "F," (A) A. Guthrie & Co.; (B) Lord & Bishop; (C) Folwell Engineering Co.; Contract "G," (A) A. Guthrie & Co.; (B) George Mitchell Co.; (C) Casseday Engineering & Construction Co.; Contract "H," (A) A. Guthrie & Co.; (B) Utah Construction Co.; (C) Henry & McFee Contracting Co. Stevens & Koon, Spalding Bldg., Portland, consulting engineers.

CONTRACT F

	A	B	C
Clearing and grubbing (lump sum)	$750.00	$800.00	$3,000.00
Cofferdams and care of water	45,000.00	30,000.00	102,600.00
3,000 cu.yd. trench excav. (common)	3.50	4.00	3.67
360 cu.yd. trench excav. (rock)	6.00	10.00	14.67
10,400 cu.yd. open excav. (common)	.45	.80	.75
4,000 cu.yd. open excav. (rock)	3.50	3.50	2.95
1,700 cu.yd. compacted embankment	.25	.50	.58
1,200 cu.yd. riprap	1.50	2.00	2.20
8,140 cu.yd. conc. in spillway and piers, below elev. 728	9.00	12.00	7.70
3,350 cu.yd. conc. in spillway and piers, below elev. 728	9.75	9.00	11.75
940 cu.yd. conc. in walls, 2 ft. thick or less	17.00	10.00	16.15
300 cu.yd. conc. in beams and slabs	19.00	15.00	22.35
750 cu.yd. conc. in east wing wall	10.00	8.00	8.00
420 cu.yd. conc. in canal walls	11.00	9.00	11.75
20,000 bbl. domestic cement	3.75	4.10	5.15
220,000 lb. unbent reinforcement bars	.05	.045	.054
153,000 lb. bent reinforcement bars	.055	.05	.058
2,000 lb. copper plates for seals	.35	1.00	.60
1,200 lin.ft. gumiting expansion joints	.50	.25	.30
1,200 lin.ft. drilling rock for pressure grouting	1.75	3.00	1.50
30 cu.yd. cement grout for pressure grouting	30.00	50.00	44.00
50 cu.yd. cement grouting for steel in recesses	30.00	30.00	44.00
200 lin.ft. drilling rock for anchors	1.75	.50	2.95
500 cu.yd. backfill	.75	1.00	.75
5,000 cu.yd. grading highways	.35	.50	.75
2,500 sq.yd. surfacing highways	.50	.80	1.50
100 cu.yd. gravel fill in weep hole trenches	2.50	1.50	2.95
13M ft. b.m. timber shop logs	50.00	40.00	75.00
5M ft. b.m. miscellaneous lumber	60.00	40.00	88.00
12M ft. b.m. timber floor in sluice ways	50.00	40.00	66.00
2M ft. b.m. timber seals for gates	90.00	50.00	147.00
6M ft. b.m. timber guards for highways	75.00	50.00	110.00
280,000 steel in highway bridge	.075	.08	.095
120,000 lb. steel sheet piling for drift fender	.06	.06	.05½
66 sq.ft. Irving steel subway flooring	2.00	1.50	2.00
27,000 lb. miscellaneous steel	.15	.15	.16
1,400 lb. bolts in sluiceway floor	.14	.20	.19
2,000 lb. steel lifting devices for stop logs	.25	.15	.155
5,400 lb. pipe in hand rails	.20	.20	.38
8,000 lb. miscellaneous piping	.20	.12	.37
10,000 lb. galvanized conduits for electric wiring	.20	.20	.365
Oscillating chain curtain for fish screen	1,750.00	3,000.00	2,950.00
Welded iron posts and cable hand-rail	700.00	600.00	1,466.00
Gate for trash chute with hoist	500.00	500.00	586.00
Transporting and erecting roller gates	2,500.00	15,000.00	22,000.00
Transporting and erecting sluice gates	1,000.00	1,000.00	1,466.00
Transporting and erecting canal gate and hoist	600.00	600.00	1,100.00
Building 4 steel and stucco houses	3,500.00	5,000.00	11,750.00
220 lin.ft. 4 in. drain tile	.25	.40	.88
Bronze name plate and miscellaneous work	500.00	500.00	7,335.00
Totals	$364,971	$399,687	$510,580

CONTRACT G

	A	B	C
30 acres clearing and grubbing	$350.00	$200.00	
385,000 cu.yd. canal excav., Class "A"	.15	.21	$0.47
350,000 cu.yd. canal excav., Class "B"	.35	.28	.47
106,000 cu.yd. canal excav., Class "C"	.90	1.10	1.60
16,000 cu.yd. canal excav., Class "D"	.45	.50	.47
131,000 cu.yd. compacted embankment	.15	.15	.15
15 acres plowing furrows	85.00	20.00	20.00
70,000 cu.yd. hauling, not over 1,200 ft.	.15	.25	.05
800 cu.yd. puddle fill	.50	1.00	4.00
200 cu.yd. dry stone walls	7.00	10.00	4.50
6,000 lin.ft. log crib, hauling and erecting	.20	1.00	.75
7,500 lb. drift bolts for log crib	.06	.10	.06
Furnishing and erecting Taintor gate and hoist	1,600.00	2,000.00	1,547.00
4,000 lb. furnishing and erecting steel foot bridge	.14	.22	.138
1,050 bbl. domestic cement	3.70	4.20	5.00
315 cu.yd. excav. for highway bridge, common	.75	2.00	2.00
372 cu.yd. conc. in piers and foundations of highway bridge	15.00	27.00	17.60
163 cu.yd. conc. in floor slab of highway bridge	16.00	20.00	19.70
434 lin.ft. conc. handrails for highway bridge	4.50	9.00	4.00
2,000 sq.ft. surface finish of conc. in highway bridge	.15	.20	.15
96,000 lb. reinf. steel in highway bridge	.055	.08	.042
600 cu.yd. excav. for misc. structures, common	1.00	2.00	2.00
250 cu.yd. excav. for misc. structures, rock	2.50	4.00	4.50
110 cu.yd. conc. for misc. structures	16.00	20.00	25.00
3,000 lb. reinf. steel for misc. structures	.08	.10	.042
33,000 lb. c.i. pipe and fittings, 6-24-in.	.07	.10	.0925
1,800 lb. welded steel pipe, wrapped and dipped	.20	.15	.15
5 1½-in. corporation cocks	10.00	12.00	13.00
50 cu.yd. backfill for misc. structures	1.00	1.00	.50
Outlet gates, 2 24-in., 2 12-in., 4 8-in.	750.00	700.00	996.00
10M ft. b.m. lumber structures	60.00	85.00	75.00
200 lin.ft. piling, hauling and driving	.50	1.00	.40
Grading, clean-up and misc. work	3,500.00	500.00	11,895.53
Totals	$362,072	$402,110	$601,930

CONTRACT H

	A	B	C
Clearing and grubbing (lump sum)	$1,000.00	$2,000.00	$1,725.00
24,000 cu.yd. excav. in forebay Class "A"	.20	.32	.72
38,000 cu.yd. excav. in forebay Class "B"	.35	.32	.83
400 cu.yd. excav. in forebay Class "C"	1.50	1.25	1.75
48,000 cu.yd. haul from forebay excav.	.10	.08	.32
1,400 cu.yd. compacted embankment in forebay	.25	.10	.575
8,800 cu.yd. backfill	.50	.50	.81
Cofferdams and care of water	6,500.00	8,000.00	37,934.50
18,000 cu.yd. excav. for structures, common	1.00	.50	1.76
5,600 cu.yd. excav. for structures, rock	2.25	2.00	3.20
2,000 cu.yd. grading highway	.40	1.00	.575
2,600 sq.yd. surfacing highway	.50	.50	3.40
14,500 bbl. domestic cement	3.60	4.20	4.40
2,040 cu.yd. conc. in penstock block and warped walls	9.50	10.00	15.25
1,880 cu.yd. conc. in siphon block	10.50	12.00	16.45
920 cu.yd. conc. in wasteway	12.25	16.00	14.95
1,300 cu.yd. conc. in penstocks	13.00	18.00	18.80
Forms for scroll case and draft tube	1,800.00	1,800.00	4,388.00
1,900 cu.yd. conc. in turbine block, piers and warped walls	11.00	12.00	9.45
860 cu.yd. conc. in floors, walls, switch cells and roof slab	18.00	24.00	15.00
230 cu.yd. conc. in yard structures	16.00	14.00	20.35
110 lin.ft. conc. in pre-cast wid.	1.00	1.50	2.30
140,000 cu.yd. unbent reinf. steel	.05	.05	.05
440,000 lb. bent reinf. steel	.055	.06	.053
20,000 lb. roof trusses, structural steel	.075	.10	.07
25,000 lb. misc. steel	.15	.10	.1725
2,000 lb. sheet metal in hoods, louvres, etc.	.30	.10	.35
Steel sash, glazed, for power house windows	1,600.00	2,000.00	1,902.00
Kalamein doors, window frames and trim	750.00	1,600.00	610.00
Rolling door with wicket	700.00	350.00	780.00
Glazing partitions between control and gen. rooms	50.00	75.00	60.00
28,000 lb. electrical conduit system, galv. steel	.18	.12	.124

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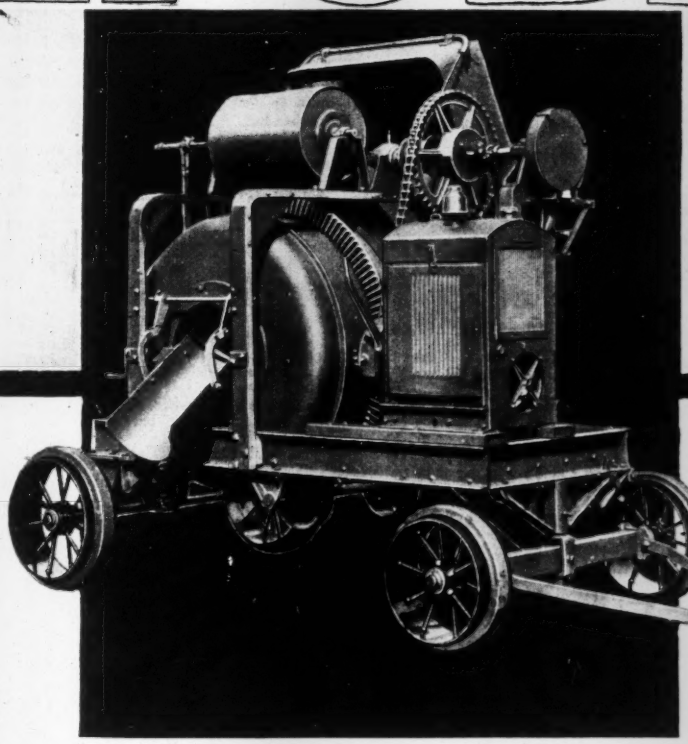
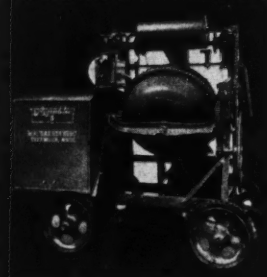
(*Concluded on page* 336a)

UNIT PRICES Continued on Page 336a

REPUBLIC Concrete Mixers



What It Takes We Have!



Distributors

Republic Mixers are fast sellers. Some territory is still open. Send coupon for full information.

THAT'S the story in a nutshell about the new Republic Roller Bearing Mixers. They have everything. Appeal to contractor and dealer alike.

Contractors like the simple, sturdy, *roller bearing* construction of Republic Mixers. They like their speed of mixing, faster discharge, easier cleaning, longer life, one man control.

For Republic specifications are equal to the finest and better than most. Yet the prices are within reach and favorable terms may be arranged.

Dealers find in Republic Mixers an opportunity for more business at less expense. More models, new features and improved construction make Republics easier to sell. They move off the floor and that means money in the till.

Speed up work or speed up sales! Investigate from either viewpoint. There's a profit to be made both ways.

Our new bulletins, recently published, tell an interesting story of Republic advantages. Send for them now.

REPUBLIC IRON WORKS
TECUMSEH, MICH.

COUPON

REPUBLIC IRON WORKS, Tecumseh, Mich.

Please send complete information about Republic Roller Bearing Mixers.

Check whether for:
( ) Contractor
( ) Distributor

Name .....

Address .....

City ..... State .....

UNIT PRICES

Street Improvement—Knoxville, Tenn.

City opened bids Aug. 27 extending and widening Henley St. from (A) Murray Construction Co., Holston National Bank Bldg., (awarded contract); (B) Southern P. C. Co., Chattanooga; (C) Lee A. Gridley Co., Knoxville, (D) R. G. Lassiter, Raleigh, N. C. W. W. Mynatt, director Public Service.

		A	B	C	D
2,000 sq.yd. sheet asphalt, 2 in. thick		$0.67	$0.70	$0.65	$0.89
26,000 sq.yd. sheet asphalt, 1½ in. thick		.43	.45	.54	.71
26,000 sq.yd. binder 1½ in. thick		.31	.30	.42	.35
2,000 sq.yd. conc. base 6 in. thick, 1-2½-5 mix		.94	1.15	1.01	1.09
26,000 sq.yd. conc. base 8 in. thick 1-2½-5 mix		1.22	1.45	1.31	1.39
200 sq.ft. expansion joints		.15	.20	.25	.10
20 tons binder		6.00	10.00	10.00	7.00
25,000 cu.yd. excav.		.40	.50	.42	.50
10,000 cu.yd. embankment		.01	.05	.05	.05
300 cu.yd. solid rock in subgrade		2.00	2.00	5.00	4.00
300 cu.yd. solid rock in trench		5.00	5.00	5.00	7.00
8,000 lin.ft. removal of conc. and stone headers and curb		.07	.15	.08	.06
2,000 lin.ft. removal of gutter		.07	.15	.01	.06
200 lin.ft. removal of old concrete and stone culvert		1.00	1.50	.50	2.00
500 lin.ft. removal of trees more than 6 inches in diameter		8.00	12.50	10.00	15.00
8,000 lin.ft. conc. curb 6x18 in.		.47	.50	.50	.50
800 lin.ft. conc. curb radius		.90	.90	.90	.70
300 sq.ft. conc. gutter		.25	.20	.20	.25
11,000 sq.yd. conc. sidewalk		1.20	1.20	1.30	1.25
100 sq.yd. conc. driveways		1.80	1.75	1.70	1.75
400 lin.ft. 4 in. c.i. drain		.75	.50	.50	.50
350 lin.ft. stone headers set		.35	.25	.50	.35
400 cu.yd. conc. 1-2-4 mix		17.00	15.00	16.00	15.00
350 cu.yd. conc. 1-2½-5 mix		11.50	13.50	15.00	14.00
60,000 lb. reinforcing bars		.04	.05	.05	.06
18,500 sq.yd. removal of old asphalt		.15	.25	.25	.20
Sewer pipe and trenching	Depth				
500 lin.ft. 6 in.	0-4 ft.	.41	.45	.60	.45
1,000 lin.ft.	4-6 ft.	.50	.50	.68	.50
800 lin.ft.	6-8 ft.	.62	.65	.84	.70
400 lin.ft.	8-10 ft.	.91	.90	1.40	1.10
100 lin.ft.	10-12 ft.	1.41	1.50	1.60	2.20
600 lin.ft. 8 in.	0-4 ft.	.48	.55	.55	.60
900 lin.ft.	4-6 ft.	.59	.65	.65	.70
500 lin.ft.	6-8 ft.	.79	.80	.79	.90
800 lin.ft.	8-10 ft.	.95	1.15	1.40	1.20
200 lin.ft.	10-12 ft.	1.45	1.60	1.80	2.40
200 lin.ft. 12 in.	0-4 ft.	.68	.75	.86	.85
200 lin.ft.	4-6 ft.	.76	.90	.96	1.00
100 lin.ft.	6-8 ft.	1.00	1.10	1.13	1.15
200 lin.ft. 15 in.	0-4 ft.	.99	1.00	1.20	1.10
350 lin.ft.	4-6 ft.	1.10	1.25	1.34	1.16
200 lin.ft.	6-8 ft.	1.28	1.50	1.57	1.40
100 lin.ft. 18 in.	0-4 ft.	1.28	1.40	1.68	1.25
200 lin.ft.	4-6 ft.	1.42	1.50	1.89	1.40
400 lin.ft.	6-8 ft.	1.59	1.75	2.31	1.75
100 lin.ft. 21 in.	4-6 ft.	2.11	2.25	2.94	2.25
300 lin.ft. 24 in.	4-6 ft.	2.51	2.50	3.36	2.90
300 lin.ft.	6-8 ft.	2.75	3.00	3.76	3.10
300 lin.ft. 30 in.	4-6 ft.	4.10	4.50	5.31	4.00
250 lin.ft.	6-8 ft.	4.34	5.00	5.74	4.50
100 6 in. bends		.65	1.00	.60	.50
100 8 in. x 6 in. wyes		1.35	1.75	1.00	1.20
100 lin.ft. 6 in. c.i. pipe in excess of straight pipe "B"		1.22	.75	.75	.60
50 lin.ft. 8 in. c.i. pipe in excess of straight pipe class "B"		1.80	1.00	1.50	.75
Manholes	Depth				
4	0-4 ft.	35.00	30.00	40.00	35.00
5	4-6 ft.	45.00	37.50	55.00	45.00
5	6-8 ft.	55.00	50.00	65.00	55.00
3	8-10 ft.	75.00	65.00	75.00	70.00
Catch basins 18 in. x 36 in.	Depth				
10	0-4 ft.	43.00	35.00	40.00	35.00
20	4-6 ft.	53.00	45.00	48.00	45.00
10	6-8 ft.	68.00	55.00	60.00	55.00
5	8-10 ft.	83.00	75.00	75.00	70.00
2 24 in. x 48 in.	4-6 ft.	75.00	65.00	75.00	65.00
2 18 in. x 18 in.	0-4 ft.	44.00	35.00	40.00	22.00
2 24 in. x 24 in.	0-4 ft.	44.00	40.00	30.00	27.00
28,000 sq.yd. five year maint. on asph.		.01	.02	.035	.05
28,000 sq.yd. curing conc. base with calcium chloride		.01	.02	.025	.05
Trenching and backfilling	Depth				
150 lin.ft. for 16 in. water main	4-6 ft.	.52	.65	.50	.60
150 lin.ft. 16 in. water main	6-8 ft.	.65	.90	.70	.75
1,900 lin.ft. 12 in. water main	0-4 ft.	.30	.40	.30	.30
200 lin.ft. 12 in. water main	4-6 ft.	.44	.50	.40	.32
100 lin.ft. 12 in. water main	6-8 ft.	.60	.65	.50	.40
100 lin.ft. 8 in. water main	0-4 ft.	.24	.40	.35	.24
1,000 lin.ft. 6 in. water main	0-4 ft.	.24	.25	.27	.22
6,000 lin.ft., for water serv. less than 6 in.	0-4 ft.	.24	.25	.27	.20
250 cu.yd. solid rock excav. in water trench		5.00	4.00	5.00	6.00
Totals		$121,888	$140,110	$143,390	$150,640
Plus 10%		12,188	14,011	14,339	15,063
Grand totals		134,076	154,121	157,729	165,703

Engineering News-Record, Issue of December 20, 1928

Sewers—Ada, Okla.

City opened bids Oct. 16 lateral sewers and ejector station in District No. 20. Bidders are: (A) Asplund Construction Co., Masonic Bldg., Enid, (awarded contract); (B) Chilcutt & Fry Brothers; (C) Standard Paving Co., Tulsa. Black & Veatch, Mutual Bldg., Kansas City, engineers.

	A	B	C
650 lin.ft. cast iron pipe, ejector line, 4 in.	$0.70	$0.90	$0.80
250 lin.ft. cast iron pipe, 6 in.	.90	1.10	1.00
4,570 lin.ft. vitr. sewer pipe, 6 in.	.60	.60	.65
645 lin.ft. vitr. sewer pipe, 8 in.	.75	.78	.75
6 standard manholes	80.00	95.00	85.00
2 drop manholes	90.00	105.00	95.00
14 shallow type manholes	80.00	90.00	85.00
1 shallow type drop manholes	90.00	105.00	95.00
5,165 lin.ft. trench, 0 to 6 ft.	.62	.70	.65
380 lin.ft. trench, 6 to 8 ft.	.73	.80	.78
975 cu.yd. rock excav.	2.50	2.00	4.75
330 cu.yd. embankment	.60	.60	.75
Ejector Station (lump sum)	7,400.00	6,900.00	7,650.00
Totals	$19,710	$19,786	$22,860

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Hydro-Electric Development (*Continued from page 342*)

4,000 lb. electrical conduit system, fibre	20	30	.14
5,000 lb. copper seals and flashings	35	50	.32
Plumbing fixtures in power house	150.00	175.00	460.00
3,000 lb. misc. welded steel pipe and fittings, black	.16	.10	.10
6,000 lb. misc. welded steel pipe and fittings, galv.	.17	.12	.11
15,000 lb. c.i. pipe 3-8-in. and fittings	.08	.06	.05
5,000 lb. c.i. soil pipe 4-6-in. and fittings	.13	.05	.06
2,000 lb. handrails, welded steel ball pattern	.20	.10	.10
Furnishing and erecting one 6-in. sump pump	1,250.00	300.00	1,252.00
30,000 lb. steel racks for penstock and siphon blocks	.08	.06	.107
10,000 lb. steel pipe air vents, 36-in. with hoods	.085	.08	.09
11,000 lb. steel siphon primers	.09	.10	.13
500 lb. stilling wells, 24-in., 16 gage pipe	.11	.12	.23
4,500 lb. welded steel trash pipe	.10	.10	.095
75 lin.ft. conc. culvert pipe, 36-in., reinf.	7.00	6.00	6.20
Sluice gate and stand, 36-in. for forebay	350.00	350.00	965.00
Trash gate and wheel, 24-in. for forebay	150.00	250.00	289.00
20M ft. b.m. stop logs for penstocks and draft tube	50.00	60.00	62.00
3M ft. b.m. timber support for floor over second unit	60.00	60.00	80.00
2M ft. b.m. misc. lumber	70.00	60.00	60.00
Roofings and flashings for powerhouse	1,050.00	600.00	805.00
Plastered ceiling in control room	60.00	100.00	130.00
Tile ornaments and lettering	500.00	250.00	414.00
1 gate valve for sump pump discharge	65.00	30.00	57.50
4 gate valves, 8-in.	70.00	40.00	64.00
3 gate valves, 6-in. for water system	33.00	30.00	30.00
3 gate valves, 4-in. for water system	23.00	20.00	20.00
Hauling and erecting turbine	4,500.00	4,200.00	3,128.00
Hauling and erecting 30 ton crane	750.00	1,260.00	523.00
Hauling and erecting generator	25.00	42.00	3,128.00
Hauling and erecting exciter	85.00	195.00	145.00
Hauling and placing 3 transformers	6.50	22.00	667.00
Hauling and erecting 1 Broome gate and hoist	550.00	1,200.00	816.00
100 squares painting wood concrete and metal surfaces	6.00	.60	6.90
Name plate, grading, clean-up and misc.	1,500.00	2,000.00	500.00
Totals	$302,188	$327,120	$446,139

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Constr. News page 336a

CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Electric generating plant, Sayreville, N. J., Eastern New Jersey Power Co., $6,000,000.

Smelter and refinery, Vancouver, B. C., Consolidated Mining and Smelting Co., Ltd., of Canada, Trail, $5,000,000.

Hospital, Indianapolis, Ind., Amer. Legion of Indiana, $3,000,000.

Theatre, Brooklyn, N. Y., Syndicate, c/o H. E. Witman, $3,000,000.

High school, Trenton, N. J., Bd. Educ., bids in Spring, $2,500,000.

Hospital and nurses home, York, Pa., York General Hospital, soon lets contract, $1,500,000.

Office, Tulsa, Okla., W. Phillips, $1,400,000.

Sewers, etc., Binghamton, N. Y., bids probably late in Spring, $1,400,000.

Waterworks, Ottawa, Ont., Ratepayers, approved, $1,315,000.

Bridge, Paterson, N. J., State Hy. Comn., Trenton, $1,000,000.

Factory and mill, Euclid (br. Cleveland), O., Chase Brass & Copper Co., Waterbury, Conn., soon lets contract, $1,000,000.

Coal cleaning plant, Nemacolin, Pa., Youngstown Sheet & Tube Corp., Youngstown, O., $1,000,000.

Plant, Regina, Sask., Goodyear Tire & Rubber Co. Ltd., $1,000,000.

Store, Louisville, Ky., Sears, Roebuck & Co., Chicago, Ill., $1,000,000.

Cathedral, Los Angeles, Calif., Los Angeles Consistory Scottish Rite Masons, sketches, $1,000,000.

Bids Asked

Bridge, Mississippi and Louisiana, Natchez & Vidalia Bridge and Terminal Co., Memphis, Tenn., takes bids about Jan. 20, $7,000,000.

Office and store, Chicago, Ill., Jan. 7, by Holabird & Root, archts., for W. N. McChesney, Grand, O., $2,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 339a.

Furniture mart, Rockford, Ill., S. Nemes, Chicago, taking bids, $2,000,000.

Schools, Chicago, Ill., Jan. 10, by Bd. Educ., $1,500,000.

Bids Received

Waterworks, Newark, N. J., North New Jersey Dist., from T. A. Gillespie Co., New York, N. Y., $5,127,628.

Subway, New York, N. Y., Bd. Transportation, Sect. 5, Route 106, from Lyons & Slattery (Unofficial), $3,835,000.

Contracts Awarded

Hospital, St. Louis, Mo., St. Vincent De Paul Sisters of Charity, to J. W. Lynch, Chicago, Ill., est. $1,750,000.

Field house, Chicago, Ill., W. W. Ahlschlager, archt., to Avery Brundage Co., for Northwest Park Dist., est. $1,500,000.

Office, Cincinnati, O., Union Gas & Electric Co. to George A. Fuller Co., est. $1,500,000.

Seminary, New York, N. Y., Jewish Theological Seminary of America to G. Richard Davis, est. $1,200,000.

Construction News of the Week

Waterworks

Proposed Work

Ind., Anderson—Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Cincinnati, O., H. Baldwin, ch. engr., water purification plant for railway locomotive use at South Anderson shop. $75,000.

Ind., Mishawaka—Bids in January 3 m.g. reservoir. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Dec. 6.

Kan., Norton—Preliminary plans 250,000 gal. concrete reservoir, extending mains. $40,000.

Tex., San Antonio—T. E. Barnes, 901 Victoria St., waterworks incl. distributing system, fire hydrants in 45 acre sub-division development off West Cincinnati Ave. $25,000. Private plans.

Tex., Uvalde—See "Bids Asked."

Tex., Winters — Improving waterworks, incl. concrete dam across Bluff Creek, new main from dam to city. $45,000. J. S. Barlow, Winters, engr. Noted Dec. 6.

Ont., Ottawa—Ratepayers approved $1,315,000 money bylaw, rapid sand filtration plant, at Lemieux Island on Ottawa River.

Bids Asked

Ind., Evansville—Jan. 3, by Bd. Trustees Water Dpt., 15,000 liquid chlorine gas for water purification purposes.

Ill., Waterloo—Jan. 3, by City, 200,000 gal. steel tank on tower, 12,000 ft. c.i. pipe, 14 fire hydrants. $35,000. W. A. Fuller Co., 2916 Shenandoah Ave., St. Louis, Mo., engrs. Noted Dec. 6.

Tex., Uvalde—Taking bids steel tank and tower; bids after Jan. 1, improving waterworks, incl. new pumps, probably electrically operated, water distributing system, meters, fire plugs, $50,000. Address H. P. Hornsby, mayor, c/o City Hall.

Tex., Uvalde—Taking bids 150,000 gal. steel tank on 100 ft. steel tower, pumping apparatus, c.i. pipe. $75,000. R. E. Benson city engr.

Contracts Awarded

N. Y., New York—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arnow, Astor, Edson and Grace Aves., to Manhattan Water Wks., Inc., $6,870. Noted Nov. 29.

N. J., Newark—North Jersey Dist. Water Supply Comn., 24 Commerce St., twin and single steel pipe lines for portions Wanaque Aqueduct, to T. A. Gillespie Co., 7 Dey St., New York, $5,127,628. Noted Dec. 6.

N. J., New Brunswick—City Comn., 1,000 ft. water pipe, to R. D. Wood, 400 Chestnut St., Phila., Pa., at $37.95 per ton.

Ky., Louisville — Bd. P. Wks., 52 fire hydrants in southern part of city, to K. A. Barker, Floyd and Lee Sts., $7,970, and Henry Bickel Co., 435 Graden St. $6,325.

O., Youngstown—At office Secretary Bd. Directors Mahoning Valley Sanitary Dist., 901 City Bank Bldg., clearing, grubbing Meander Creek Reservoir, to Jones Constr. Co., Salem, $230,010. Noted Nov. 15.

Mics., Birmingham — Well, 1 m.g.d. to Harmon Ness Co., South Bend, Ind. Est. $15,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., Detroit—Dpt. Water Supply, 1,200 cu.yd. hollow tile backing and concrete for discharge weir in coagulation basin in waterworks, to Anchor Fireproofing Co., 2210 Park Ave. Est. $15,000.

Wis., Racine—Water Dept., W. A. Pierce, mgr., City Hall, 1,850 tons c.i. pipe and 90 tons special castings, to American Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill., 12 ft. $44.25, 16 ft. $45.25, specials $88.50 per ton.

Kan., Long Island—To R. Knox Constr. Co., Clyde, general contract waterworks, incl. tank and tower, $19,636; also well, pump, price not yet determined. Noted Nov. 22.

Kan., Randall—C. T. Jones, city clk., distribution system, well, pump house, to Knox Constr. Co., Clyde, $11,650; tank and tower, to Chicago Bridge & Iron Wks., Transportation Bldg., Chicago, $4,050. Pumps not yet awarded. Noted Dec. 6.

Neb., Central City—For 10 mi. 6- to 15-in. mains, pumping plant, to A. A. Dobson Co., 824 1st Natl. Bank Bldg., Lincoln, $74,057. Est. $75,000.

Mo., Kansas City—Rein.-con. reservoir, to C. D. Whitmire Constr. Co., 710 Midland Bldg., $363,438.

Mo., St. Louis—Bd. P. Serv., City Hall, new channel in Mississippi River near Homers Dike at Chain of Rocks Waterworks Station, to Frazier-Davis Constr. Co., Arcade Bldg., $44,800. Est. $70,000. Noted Nov. 8.

Okla., Oklahoma City—For 18,000 ft. 4 in. c.i. water line to Lincoln Park, to Sherman Iron Wks., 18 East Main St., $17,260. Est. $20,000. Noted June 14.

Wash., Seattle—Bd. P. Wks., mains in West Holden St., to H. Sacco, 2024 24th Ave., $21,200.

Calif., Sonora—Pacific Gas & Electric Co., water purification plant, concrete storage reservoir, 128 ft. diam., 12 ft. deep to Mankel & Staring, 2921 H St., Sacramento.

Ont., Blind River—M. L. Dyke, town clk., electric motor and gasoline driven 3 stage centrifugal fire pump, to Turbine Equipment Co., 73 King St. W., Toronto, $6,070. Est. $7,000. Noted Nov. 15.

Sewers

Proposed Work

N. Y., Binghamton—Bids probably late in spring, intercepting sewers and sewage treatment system. $1,400,000. Fuller & McClintock, 170 Bway., New York, consult. engrs. Noted Jan. 27.

N. J., Paterson—Bd. City Comrs., City Hall, sanitary sewer in Bond St. from Beech to Lewis Sts. $92,000. H. J. Harder, city engr.

Mich., East Grand Rapids (mail Grand Rapids)—Laying 5 mi. sewers in North Shore of Reeds Lake. $77,865. C. Whiting, City Hall, engr.

Ill., Evanston—City Northeast Storm Relief Sewer, incl. 18- to 66-in. pipe. $272,000. M. Loag, City Hall, engr.

Mo., California — City Council rejected bids 14,876 ft. 8 in. vitr. clay sewers in Dists. 3 and 4. Will readvertise. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, engrs. Noted Nov. 15.

See proposal advertising on page 114

Constr. News page 337

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use LEADITE It saves at least **75%**

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

Ark., Helena—Preliminary plans sanitary sewerage system in West Helena Dist. $30,000.

Tex., Midland — Preliminary surveys sewers. Election after Jan. 1, $135,000 for same. Address B. F. Haag, City Hall, mayor.

Tex., San Antonio—T. E. Barnes, 901 Victoria St., sewers in 45 acre sub-division development off West Cincinnati Ave., incl. mains, laterals. $35,000. Private plans.

Okla., Oklahoma City—Surveys sanitary sewers in Edgemere Park Addition. To exceed $25,000. W. W. Small, city engr.

Okla., Tulsa—Extending 20,000 ft. sanitary sewers in Harding, Dunbar, Roosevelt, Gibson, Hunter and Broadview Sts. To exceed $25,000. B. M. Hart, City Hall, engr.

Bids Asked

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 17, improving, extending outlet sewer in 151st St., from J. V. Timoney Constr. Co., 256 Bway., $60,558. Noted Dec. 13.

Pa., Reading—Jan. 16, by City Council, reconstructing sewage pumping station, force main. Remington & Vosbury, 509 Cooper St., Camden, N. J., consult. engrs.; adv. E. N.-R. Dec. 27.

Ala., Birmingham—Jan. 28, by City Comn., 1½ mi. brick and concrete masonry, terra cotta or concrete storm sewer, c.i. pipe and iron castings, catch basins, manholes, appurtenances in 79th Place, 1st, 2nd, 5th and Rugby Aves., 74th, to 78th Sts. (inclusive). $140,300. A. J. Hawkins, city engr.

Calif., Vislia—Jan. 23, by Black & Veatch, engrs., 307 South Hill St., Los Angeles, pumps, valves, fittings, 825 lin.ft. 6 in. c.i. pipe at California Hot Springs, for California Hot Springs Co.

Contracts Awarded

Md., Baltimore — Bd. Awards, sanitary sewers, storm drains in Sewer Dists. 46-B and P-3, Storm Water Contr. 123, to P. Marocco, 3700 Forest Park Ave., $43,268. Noted Dec. 13.

La., New Orleans — For 5,346 ft. subsurface drainage in Baronne St. from Louisiana to Duffosat Aves., to H. P. and J. F. Egan, New Orleans, $73,028.

La., New Orleans — For 1,687 ft. subsurface drainage system, Poland Ave., to M. Mitchell & Son, 323 Saratoga St., $28,481.

Tenn., Knoxville — Director Pub. Serv., Third Creek Trunk Line, and laterals, to J. J. Quinn, 116 North East 29th St., Miami, Fla., $221,594—Third Creek Trunk Sewer, to L. A. Gridley, Knoxville, $104,972—Baker Creek Sewer and 21 in. outfall, to Dysard Constr. Co., Thrower Bldg., Atlanta, Ga., $117,878. Grand total $444,445. Noted Nov. 29.

Ky., Greenup—Sanitary sewers, to J. D. Greenswade, Huntington, W. Va., $38,300. Noted Nov. 29.

O., Beechwood (br. Cleveland)—Sewers in Halburton Rd., to Garfield Heights Constr. Co., 460 Leader Bldg., Cleveland, $70,625; Halworth Rd., to N. J. Galvin, 4050 Rocky River Dr., Cleveland, $13,046.

O., Garfield Heights (br. Cleveland)—Sewers in Henry St., to D. Rosi-Marceletti Co., 116-26 Willard Ave., Cleveland, $42,522.

Mich., Dearborn — For Southeastern Trunk Sewer, Sect. 4, 10,000 ft. 6½ ft. to 9 ft. monolithic concrete pipe, brick pumping station, to A. Phelps & Sons, 5144 Braden Ave., Detroit, $255,000. Noted Dec. 13.

Mich., Detroit — Dpt. P. Wks., concrete sewers in Harper Ave. Arm West of Marseilles, to Woodward Constr. Co., 15501 Ardmore Ave., $47,545; Harper Ave. east of Marseilles, and Paul Ave. Arm Sect. 1, east of Southfield Ave., to Central Contg. & Eng. Co., 12901 Lyndon Ave., $16,838 and $71,640 respectively; Morang Ave. Arm, north of Harper, to Louwers & Sommerville, 1224 Michigan Theatre Bldg., $23,239; River Rouge Interceptor East, Sect. 5, to R. D. Baker, 1631 Elmhurst Ave., $94,220. Grand total $253,482. Noted Nov. 15.

Mich., Grand Rapids—For 19,518 ft. 12- to 54-in. surface drain in Division St. to Kelloggsville. $112,000. T. O. Williams, Court House, co. engr.

Neb., Mitchell — Sewerage system, to A. C. Smith, Scottsbluff, $31,725.

Mo., Springfield — J. P. Ramsey, comr. Streets & Pub. Impvts., Jordan Creek Storm Sewer, incl. 2,500 cu.yd. structural excav., 4,000 cu.yd. concrete, 400,000 lb. reinforcing steel, to Boyle Constr. Co., 1923 Main St., Kansas City, $65,980.

Arizona — State Hy. Comn., Phoenix, Hassayampa Bridge, on Phoenix-Yuma Hy., Federal Aid Project 71, to Strong & Grant, Springfield, Utah, $47,325.

Calif., Los Angeles—Bd. P. Wks., Arroyo de la Sacatela Storm Drain System 2, to J. F. Shea Co., 525 Market St., San Francisco, $925,839. Noted Nov. 22.

Calif., Sacramento — City Council, concrete sewers in North B and 18th Sts., to Holdener Constr. Co., 2608 R St., $166,829. Noted Oct. 11.

Ont., Toronto—S. McBride, mayor, South Parkdale Storm Relief Sewer, concrete, brick, Sects. D-G and G-H on Queen St. and MacDonnell Ave., to W. R. Worthington Constr. Co., Roselawn Ave., $108,820; Sects. A-D and C-E on Dufferin and King Sts., to J. O. Jerou, 75 Lytton Blvd., $231,618; Boulevard Dr., Sect. B-F, to Nelson River Constr. Co., 124 Pears Ave., $47,000. Grand total $387,438. Noted Nov. 15.

Waste Disposal

Proposed Work

N. J., Asbury Park—City Comrs., incinerator plant, Springfield Ave. $130,000.

Tex., San Angelo — Postponed bids to have been opened Dec. 18, incinerator. Revising plans pending change of site. W. M. Tiner, City Hall, engr. Noted Dec. 6.

Ont., Walkerville — Expending $15,000, extending incinerator. A. Patterson, Walkerville, engr. Noted Nov. 22.

Bridges

Proposed Work

N. J., Paterson — State Hy. Comn., Trenton, concrete span bridge over Passaic River, on Broadway, Passaic Co. $1,000,000. W. G. Sloan, Trenton, state engr.

Miss., Aberdeen—Preliminary plans rein.-con., steel bridge in 4th Dist. on Hy. 45 east of here.

Mich., Port Huron — City, J. J. Bell, mayor, tentative plans concrete, steel double leaf bascule span bridge at 7th St. and Black River. $200,000. D. D. Worcester, city engr. Strauss Eng. Co., 307 North Michigan Ave., Chicago, Ill., engrs.

Kan., Sedan—Chautauqua Co., preliminary plans 150 x 20 ft. arch span bridge with alternate one 40 and two 50 ft. truss spans over Middle Caney River. C. E. Fesler, Court House, engr.

Kan., Topeka—See "Streets and Roads."

Okla., Oklahoma City—Preliminary plans 1,800 ft. concrete bridge over Missouri, Kansas & Texas Ry. yards and Rock Island R.R., on Walnut St. To exceed $250,000. W. W. Small, city engr.

Calif., Oakland—Alameda Co. replacing present revolving bridge with bascule bridge over Oakland Estuary. To exceed $25,000. G. A. Posey, Oakland, co. surv.

Ont., Toronto—City, York Co. and East York Twp., 330 ft. concrete or steel bridge, 44 ft., on St. Clair Ave. E. $230,000. F. Barber, 45 Jarvis St., engr.

Bids Asked

W. Va., Charleston — Jan. 18, by R. N. Moulton, clk. Kanawha Co. Court, substructure Patrick Street Bridge 1139, Loudan Dist. $900,000. L. L. Jemison, 1340 Wilson St., engr. West Virginia State Rd. Comn.; adv. E. N.-R. Dec. 27.

Mississippi and Louisiana — Natchez & Vidalia Bridge & Terminal Co., c/o H. E. Bovay Syndicates, 725 Dermon Bldg., Memphis, Tenn., taking bids and open same about Jan. 20, rein.-con., steel bridge across Mississippi River between Natchez, Miss. and Vidalia, La. $7,000,000. Ash, Howard, Needles & Tammen, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Apr. 28, 1927.

Kan., Wellington — See "Streets and Roads."

Oklahoma—Jan. 9, by State Hy. Dept., Oklahoma City, rein.-con. bridges, one 3 span 90 ft. near Luther, and one 3 span 80 ft. near Arcadia, Oklahoma Co.—one 5 span 110 ft. near Seiling, Dewey Co.—one 7 span 140 ft. near Buffalo, Harper Co.—one 6 span, 116 ft. near Togo, Major Co.—one 4 span 86 ft. near Davis, Murray Co.—steel truss bridges on concrete piers, one 4 span 580 ft. over Big Boggy Creek near Soper, Choctaw Co.—one 2 span 132 ft. near Jay, Delaware Co.—one 3 span 420 ft. over Washita River near Chickasha, Grady Co.—one 1 span 110 ft. near Idabel, McCurtain Co.—one 1 span 126 ft. near Alton, Ottawa Co.—1 span 110 ft. steel truss bridge with 2 I-beam approaches on concrete piers near Big Cabin, Craig Co.—1 span 46 ft. rein.-con. underpass under Missouri-Kansas & Texas R.R. near Tusha, Atoka Co. Each to exceed $25,000. C. R. Mandigo, hy. engr.

Okla., Redrock—State Hy. Comn., Oklahoma City, taking bids replacing 110 ft. tin bridge with 2 steel truss span, 160 ft. bridge on concrete piers, Noble Co. To exceed $25,000. C. R. Mandigo, Oklahoma City, state hy. engr.

Contracts Awarded

N. J., Kearny (sta. Arlington) — Bd. Town Council, Town Hall, rein.-con. bridge, on Chestnut St., to Spiniello Constr. Co., Doremus Ave., Newark, $102,625.

Kentucky — State Hy. Dpt., Frankfort, substructure for bridge in McCreary Co., to Cook & Elliott, Oneida, Tenn., $8,039—superstructure, to Vincennes Bridge Co., Vincennes, Ind., $7,289—substructure for bridge in Nelson Co., to A. G. Ryan, Chrisney, Ind., $29,060—superstructure, to E. R. Mills, Covington, $14,731. Grand total $59,119. Noted Oct. 25.

Ohio—H. J. Kirk, dir. Hys., Columbus, 147 ft. steel span bridge and five 40 ft. beam span concrete bridge, Sect. Powhatan State Route 7, Belmont Co., to H. B. Watters, Atlas Bldg., Columbus, $30,970 and $30,480 respectively.

Mich., Hamtramck (br. Detroit)—Dodge Bros. Division Chrysler Corp., 341 Massachusetts Ave., rein.-con. enclosed bridge connecting manufacturing plant with warehouse, to Walbridge & Aldinger Co., 2312 Penobscot Bldg., Detroit. Est. $35,000.

Wisconsin—State and Sauk Co. Hy. Comns., Madison, Delton Bridge on U. S. Hys. 12 and 13, Federal Aid Project 418-B, to Fischer & Yahr, Wausau, $53,647. Noted Nov. 22.

Kan., Wellington—Sumner Co., bridges and channel change on Project 49-5-K. 667-B, to O. G. Brommer, Jetmore, $16,151 and $510 respectively; bridges on Project 12-25-K.727 Sumner Co., to C. L. Ring, McPherson, $25,913. Grand total $42,577. Noted Nov. 15.

Calif., Hamilton — State Hy. Comn., Sacramento, bridge over Glenn-Colusa Irrigation Canal, Glenn Co., to R. B. McKenzie, Gerber, $20,499. Est. $26,304. Noted Dec. 13.

Dams

Proposed Work

Missouri — Gasconade River Power Co., 1015 Baltimore Ave., Kansas City, preliminary plans earth fill or concrete power dam and hydro-electric plant, creating 400,000 acre ft., 5,200 hp. on Gasconade River, Phelps and Pulaski Counties.

Railways

Proposed Work

Indiana—Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Cincinnati, O., H. Baldwin, ch. engr., new tracks for passenger terminals, filling in yards, new tracks into shops and some double tracking to yard limits in South Anderson Industrial Sect. $750,000.

Texas — St. Louis Southwestern Ry., W. S. Hanley, ch. engr., Tyler, preliminary plans complete railroad yard layout at Tyler. $650,000.

Contracts Awarded

Ontario—Dpt. Railways, Ottawa, 80 mi. railroad from Cranberry Portage on the Flin Flon Line to Sheritt Gordon Mine, to Dominion Constr. Co., Royal Bank Bldg., Toronto.

Airports

Proposed Work

AIRPORT—**Camden, N. J.**—Central Airport, Inc., C. C. Savage, secy., 328 Chestnut St., Phila., Pa., bids in February airport development, Crescent Blvd. $500,000. Black & Bigelow, 551 5th Ave., New York, engrs.

Bids Asked

HANGAR—**Hicksville, N. Y.**—Dec. 28, by R. Nichols, c/o Aviation Clubs of America, 551 5th Ave., New York, hangar. $100,000. Black & Bigelow, 561 5th Ave., New York, engrs.

Contracts Awarded

HANGAR—**Newark, N. J.**—Standard Oil Co. of New Jersey, foot of 3rd Ave., hangar at Newark Airport, to Austin Co., 120 Bway., New York. Est. $40,000.

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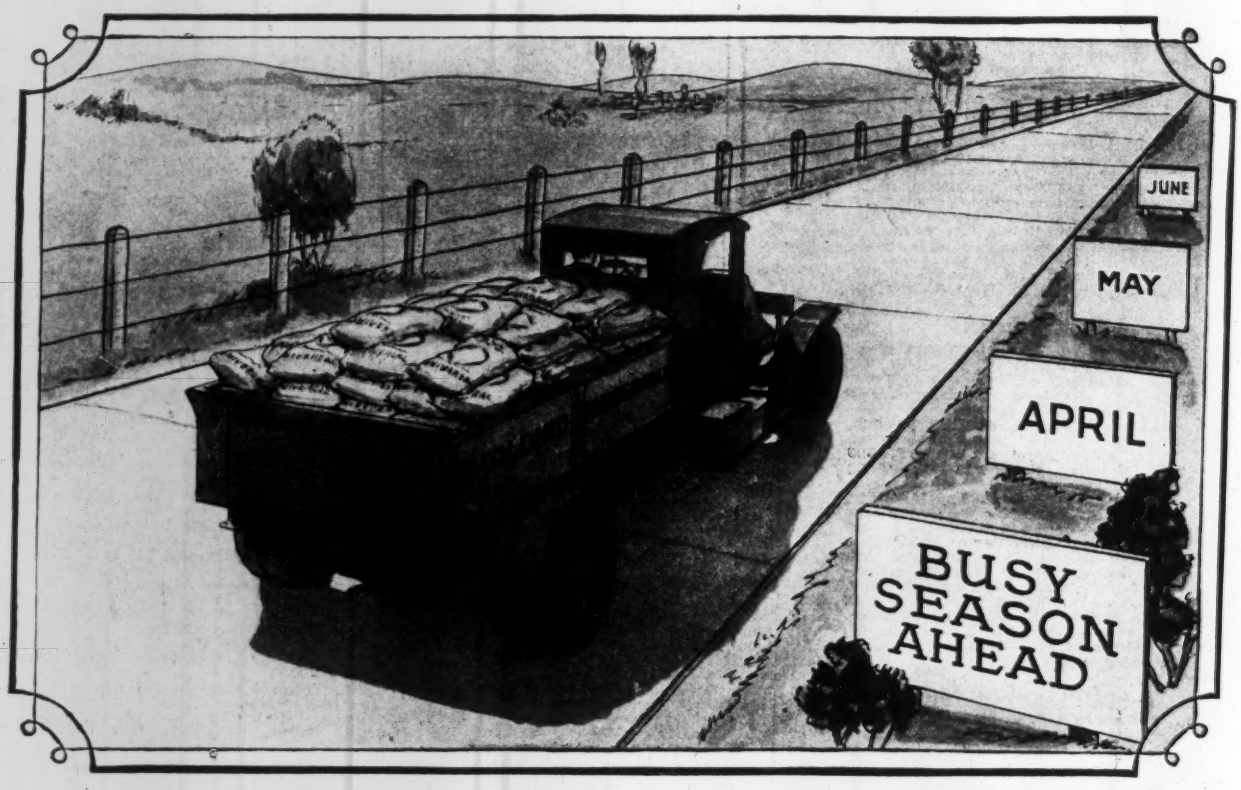

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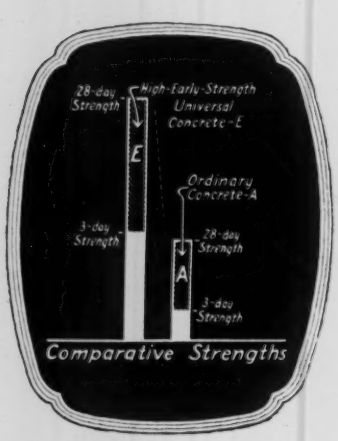

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Proposed Work

N. J., Seaside Heights—Mayor and Boro Council, improving ocean front between Sherman Ave. and boundary line. $50,000. E. M. Herbut, boro engr.

Calif., Merced — Merced Irrigation Dist. soon takes bids two 20 in. riveted steel or equal irrigation pipe lines, one 2,881 ft. other 2,990 ft. long. Private plans.

Bids Asked

Ia., Red Oak—Jan. 8, at office Auditor Montgomery Co., 7,625 ft. ditch work in D.D. 11, incl. 104,005 cu.yd. excav.

Calif., La Canada—Jan. 2, by Directors La Canada Irrigation Dist., 3,200 ft. 4 in. standard screw pipe line. fittings. Salisbury, Bradbury & Taylor, Petroleum Securities Bldg., Los Angeles, engrs.

Contracts Awarded

O., Toledo—Willow Beach Co., Kenilworth Pl., dredging, changing shore line, building revetment, 50,000 yd. hydraulic fill, for amusement park, to J. C. Carland Co., Commerce Guardian Trust & Savings Bank Bldg. Est. $75,000.

Tex., Corpus Christi — City, c/o P. G. Lovenskiold, mayor, drainage work, incl. trenching, laying, covering rein.-con. pipe 12 in. to 24-in., 15 blocks, to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, $31,085.

Calif., Oroville—M. J. Munro, secy. Oroville-Wyandotte Irrigation Dist., Butte Co., 3½ mi. redwood stave pipe from Lake Wyandotte to Miners Ranch hill, to Lord & Bishop, Oroville, and Redwood Mfg. Co. Hobart Bldg., San Francisco. $46,000. Noted Dec. 20.

Streets and Roads

Proposed Work

Mass., Cambridge (br. Boston)—City Council constructing Main St. from 1st St. to Kendall Sq. $35,000.

Mass., Dorchester (sta. Boston)—Dpt. P. Wks., Boston, laying out and constructing Donald Rd. and extension Truxton St. as hys. $25,000. J. H. Sullivan, comr.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids Dec. 5, bituminous macadam paving Victory Blvd. and Richmond Rd. Noted Nov. 29.

N. J., Hackensack — Bd. Freeholders Bergen Co., Court House, widening, paving Teaneck Rd. $100,000. R. C. McClave, Court House, co. engr.

N. J., Metuchen—Bd. Freeholders Middlesex Co., Court House, New Brunswick, preliminary plans removing car tracks, and sheet asphalt or bituminous macadam paving Amboy Ave. from Metuchen to Fords. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, sheet asphalt on concrete paving Paterson Hamburg Turnpike from Cross Rd. at Gaedes Hill, Preakness to Norton House, Pompton Lakes. $50,000. G. Ferguson, Court House, co. engr.

Va., Richmond—R. K. Compton, dir. P. Wks., announced that $1,250,000 will be available for public improvements during 1929, incl. paving $500,000, sewers $400,000, curbing, guttering, paving $350,000.

N. C., Durham—Council, bids early in spring, paving, widening 2 mi. Chapel Hill St. and Erwin Rd. leading to Duke University Campus, 40 ft., incl. underground structures, water, sewers. $150,000. H. W. Kueffner, Durham, engr.

Miss., Aberdeen—Monroe Co. preliminary plans grading, concrete paving Aberdeen Rd. $25,000.

Kentucky — State Hy. Dpt., Frankfort, rejected bids Nov. 30, grading 7.019 mi. Lebanon-Liberty Rd., S. P. 62, A-G, Marion Co. J. S. Watkins, hy. engr. Noted Oct. 25.

Ohio—H. J. Kirk, dir. Hys., Columbus, cancelled bids to have been opened Nov. 30, grading Sects. O and P, State Route 146, Muskingum Co., $191,688; also 4 bridges on same road. $20,569. Noted Nov. 22.

O., Canton—Comrs. Stark Co. paving 1.5 mi. 30th St., 18 ft., incl. grade separation over Wheeling & Lake Erie tracks. $50,000. A. M. Wise, Canton, engr.

O., Lisbon—Comrs. Columbiana Co. soon take bids grading 3.96 mi. Lisbon-East Palestine Rd., 30 ft., $30,814 also 22 ft. bridge, $2,922—macadam paving 4.41 mi. Elkton-Clarkson Rd., 18 ft., $75,000—concrete paving 1.5 mi. Moultrie-Stark Co. Line Rd., 18 ft., $25,000; 2.2 mi. North George Town-Homeworth Rd., 18 ft. $50,000-$55,000. L. C. Kirk, Lisbon, engr.

Mich., Grand Rapids — Paving Century Ave. from Hall to Burton Sts., asphalt $98,500 or $9.05 per front ft., brick on concrete $126,000 or $11.78, concrete $93,660 or $8.59.

Mich., Pontiac — Oakland Co. concrete paving 125,000 sq.yd. Stephenson Super Hy. $375,000. L. V. Belknap, Pontiac, engr.

Kan., Coldwater — Comanche Co. preliminary plans grading 7.575 mi. Kansas Project Rd. K1, 30 ft. L. M. Leiter, Court House, engr.

Kan., Topeka—Shawnee Co. preliminary plans grading, 3 bridges on 7.392 mi. Road K.10, 30 ft. C. H. Wasson, Court House, engr.

Kan., Wellington—Sumner Co., preliminary plans grading 6.951 mi. Road K.49, 30 ft., also three 8 x 30 ft. multiple box span bridges. G. Roseberry, Court House, engr.

Kan., Westmoreland — Pottawatomie Co. revising plans grading, bridges 3.71 mi. Federal Aid Project 203-B, U. S. Rd. 40—1.553 mi. Project 203-A—curbing, guttering, paving 0.908 mi. Federal Aid Project 355. Former bids returned unopened. L. E. Whearty, Court House, engr. Noted Nov. 15.

Mo., St. Louis—Preliminary plans widening, repaving Bway. between Morin Ave. and Halls Ferry Rd. $137,317.

Ark., Marianna—Preliminary plans grading, curbing, concrete paving streets east of Missouri Pacific R.R. Thomas H. Allen Eng. Co., Bank of Commerce Bldg., Memphis, Tenn., engrs.

Tex., Amarillo—Preliminary sketches two course penetration on gravel paving 12 blocks Arthur St. from 10th St. to Glenwood addition. $35,000. H. B. Jones, city engr.

Tex., Galveston—Galveston Co., rock asphalt on shell surfacing 9 mi. Texas City-Kemah Rd. from 6th St. in Texas City to Kemah-Seabrook Bridge, 18 ft. $125,000 bonds voted for same. C. C. Washington, Galveston, co. engr.

Tex., San Antonio — T. E. Barnes, 901 Victoria St., 1½ in. asphalt on hard base paving 45 acre sub-division, West Cincinnati Ave. $50,000. Private plans.

Tex., Uvalde—Bituminous macadam on crushed stone paving 17.57 mi. Hy. 3, 18 ft. $214,500. D. W. Hooper, Uvalde, resident engr.

Okla., Ada—Grading, paving 9 blocks Norton, College and Hillside Sts., 30 ft. To exceed $25,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Boise City — Vertical fibre brick paving 6,900 sq.yd. Court House Square. $31,000. H. A. Warner, Amarillo, Tex., engr.

Okla., Oklahoma City—Surveys 7 in. concrete paving 8,800 sq.yd. Maple, Cedar and Barnes Sts. $32,000. W. W. Small, city engr.

Okla., Sulphur—Murray Co. grading, graveling 10 mi. Road 12, 28 ft. To exceed $25,000. J. A. McClure, co. comr.

Calif., Redwood City—Paving, sewers Lexington Park Dist. $25,000 or more. C. L. Dimmitt, city engr.

Calif., San Diego — Common Council, grading, curbing, 6 in. concrete paving 121,947 sq.ft. San Gorgonio St. H. W. Jorgensen, city engr.

Calif., Santa Ana—Orange Co. rejected bids grading. curbing, walks, lighting system, bituminous macadam paving Impvt. 19.

Calif., Yuba City — Curbing, guttering, paving Fruitville and University Aves. To exceed $25,000. W. Shearer, city engr.

Ontario — Dpt. P. Hys., East Block, Parliament Bldgs., Toronto, A. A. Smith, ch. engr., rein.-con. paving 12 mi. hy. from Ambassadors Bridge in Sandwich to Maidstone, 20 ft. $300,000.

Ont., Durham—Council, W. B. Vollett, town clk., concrete paving Main and other streets. $35,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Dec. 6.

Ont., Woodstock—Suburban Roads Comn., concrete paving 3 mi. 12th Line. $60,000. F. J. Ure, County Bldgs., engr.

Bids Asked

Mass., Boston—Dec. 28, by Dpt. P. Wks., sheet asphalt or bitulithic paving Manthorn Rd. and North Crescent Circuit. To exceed $25,000. J. H. Sullivan, comr.

Miss., Bay St. Louis—Jan. 3, by Bd. Supervs. Hancock Co., curbing, 7 in. rein.-con. paving 7,865 sq.yd. Seawall Rd. J. W. Billingsley, Interstate Bldg., New Orleans, La., engr.

La., Baton Rouge—Jan. 2, at office East Baton Rouge Parish School Bd., Court House, 1,000 sq.yd. concrete sidewalks on Monte Sano Elementary School site, 3rd Ward. Seifried & Troeger, 206-7 Wieck Bldg., landscape archts.

Ind., Muncie—Dec. 29, by Comrs. Delaware Co., grading, bituminous macadam paving 8,000 ft. Harris and Hartford Rd., Union Twp. $34,510. W. M. Shafer, aud. and clk.

Ia., Marshalltown—Dec. 31, at office Auditor Marshall Co., crushed rock or gravel surfacing 6,884 cu.yd. Laurel-Gilman Rd. D. C. Elder, Marshalltown, co. engr.

Kan., Concordia—Dec. 31, by Clerk Cloud Co., grading, culverts 3.03 mi. Kansas Project 745, 30 ft., incl. 275 ft. hedge, 31,890 lb. reinforcing. To exceed $25,000. L. T. Dudley, Concordia, co. engr.

Kan., Concordia—Dec. 31, by Clerk Cloud Co., grading, culverts 7.632 mi. Project 746, 30 ft., incl. 1,040 ft. guard fence, 12,020 ft. hedge, 55,019 lb. reinforcing, 488 ft. rein.-con. pipe, 4,250 ft. snow fence. L. T. Dudley, Concordia, co. engr.

Kan., Lawrence — Jan. 3, by Clerk Douglas Co., grading 47,938 cu.yd. Project 752. To exceed $25,000. E. E. Trueblood, Lawrence, co. engr.

Kan., Wellington — Jan. 3, by J. A. Alexander, clk. Sumner Co., grading 7.946 mi. Project 49-2-K. 747, incl. three 25 ft. deck girder and three 10 ft. multiple spans—7.498 mi. Project 49-3-K. 748, incl. three 8 ft. multiple box spans—10.965 ft. Project 44-6-K. 749, incl. three 25 ft. deck girder and fifteen 8 ft. multiple box spans. G. Roseberry, Court House, co. engr.

Kan., Wellington — Jan. 10, by Clerk Sumner Co., grading, culverts 7.945 mi. Kansas Project 747, 30 ft. incl. 12,745 ft. hedge, 560 ft. guard fence, 34,980 lb. reinforcing—7.498 mi. Kansas Project 748, 30 ft., 25,671 ft. hedge, 50,310 lb. reinforcing—10.965 mi. Kansas Project 749, 30 ft., 29,622 ft. hedge, 120 ft. guard fence, 60,490 lb. reinforcing. To exceed $75,000. G. Roseberry, Wellington, co. engr.

Tex., Ballinger—Runnels Co. taking bids hard paving 11 mi. main hys. $320,000. Address P. Trimmier, Ballinger, co. judge.

Oklahoma—Jan. 9, by State Hy. Dept., Oklahoma City, concrete slab surfacing 10.600 sq.yd. U. S. Hy. 64, Alfalfa Co. $25,000—12,567 sq.yd. U. S. Hy. 66, Creek Co. $25,000—38,600 sq.yd. U. S. Hy. 64, $82,000 and 42,300 sq.yd. U. S. Hy. 64, $93,000, both Garfield Co.—52,500 sq.yd. U. S. Hy. 81, Grant Co. $120,000 42,600 sq.yd. U. S. Hy. 33, Logan Co. $97,000—53,000 sq.yd. U. S. Hy. 64, $125,000 and 36,600 sq.yd. U. S. Hy. 77, $82,000, both Noble Co.—38,564 sq.yd. U. S. Hy. 75, Okfuskee Co. $91,000—29,567 sq.yd. State Hy. 11, Osage Co., $65,000—28,000 sq.yd. same road $63,000—sheet asphalt surfacing 28,100 sq.yd. U. S. Hy. 66, Beckham Co. $70,000—32,100 sq.yd. U. S. Hy. 70, Bryan Co. $75,000—36,570 sq.yd. same road $83,000—28,100 sq.yd. U. S. Hy. 61, Canadian Co. $65,000—42,000 sq.yd. U. S. Hy. 266 Lincoln Co. $102,000—52,000 sq.yd. U. S. Hy. 77, Murray Co. $100,000—44.570 sq.yd. State Hy. 48, Seminole Co. $110,000—brick resurfacing 26,200 sq.yd. Hy. 73 $68,000 and 26,400 sq.yd. Hy. 64 $65,000, both Muskogee Co. grading, structures 8 mi. State Hy. 41, Beckham Co. 4.5 mi. State Hy. 7, and 9 mi. State Hy. 41, Caddo Co.—11 mi. U. S. Hy. 66, Canadian Co.—10 mi. State Hy. 7, Comanche Co.—6 mi. U. S. Hy. 66, Custer Co.—7.5 mi. U. S. Hy. 81, Grady Co.—5.5 mi. State Hy. 9, Haskell Co.—8.5 mi. U. S. Hy. 81, Jefferson Co.—6 mi. U. S. Hy. 81, Kingfisher Co.—5 mi. State Hy. 7, Kiowa Co.—8 mi. U. S. Hy. 266, McIntosh Co.—8 mi. State Hy. 3, Pittsburg Co.—8 mi. State Hy. 18, Pottawatomie Co.—5.5 mi. State Hy. 10, Pushmataha Co.—5 mi. State Hy. 36, Tillman Co.—5 mi. State Hy. 41, Washita Co.—6 mi. same road, $25,000. All above exceeds $500,000. All graded roads 30 ft. wide. C. R. Mandigo, hy. engr.

Okla., Lindsay—Jan. 4, by C. E. Hillyer, city clk., grading, graveling 21,000 cu.yd. Kiowa, Cherokee, Choctaw and Chickasaw Sts. $59,475. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Dec. 20.

Okla., Oklahoma City—Jan. 2, by J. W. Berry, clk. Oklahoma Co., graveling 7,000 cu.yd. East Reno Avenue Rd. $25,000. R. S. James, Court House, engr.

Okla., Shawnee—Jan. 8, by J. C. Coleman, clk., grading, sheet asphalt paving 5,800 sq.yd. Harper, Noble and Hays Sts. $25,000. E. T. Archer & Co., New England Bank Bldg., Kansas City, Mo., engrs.

Okla., Tecumseh—Jan. 2, by C. E. Pettigrew, clk. Pottawatomie Co., graveling 9,000 cu.yd. County Rd. Project 40. $25,000. J. H. Merkle, Tecumseh, engr.

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Wooden Structural Materials Creosoted by Republic

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OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Streets and Roads (Continued)

California—Jan. 9, by C. H. Purcell, state hy. engr., Sacramento, grading, crushed gravel or stone surfacing 12.2 mi. Kern Co.

Contracts Awarded

Mass., Eastham — Bd. Selectmen, dirt and gravel road between Eastham Camps and Northeastern St., to F. W. Fulcher, Orleans. Est. $25,000.

N. Y., Long Island—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, asphalt paving 6th Ave. $18,615, 88th St. $5,961, 110th St. $16,849—Brugel Contg. Co., 427 Weirfield St., grading Charlotte Pl. $7,681, 60th St. $9,540—to J. J. O'Brien, Jr., Williams St., Jamaica, 58th St. $2,396—to Slattery Contg. Co., 10 East 43rd St., New York, 69th St. $8,026. Grand total $69,068. Noted Dec. 13.

N. Y., Long Island City—W. R. Herrick, pres., Park Bd. Arsenal Bldg., Central Park, New York, widening, paving Washington Ave., to Sprague Constr. Co., Alameda St., Brooklyn $58,306; sidewalks adjacent to Transverse Rd., to Welsh Bros. Contg. Co., 27 Purvis St., $7,900, both in Jacob Riis Park, Queens Boro. Noted Dec. 13.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving West End Ave., to Valatia Constr. Corp., 15 East 40th St., $107,844—granite block paving 12th Ave., to Sicilian Asphalt Paving Co., 41 Park Row, $56,609—grading, curbing 34th St., to Meehan Paving & Constr. Co., 90 West St., $15,814. Grand total $180,267. Noted Dec. 6.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, reconstructing roadway and dam at Clove Lake, Richmond Boro, to J. Anderson, 1571 Richmond Terrace, Port Richmond, $168,428. Noted Dec. 6.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving Lincoln Ave., to J. J. O'Rourke, 238 Gordon St., $22,800; Manor Rd., to J. Johnson Sons, 455 Bway., West New Brighton, $6,385. Noted Nov. 29.

N. J., Tenafly—Bd. Boro Council, Boro Hall, rein.-con., paving Woodland Park Rd., to G. M. Brewster & Sons, Inc., Fort Lee Rd., Bogota, $42,574.

Maryland—State Roads Comn., Baltimore, graveling 3.2 mi. Contr. Ch-49, Charles Co., to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore, $28,199.

Maryland—State Roads Comn., Baltimore, concrete paving 1.38 mi. Contr. F-121, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $25,173. Noted Oct. 25.

Miss., Hattiesburg—Brick, concrete, asphalt paving streets in business section, to E. A. Finch Constr. Co., Hattiesburg, and Southern Paving & Constr. Co., Volunteer

Miss., Holly Springs — Curbing, paving streets, to Rowan & Reckard, Augusta, Ark., $27,035.

Miss., Kosciusko — Grading, curbing, guttering, sewers, concrete paving 23,400 sq.yd., to Barber Bros., Oxford, $30,000.

Louisiana — State Hy. Comn., Baton Rouge, graveling 7.248 mi. Bastrop-Hamburg Hy., State Project 678, Morehouse Parish, 20 ft., to Hammet & Salter, Natchitoches, $34,839. Noted Nov. 15.

Kentucky — State Hy. Dpt., Frankfort, grading, using 1st class rein.-con. pipe, 13.363 mi. roads in Breckenridge Co., to J. M. Perkins Co., Frankfort, $67,544—7.019 mi. Marion Co., to Berea Constr. Co., Berea, $16,314—7.34 mi. Muhlenberg Co., to Carter, Carter & Braden, Clay, $58,730—14.892 mi. Muhlenberg and Todd Counties, to E. L. Traughber, Elkton, $135,376—9.336 mi. Nelson Co., to Berry & Kelly, Louisville, $69,539. Grand total $347,502. Noted Oct. 25.

Ohio—H. J. Kirk, dir. Hys., Columbus, O., grading 4.69 mi. Sects. C-1, C-2, and Powhatan, State Route 7, Belmont Co., to H. W. Watters, Atlas Bldg., Columbus, $292,096. Noted Nov. 22.

O., Cleveland — Cuyahoga Co., stone curbing, vitr. brick paving 11,730 sq.yd. Chestnut Rd., to Loesch & Green, 4169 Pearl Rd., $95,423.

Ill., Venice — Grading, curbing, 9,440 sq.yd. asphaltic wearing surface, 10,900 sq.yd. concrete base, 4th Street Paving Dist., to Concord Constr. Co., Ambassador Bldg., St. Louis, Mo., $53,220. Est. $57,232. Noted Aug. 2.

Iowa—State Hy. Comn., Ames, paving roads in Benton Co. to Bryant Paving Co., Waterloo, $217,006 — Buchanan Co., to Western Asphalt Paving Corp., 2100 East 4th St., Sioux City, $307,839. Noted Dec. 6.

Kan., Goodland—Sherman Co., sanding 15 mi. State Project 654, Road K-27, 30 ft., to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, Neb. Noted Nov. 1.

Kan., Kansas City—Wyandotte Co., grading, concrete paving 1.564 mi. Swartz-Probst Rd., 18 ft. wide with 6 ft. dirt shoulders, to J. A. Tobin, 5524 Mission Rd. Noted Nov. 22.

Kan., Olathe—Johnson Co., grading, asphalt on concrete surfacing 0.64 mi. Project 12-B, Tomahawk Rd., 29 ft., to J. E. Clark, Olathe, $32,161.

Kan., Ottawa — Franklin Co., to A. L. Cook, Ottawa, gravel or chat surfacing 12 mi. Project 724, $18,288; grading 4.601 mi. Project 726, $51,642; bridge on same, $3,896. Grand total $73,827. Noted Nov. 18.

Ark., Pine Bluff—Grading, curbing, concrete paving 4th Ave. and Locust St., Impvt. Dist. 104, to J. P. McNulty, Pine Bluff, $73,198. Est. $60,000. Noted Nov. 1.

Tex., Galveston — Galveston Co., shell surfacing 25 mi. Port Bolivar-High Island Rd., to W. D. Haden & Co., Amer. Natl. Insurance Bldg., Galveston, $72,000. Est. $90,000. Noted Nov. 22.

Tex., Houston—Rock asphalt paving 20,000 sq.yd., to A. M. Arnold & Co., 112 Buffalo St., $77,125. Est. $80,000. Noted Dec. 6.

Okla., Oklahoma City—Sheet asphalt resurfacing 12,660 sq.yd. Robinson St., to Western Paving Co., Petroleum Bldg., $62,015. Est. $65,000.

Colorado—State Hy. Dpt., Denver, gravel surfacing 3.35 mi. Federal Aid Project 259-A, Saguache Co., to E. H. Honnen, Colorado Springs, $51,551, 3.465 mi. Hy. 6, Delta Co., to Gardner Bros. & Glenn, Silt, $60,805.

Nevada—State Hy. Comn., Carson City, crushed rock or graveling Federal Aid Projects 79-A and 1, Churchill and Pershing Counties, to Nevada Rock & Sand Co., Inc., Reno, $30,838.

Wash., Montesano—Comrs. Grays Harbor Co., constructing 2 mi. Pacific Beach-Ocean View Hy., to Forsberg & Forsberg, Aberdeen, $43,259. Est. $45,000.

California—State Hy. Dpt., Sacramento, grading, gravel surfacing 0.9 mi. San Luis Obispo Co., 20 ft., to W. J. Taylor, Palo Alto, $34,211; grading 8.5 mi. Los Angeles Co., to R. L. LaTourleau & O. A. Lindberg, Stockton, $391,391. Noted Nov. 15.

California—State Hy. Comn., Sacramento, oil treated crushed gravel or stone surfacing 14 mi. San Bernardino Co., to Allied Contrs, Inc., 1803 Douglas St., Omaha, Neb. $183,240. Noted Nov. 22.

California—State Hy. Comn., Sacramento, grading, asphaltic concrete paving 1.7 mi. road between County Fair Grounds and Hanford, Kern Co., 24 ft., to California Constr. Co., Standard Oil Bldg., San Francisco, $25,536. Noted Sept. 6.

California—State Hy. Comn., Sacramento, grading, oil treated crushed rock surfacing 10.6 mi. Lake Co., to Van der Hellen, Pearson & Logan, Medford, Ore., $198,820. Noted Dec. 6.

California—State Hy. Comn., Sacramento, grading, oil treated gravel surfacing 10.3 mi. Inyo Co., 20 ft., to G. W. Ellis, 1005 Kenneth Rd., Glendale, $102,390. Noted Nov. 8.

Calif., Crescent City—Grading, curbing, guttering, vitr. sewers in Front St., to Webber Constr. Co., Crescent City, $60,250.

Calif., Los Angeles—Curbing, guttering, concrete paving 13,494 ft. San Fernando Rd., to P. J. Akmadzich, 821 Yale St. Noted Dec. 6.

Calif., Monrovia—Curbing, walks, guttering, lighting system, 9:7:7:9 in. concrete paving 211,202 sq.ft. White Oak Ave., to J. E. Haddock, 357 North Chester St., Pasadena, $120,608.

Calif., Oakland—Grading, storm water drains, paving Hopkins St. between Park Blvd. and 13th Ave., to Central Constr. Co., Oakland Bank Bldg., $48,925. Noted Nov. 15.

Calif., San Diego—Grading, paving, San Diego and La Jolla Aves., to B. Pearce, 4307 Logan St., $23,910; 6 in. asphaltic concrete paving 178,711 sq.ft. Ebers St., to Daley Corp., 4430 Boundary St., $38,045. Noted Oct. 25.

Calif., Santa Ana—Orange Co., grading, curbing, bituminous macadam on waterbound macadam paving Impvt. 17, to Western Constr. Co., San Juan Capistrano, $143,475. Noted Dec. 20.

Calif., Stockton—San Joaquin Co., grading, oil and gravel surfacing Ray Rd., and grading, graveling Atherton Rd., to G. French, Box 615, $25,185 and $20,253 respectively.

Ont., Ayr—Council, concrete paving 1½ mi. Northumberland St., 26 ft., to Langdon Co., 26 Galley Ave., Toronto. Est. $46,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Wellsville, Mo., election in spring, $80,000.
Waterworks—Collett, Tex., Jan. 15, $35,000.
Waterworks—Pismo Beach, Calif., $60,000.
Waterworks—Pittsburg, Calif., $29,000.
Waterworks — Ballinger, Tex., Jan. 15, $110,000.
Waterworks—Oakland, Calif., $25,000.
School—Glendale, Calif., $600,000.

Bonds Voted

Waterworks—Dayton, Tex., $60,000.
Waterworks—Seagrave, Calif., $45,000.
Roads—Hollis, Okla., Harmon Co., $325,000.
Sewers—Dayton, Tex., $40,000.
School—Lyons, Kan., $170,000.
High School—Freeport, Tex., $150,000.

Bonds Defeated

Waterworks—Poplar Bluffs, Mo., $225,000.

Buildings—Industrial

Proposed Work

Mass., Beverly—LAUNDRY—E. Fossa, 81 Cabot St., 1 story, 50 x 100 ft., brick, steel, plain found., Lathrop St. $40,000. Private plans.

Mass., Randolph—SHOE FACTORY—Fields Bros., W. P. Fields, pres., East Bridgewater, 1 story, 95 x 200 ft., brick, $80,000. Engineer and architect not selected.

Conn., East Hartford (br. Hartford)—UPHOLSTERING PLANT—Acme Upholstery Co., 117 Allyn St., Hartford, plans by A. Feinberg, 1127 Main St., brick, Tolland St. $60,000. Noted Mar. 1.

N. Y., Brooklyn—MILK DEPOT—Ferndale Farms, Inc., 1678 Bergen St., soon lets contract milk depot, Liberty and Snediker Aves. $40,000. E. M. Adelsohn, 26 Court St., archt.

N. Y., New York—SERVICE GARAGE—J. McGinnis, 305 East Kingsbridge Rd., plans by J. P. Boyland, 305 Kingsbridge Rd., 2 story, 88 x 101 ft., brick, concrete, Westchester and Waters Aves. $40,000.

N. Y., New York—SERVICE GARAGE—R. S. C. Realty Corp., C. J. Joser, pres., 471 Park Ave., plans by Cohn & Siegel, 45 West 57th St., 2 story, 125 x 131 ft., brick, concrete, Westchester Ave. and East Pugsley St. $40,000.

N. Y., New Rochelle—OIL STORAGE and FIRE WALL—Pure Oil Co., 420 Lexington Ave., New York, plans by Erickson Equipment Co., 452 Lexington Ave., New York, 2 story, oil storage and fire wall. $40,000.

N. Y., Richmond Hill (Ind. br. Jamaica)—FACTORY—Suburban Bronze & Iron Co., 101st St. and Atlantic Ave., Queens Village, plans by Koch & Wagner, 32 Court St., Brooklyn, 2 story, 100 x 140 ft., 129th St. and 94th Ave. $90,000.

N. Y., St. George—SERVICE GARAGE—F. Coonley, 107 Central Ave., 6 story, 75 x 100 ft., brick, Montgomery Ave. and Fort Pl. $150,000. Private plans. Noted Nov. 8.

N. Y., St. George—SERVICE STATION and GARAGE — A. Brozoziewski, c/o F. Wall, archt., 572 Oakland Ave., Port Richmond, 82 x 147 ft., brick, concrete, Richmond and Klondike Aves. $40,000.

N. Y., Yonkers—WAREHOUSE—Owner, c/o J. Watson, archt., 29 Amackassin Pl., sketches 3 story warehouse (refrigeration). $200,000.

N. J., Englewood — AUTO LAUNDRY and PAINT SHOP — Owner, c/o P. J. Jossier, archt., 240 Broad Ave., Palisades Park, sketches 1 story, 60 x 180 ft., brick, steel, plain found. $60,000.

N. J., Fairview — BAKERY — Dugan Bros., 161 Arlington Ave., Newark, 2 story, basement, 125 x 153 ft., brick, steel, plain found., Kamena, Murry and 6th Sts. $100,000. Private plans. Noted Dec. 13.

N. J., Newark—FACTORY—Machinery & Equipment Co., 225 Sherman Ave., 1 story, 50 x 150 ft., steel, brick, Frelinghuysen Ave. $40,000. A. J. Silberstein, 60 Park Pl., archt.

N. J., North Bergen (Ind. br. West New York)—FACTORY—Perryman Electric Co., 30th St. and 4th Pl., 3 story, basement, 80 x 200 ft., rein.-con., brick, steel, plain found., Hudson Blvd. and 12th St. $100,000.

N. J., Paterson—PISTON RING PLANT—U. S. Piston Ring Co., 1222 South Grove

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Buildings—Industrial (Continued)

St., Irvington, sketches 2 story, basement, brick, steel, plain found., Iowa and Pennsylvania Aves. $45,000. Private plans.

N. J., Sayreville—ELECTRIC GENERATING PLANT — Eastern New Jersey Tower Co., Main St., 60,000 kw. plant, incl. two 30,000 kw. steam turbo generators. $6,000,000.

N. J., South Amboy—SHIRT FACTORY —M. Cohen, 194 Hall Ave., Perth Amboy, plans by E. Wierzbicki, 175 Smith St., Perth Amboy, 1 story, basement, 100 x 100 ft., brick, plain found. $40,000. Noted Dec. 20.

Pa., Nemacolin — COAL CLEANING PLANT—Youngstown Sheet & Tube Corp., Stambaugh Bldg., Youngstown, O., coal cleaning plant. $1,000,000. Allen & Garcia, 332 South Michigan Ave., Chicago, Ill., engrs.

Pa., Pittsburgh — MANUFACTURING PLANT—E. L. Wiegand Co., 1st Ave., plans by B. H. Prack, Martin Bldg., 1 story, 200 x 300 ft., brick, steel. $200,000.

D. C., Wash.—BAKERY—C. B. Comstock, archt., 110 West 40th St., New York, bids in Spring on revised plans 2 story, basement, 161 x 237 ft., brick, concrete, Georgia Ave. and W St. N. W., for General Baking Co., 420 Lexington Ave., New York. Est. $200,000. Noted Nov. 8.

N. C., Asheville — HOSIERY PLANT — Asheville Silk Hosiery Co., Asheville, A. Shullz & D. Baer, Lansdale, Pa. (owners), hosiery mill, on Beaverview Rd.

N. C., Durham — HOSIERY MILL — Golden Belt Mfg. Co., plant addition. $150,000.

N. C., Swannanoa—BLANKET PLANT—Beacon Mfg. Co., addition to plant.

S. C., Greenville—FACTORY—Southern Pile Fabric Co., 4841 Lancaster Ave., Phila., Pa., enlarging 1 story, plant from present size of 96 x 160 ft. to 96 x 200 ft. To exceed $40,000. Private plans.

Tenn., Memphis—PRINTING PLANT—Block & Goodman Realty Co., Dermon Bldg., 2 story, basement, concrete, brick, steel, 233-35 Court Ave. $60,000.

O., Cleveland—FOUNDRY—Bd. Educ., F. G. Hogen, dir., revised plans by G. M. Hoplinson, Auditorium Garage Bldg., 1 story, brick, steel, Eagle Ave. $40,000. Former bids rejected. Noted Nov. 1.

O., Cleveland — REFINERY — Canfield Oil Co., C. McLean, vice pres., 3216 East 55th St., plans by L. Carrouth, c/o owner, 1 story, brick, steel addition, East 55th St. and Wheeling & Lake Erie R.R. $40,000.

O., Columbus—FACTORY—Jaeger Machine Co., 520 Dublin Ave., soon takes bids 2 story, 518 Dublin Ave. $40,000. Bassett & Tresselt, 257 East Broad St., archts.

O., East Cleveland (br. Cleveland) — WAREHOUSE and SHOP—Bd. Educ., D. C. Van Buren, clk., Euclid and Shaw Aves., sketches by H. W. Morse Co., engrs. and archts., Finance Bldg., Cleveland, 2 story, 60 x 100 ft., brick, steel, Elderwood Ave. $40,000.

O., Euclid (br. Cleveland)—FACTORY-MILL—Chase Brass & Copper Co., 236 Grant St., Waterbury, Conn., A. Perry, soon lets contract factory and mill. $1,000,000. Austin Co., Euclid Ave., Cleveland, archts.

Ind., Indianapolis — POWER PLANT — Bd. Health plans by R. F. Daggett, 922 Continental Bank Bldg., brick, steel power plant and service building, 960 Locke St. $450,000. C. R. Ammerman, 925 Continental Bank Bldg., engr.

Mich., Detroit—FACTORY—Motor Products Corp., 11801 Mack Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 60 x 200 ft., top addition, 1 story, 80 x 100 ft., and 100 x 480 ft., 2 story, 60 x 100 ft., rein.-con., brick, steel, plain founds., Mack Ave. $250,000.

Mich., Detroit—TRUCK FACTORY—F. J. Winter, archt., 309 Grand River Ave., soon lets contract 2 story, 60 x 400 ft., brick, steel, plain found., Federal Ave., for Federal Motor Truck Co. $250,000. Noted Dec. 6.

Mich., Flint — PLANT — Fisher Body Corp., Genl. Motors Bldg., Detroit, 1 story, 120 x 120 ft., and 50 x 180 ft., rein.-con., brick, steel with wing for addition to Plant 1, plain found. $75,000. Private plans.

Mich., Grand Rapids — STORAGE — Blodgett Packing & Storage Co., Commerce St., 6 story, 52 x 125 ft., State St. $200,000. Engineer and architect not selected.

Ill., Aurora—PLANT—F. E. Davidson, archt., 53 West Jackson Blvd., Chicago, soon takes bids plant, for Independent Pneumatic Tool Co., 2600 West Jackson Blvd. To exceed $40,000.

Ill., Forest Park — MILK DISTRIBUTING PLANT—Roberts & Roberts, archts., 105 North Clark St., Chicago, soon lets contract 2 story, brick, for Bordens Farm Products Co., 326 West Madison St. To exceed $200,000.

Ill., Joliet—FACTORY—Bates Mfg. Co., Joliet, or 213 Custis St., Chicago, factory addition. To exceed $40,000.

Minn., Rochester—CANNING FACTORY —Reid-Murdock Co., Clark St. Bridge, Chicago, Ill., rein.-con., brick. $100,000.

Texas — CASINGHEAD GASOLINE PLANT — Phillips Petroleum Co., Bartlesville, Okla., 4 unit plant in southwest Jones Co. $75,000. Private plans.

Tex., Mercedes — CANDY FACTORY — Valley Industries, Inc., 1 story, 60 x 140 ft., brick, rein.-con. plant, incl. machinery.

Tex., Raywood—COTTON GIN PLANT—Farmers Gin Co., Raywood, electrically operated cotton gin plant. $45,000. Private plans.

Tex., Yoakum — PACKING and SHIPPING PLANT—Alex Woldert Co., Tyler, tomato packing and shipping plant. Private plans.

Okla., Muskogee — ICE PLANT — W. Hough & Co., sketches 50 ton raw water ice plant. $65,000. Private plans.

Okla., Sapulpa—ICE PLANT—W. Hough & Co., Muskogee, sketches 40 ton ice plant. $60,000. Private plans.

Calif., Los Angeles—FACTORY—Samson Tire & Rubber Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., brick, steel, Harbor Truck Blvd. $500,000.

Calif., Los Angeles — LAUNDRY — F. Meline, 706 South Hill St., 12 story, basement, sub-basement, 150 x 175 ft., steel, concrete, North Vine St. Engineer and architect not selected.

Que., Montreal — FOUNDRY — Robert Mitchell Co. Ltd., 64 Belair St., model foundry plant, incl. laboratory and research, offices.

Ont., Fort Erie — FACTORY — Horton Steel Wks., C. H. Scheman, mgr., extending factory, Gilmore St. $50,000. Private plans.

Ont., St. Catharines—FACTORY—W. S. Tyler Co., 3615 Superior Ave. N. E., Cleveland, O., factory, Ontario St. $100,000.

Ont., Toronto — FACTORY — Toronto Hosiery Co., Ltd., 1093 Queen St. W., 2 or 3 story, basement, concrete, brick, steel. $75,000. Engineer and architect not selected.

Ont., Toronto — GARAGE and SHOW ROOM—Natl. Motors Ltd., 49 Bloor St. W., 2 or 3 story, basement, concrete, brick, steel, stone, Bloor St. $100,000-$200,000. Engineer and architect not selected.

Ont., Toronto — PLANT — Riley Eng. & Supply Co. Ltd., 360 Dufferin St., brick, steel plant, near here. $100,000.

Ont., Toronto—WAREHOUSE and FACTORY—Canada Metal Co. Ltd., 29 Fraser Ave., concrete, brick, Fraser Ave. $50,000. Engineer and architect not selected.

Sask, Regina—PLANT—Goodyear Tire & Rubber Co. Ltd. (C. H. Carlisle, pres., Toronto, Ont.) plant. $1,000,000.

Sask., Regina—PLANT—Pedlar People of Oshawa, distributing plant. $125,000.

Sask., Regina—PLANT—I. H. Adams Co. Ltd., Winnipeg, Man., plant. $100,000.

Sask., Regina—WAREHOUSE—General Steelwares, Ltd., warehouse. $100,000.

B. C., Vancouver — SMELTER and REFINERY — Consolidated Mining & Smelting Co. Ltd. of Canada, Trail, B. C., and Montreal, Que., copper refinery and smelter on Pacific Coast, near here. $5,000,000. Private plans.

Bids Asked

Mass., Falmouth—FACTORY—See "Contracts Awarded."

Mass., Falmouth—SHOP—See "Contracts Awarded."

Mass., Hyannis—CLEANSING PLANT—See "Contracts Awarded."

Conn., Hartford—GARAGE—I. Boyland, 112 Lafayette St., Stamford, taking bids 1 story, 50 x 142 ft., concrete brick, steel, Chapel St. $50,000. W. W. Dolliver, 2 Nepaug St., archt. Noted Dec. 6.

Conn., Stamford — LAUNDRY — Stamford Steam Laundry Summer Pl., taking bids 1 and 2 story, 60 x 200 ft., concrete, brick, steel, Summer Pl. $75,000. Fletcher-Thompson, 452 Fairfield Ave., Bridgeport, archt. Noted Nov. 29.

N. Y., Yonkers—PLANT and OFFICE—J. S. Bartley, archt., 30 Fairview St., taking bids general contract 3 story addition, 25 Fernbrook St., for Yonkers Mineral Water Co., 25 Fernbrook St. $60,000.

Pa., Aspinwall (mail Pittsburgh) — MANUFACTURING — See "Contracts Awarded."

Pa., Stroudsburg — MILL — Mammoth Hosiery Co., Allegheny and B Sts., Phila., taking bids 1 story, basement, 98 x 100 ft., brick, steel, plain found. $60,000. Private plans.

N. J., Maplewood (br. South Orange) — GOLF CLUB FACTORY—See "Contracts Awarded."

N. J., Newark—ICE PLANT—F. Grad, archt., 1023 Broad St., taking bids general contract brick, steel, rein.-con., plain found., 250-270 Badger Ave., for L. & K. Ice Corp., c/o architect. $40,000.

Mich., Detroit—PACKING PLANT—Jan. 2, by Henschein & McLaren, archts., 1627 Prairie St., Chicago, Ill., 2, 3 and 4 story, basement, 225 x 450 ft., rein.-con., brick, plain found., for B. H. Kroger Grocery & Baking Co., 813-17 Main St., Cincinnati, O.

Ill., Chicago — FACTORY — See "Contracts Awarded."

Ill., Springfield — PLANT — Monarch Tractor Corp., 10th and Stanford Sts., taking bids 1 story, 105 x 336 ft., and 80 x 240 ft., brick, steel addition. Klug & Smith, Co., 69 East Milwaukee Ave., Milwaukee, Wis., engrs.

Ia., Des Moines—ICE PLANT—See "Contracts Awarded."

Contracts Awarded

Mass., Falmouth—FACTORY—Concrete Products Co., 1 story, brick, plain found., altering and constructing additions, off East Main St., separate contracts. Private plans.

Mass., Falmouth—SHOP—Wood Lumber Co., J. B. Miskell, mgr., altering and constructing 1 story, brick addition, plain found., separate contracts. Private plans.

Mass., Hyannis—CLEANSING PLANT—Mayflower Dyeing & Cleansing Co., Main St., rebuilding 2 story, brick, plain found., recently destroyed by fire, separate contracts. $40,000. Private plans.

Mass., Lynn — SALES, SERVICE and REPAIR GARAGE—R. T. Pender, Inc., 41 Sutton St., 1 story, basement, 100 x 100 ft., brick, steel, plain found., to E. C. Blanchard Co., 333 Union St. Est. $50,000. Noted Dec. 20.

Mass., New Bedford—FOUNDRY—New Bedford Brass Fdry., 42 Front St., altering and constructing 2 story, concrete addition, plain found., Pine St., to W. Young, 122 Union St.

Conn., Bridgeport—PLANT—Crane Co., South Ave., foundations for 1 and 3 story, 125 x 500 ft., and 30 x 45 ft., brick, steel, concrete South Ave., to Hewlett Co., 886 Main St. Est. $300,000. Noted Dec. 13.

Conn., New London—SERVICE GARAGE —Thompson Chevrolet Co., Huntington St., New London, 1 and 2 story, 30 x 32 ft. and 35 x 60 ft., brick addition, Huntington St., to H. Wales Lines Co., 134 State St., Meriden. Est. $50,000.

Conn., Norwalk—SERVICE GARAGE—W. R. Austin, Washington St., South Norwalk, 1 story, basement, 60 x 250 ft., brick, steel, to W. J. Lyons, Mechanic St. Est. $125,000. Noted Dec. 6.

Conn., Waterford—SERVICE—Connecticut Power Co., 33 Union St., New London, 3 story, 65 x 150 ft., brick, steel, to H. Wales Lines Co., 134 State St., Meriden. Est. $200,000.

N. Y., Buffalo — PLATING PLANT — Worthington Pump & Mchy. Co., Clinton and Roberts Sts., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $40,000.

N. Y., Hastings-on-the-Hudson—PLANT and MACHINE SHOP—Hastings Pavement Co., 25 Broad St., plant and machine shop, Railroad Ave., to L. F. Caproni, 1056 Chapel St., New Haven, Conn. Est. to exceed $40,000.

N. Y., Richmond Hill (Ind. br. Jamaica) —FACTORY—Anheuser-Busch, 979 Brook Ave., factory, 104th St., to Equity Constr. Co., 25 West 43rd St., New York. Est. $130,000.

N. J., Lambertville—FACTORY—Hobson Flatware Co., Lansdale, factory, to J. S. Bailey, Doylestown, Pa. Est. $60,000.

N. J., Long Branch—ICE PLANT—Seaboard Ice Co., 2nd and Union Aves., general contract 1 story, 100 x 100 ft., brick, plain found., Hulick St., to E. Schoenthaler, 252 Long Branch Ave. Est. $40,000. Noted Nov. 22.

N. J., Maplewood (br. South Orange)—GOLF CLUB FACTORY—Kroydon Co., Burnett Ave., 1 story, 30 x 150 ft., brick, plain found., Burnett Ave., separate contracts. $40,000. D. A. Hopper, 22 Ridgewood Ave., Irvington, archt. Noted Dec. 20.

N. J., Newark—MANUFACTURING—W. Clifford, Jr., archt., 293 Morris Ave., Elizabeth, general contract 3 story, 45 x 90 ft., brick, steel, plain found., 831 Bway. to R. Allen Inc., 319 Mount Pleasant Ave., for Delagrove Co., 829 Bway. Est. $50,000. Noted Oct. 4.

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Buildings—Industrial (Continued)

N. J., Paterson — SILK STOCKING PLANT — J. Hand & Sons, West Railway Ave., general contract 3 story, basement, 64 x 122 ft., rein.-con., brick, steel, plain found. West Railway Ave. and Goshen St. to J. W. Ferguson Co., 152 Market St. Est. $40,000.

Pa., Allentown — PLANT — American Steel & Wire Co., 319 Lehigh St., plant, 319 Lehigh St., to American Bridge Co., 30 Church St., New York. Est. $40,000.

Pa., Aspinwall (mail Pittsburgh) — MANUFACTURING — Pittsburgh Heater Co., 1 story, 40 x 80 x 100 ft., brick, steel, separate contracts. $40,000. Private plans.

Pa., Bessemer—BRICK PLANT—Metropolitan Paving Brick Co., Renkert Bldg., Canton, O., various brick, concrete, steel buildings. $150,000. Owner builds. Private plans.

Pa., Canonsburg—PLANT—Continental Can Co., 2 story, 100 x 180 ft., rein.-con., brick addition, $150,000. Owner builds. Francisco & Jacobus, 511 5th Ave., New York, engrs.

Pa., Phila.—FACTORY—Penna Flexible Metallic Tubing Co., Broad and Race Sts., 2 story, basement, 45 x 125 ft., brick, steel addition, 13th and Elmwood Sts., to E. H. Keefer & Son, 1321 Rodman St. Est. $45,000.

Pa., Phila.—PAINT FACTORY—J. T. Lewis & Bro., Lafayette Bldg., 2 story, basement, irregular shaped, brick, steel, plain found., 2545 Aramingo St., to Turner Constr. Co., 1700 Walnut St. Est. $100,000.

Pa., Pittsburgh—BOX FACTORY—F. J. Kress Box Co., 2930 Liberty Ave., general contract 1 story, 250 x 400 ft., brick, steel, Penn Ave., to Austin Co., Union Trust Bldg. Est. $500,000. Noted Nov. 22.

Va., Richmond—SILK SPINNING MILL—American Silk Mills of New York, 150 Madison Ave., New York (1st unit) 2 story, 126 x 133 ft. brick, steel, 25,000 sq.ft. floor space, to Faning & Sweeney, Greensboro, N. C. Est. $60,000.

W. Va., Benwood (br. Wheeling)—ENGINE HOUSE, REPAIR SHOP and LOCKER — Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Street Sta., Phila., Pa., general contract 1 story, rein.-con., brick, to Crossan Constr. Co., Brownsville, Pa. Est. $90,000.

N. C., Burlington—HOSIERY MILL—Standard Hosiery Mills, 1 story, 100 x 160 ft., brick, steel, to Bright & Fitch, Burlington, $75,000 up.

O., Cleveland—BAKERY—Speck Baking Co., 7505 Grace Ave., 1 story, 68 x 75 ft., brick, steel, 7505 Grace Ave., to J. Swerstal, 4472 Pearl Rd. Est. $40,000.

O., Cleveland — FACTORY — Sterling Brass Co., S. L. Weil, pres., 9600 St. Catherine Ave., 3 story, basement, 44 x 144 ft., brick, steel addition, to J. Miller, 10819 Drexel Ave. Est. $60,000.

O., Cleveland — STAMPING PLANT — Murray Ohio Mfg. Co., C. W. Hannon, pres., 1115 East 152nd St., 2 story, 64 x 239 ft., brick, steel, to Dresser Co., The Arcade. Est. $250,000. Noted Dec. 13.

O., Rossford — FACTORY — Ford Plate Glass Co., 1 story, 135 x 1,000 ft. and 250 x 300 ft., factory, 40 ft. high, Dixie Hy., to A. Bentley & Sons Co., Belmont St., Toledo. Total est. $3,000,000.

Ind., Ft. Wayne — FACTORY — Dudlo Mfg. Co., general contract 1 story, 176 x 192 ft., rein.-con., brick, steel, Wall St., to Indiana Eng. & Constr. Co., 201 Central Ave. Est. $75,000.

Ind., Ft. Wayne—MACHINE SHOP and SERVICE STATION—Old Fort Tire Co., general contract rein.-con., brick, steel, Wayne and Clay Sts., to E. R. Ellerman, 4538 South Lafayette St. Est. $46,000.

Ind., Logansport—PLANT—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., general contract two 70 x 110 ft., brick, steel buildings, High St., to H. Hedde, 309 7th St. Est. $40,000.

Ind., Shelbyville—FACTORY—Chambers Mfg. Co., general contract 2 story, basement, 50 x 120 ft., brick, steel, to H. O. Phares, Shelbyville. Est. $43,000.

Ill., Chicago — FACTORY — Stark-Line Furniture Corp., 4400 West 26th St., 2 story factory addition, 4400 West 26th St., separate contracts under supervision R. B. Kurzon, archt., 105 West Monroe St. Est. $175,000.

Ill., East St. Louis — ELECTROLYTIC ZINC PLANT — Evans Fowler Lead Co., Joplin, Mo., general contract rein.-con., steel, to Ben Hur Erection Co., 5100 Farlin Ave., St. Louis, Mo.; steel fabrication, to Amer. Bridge Co., 506 Olive St., St. Louis, Mo.

Ill., Moline—FOUNDRY and SHIPPING—Frank Foundries Corp., 125 21st St., 100 x 160 ft., and 70 x 100 ft., each 1 story, rein.-con., 21st St., to A. Carlson, 506 15th St.

Wis., Cudahy—PACKING PLANT—Henschien & McLaren, archts., 1637 Prairie Ave., Chicago, Ill., 1 story, 150 x 180 ft. tank house and beef killing building, to Coddington Engr. Co., 290 3rd St., Milwaukee, for Cudahy Bros. Co. Noted Oct. 25.

Ia., Des Moines—ICE PLANT—Central Service Co., 100 East Maple St., 1 story, basement, 50 x 200 ft., rein.-con., timber, 8th and New York Sts., day labor. Est. $40,000.

Ia., Des Moines—PLANT—J. I. Case Thresher Machine Co., 102 8th St., 3 story, basement, 40 x 106 ft., rein.-con., brick, 8th St., to R. Anderson, c/o owner. Est. $80,000. Noted Oct. 11.

Ia., Marshalltown—FOUNDRY—Gra-Iron Fdry. Corp., Marshalltown, 1 story, 116 x 204 ft., brick, timber, to C. Jacobson, Marshalltown. Est. $50,000.

Minn., Minneapolis — FACTORY—Grau-Curtis Co., 613 1st Ave. N. E., general contract 2 story, basement, 137 x 144 ft., brick, timber, to August Cederstrand & Co., Central and 3rd Aves. N. E. Est. $100,000. Noted Dec. 6.

Minn., St. Paul — GARAGE — L. C. Simons, 1381 Raymond Ave., general contract 1 story, rein.-con., brick, to G. A. Anderson & Son, 31 Benhill Rd. Est. $100,000. General Motors Truck Co., 240 West 5th St., lessee. Noted Nov. 29.

Mo., St. Louis — CHEMICAL PLANT — Peroxide Chemical Co., J. B. Brunner, pres., 6300 Etzel Ave., 1 story, basement, 98 x 130 ft., rein.-con., brick, Etzel Ave. and Wabash Ry., to W. O. Harting, International Life Bldg. Est. $40,000.

Mo., St. Louis—ELECTRIC MANUFACTURING PLANT FOUNDRY — Century Electric Co., E. S. Pillsbury, pres., 1806 Pine St., fabrication of steel for 1 story, 242 x 262 ft., concrete, brick, steel, Market St., to Mississippi Valley Structural Steel Co., 317 Big Bend Rd.; erecting steel, to Ben Hur Erection Co., 5100 Farlin Ave. Noted Aug. 16.

Mo., St. Louis—LIGHT MANUFACTURING—Owner, c/o C. R. Greene, archt., 628 Buder Bldg., 2 story, basement, 60 x 155 ft., and 60 x 160 ft., rein.-con., brick, steel, Laclede Ave. west of Sarah St., to H. M. Edmunds Building Co., 16 North 8th St.

Mo., St. Louis—PACKING PLANT—Swift & Co., 824 South Vanderventer Ave., altering 5 story, basement, South Vanderventer Ave., to Kellermann Contg. Co., 422 Victoria Bldg. Est. $45,000.

Mo., St. Louis—TRUCK BODY PLANT—J. A. McBride, c/o J. A. McBride Mechanical Equipment Co., 2639 Locust St., 1 story, basement, 177 x 200 ft., rein.-con., brick, 4115-17 Forest Park Blvd., to Hercules Constr. Co., Wainwright Bldg. Est. $75,000. St. Louis Body & Equipment Co., c/o owner, lessee. Noted Dec. 6.

Tex., Munday — ICE PLANT — E. J. Roberts, Munday, and Ft. Worth, 1 story, 20 ton capacity, concrete, brick, steel, to Murphy & Murphy, Mineral Wells, $32,000.

Colo., Denver—MILLING PLANT—Ralston Purina Co., 835 South 8th St., St. Louis, Mo., 7 story, 52 x 180 ft., rein.-con., brick building, incl. 13 story, 52 x 130 ft., 500,000 bushel capacity concrete elevator, 1 story, 50 x 125 ft., grinding and storage, 1 story, 42 x 42 ft. office, 1 story, 25 x 90 ft., garage and pumphouse buildings, to Jones-Hettelsater Constr. Co., 708 Mutual Bldg., Kansas City, Mo. Est. $500,000.

Calif., Los Angeles — FACTORY — Bergstrom Steel Co., 613 North Hewitt St., 1 story, 50 x 250 ft., steel, Slauson Ave., to Union Iron Wks., 5125 Santa Fe Ave.

Calif., Los Angeles — FACTORY — California Sanitary Canning Co., 1583 Industrial Ave., 1 story, 165 x 571 ft., steel, rein.-con., 4922 Long Beach Ave., to W. P. Neil Co., Inc., 4814 Loma Vista Ave., $78,500. Noted Aug. 23.

Calif., Los Angeles — FACTORY — Los Angeles Can Co., 303 San Fernando Rd., part 1 and 2 story, 300 x 500 ft., rein.-con., steel, U. P. Industrial Tract, to Scofield-Twaits Co., Pacific Finance Bldg., (cost plus basis).

Calif., Porterville—PACKING PLANT—Rosecrest Fruit Exchange, 1 story, basement, 60 x 120 ft., tile, to F. Sheldon, Porterville.

Calif., Wilmington—WAREHOUSE—Pacific Coast Borax Co., 1 story, 50 x 800 ft., with 100 x 100 ft. extension, to Lange & Bergstrom, Washington Bldg., Los Angeles, $100,000. Noted Dec. 13.

Ont., London—FACTORY—General Steel Wares Ltd., York St., 1 story, 150 x 250 ft., brick, steel addition, Adelaide St., to Putherbough Constr. Co., Bank of Montreal Chambers. Est. $100,000.

Ont., Toronto — FACTORY — LaFrance Fire Engine & Foamite Ltd., 195 Weston Rd., 2 story, basement, brick, steel addition, to M. Soules, Federal Bldg. Est. $50,000. sash, felt, tar and gravel roofing.

Ont., Toronto—GARAGE—W. C. Warburton & Co., 670 Bloor St. W., general contract 1 and 2 story, basement, 60 x 230 ft., rein.-con., brick, steel, to Walter Davidson & Co., 188 Duke St. Est. $100,000. Noted Nov. 22.

Buildings—Commercial

Proposed Work

Mass., Plymouth — BANK — Plymouth Natl. Bank, Inc., E. R. Belcher, pres., altering and constructing addition, 44 Main St. $150,000 or more. Engineer and architect not selected.

Mass., Quincy (Ind. br. Boston) — APARTMENT—T. B. Epps, 20 Newberry St., Boston, soon lets contract 3 story, basement, 75 x 92 ft., brick, artificial stone, Washington St. $150,000.

Mass., Wellesley (br. Boston)—APARTMENT—Wellesley College, Washington St., plans by E. N. Rogers, 89 State St., Boston, 3 story, basement, 80 x 110 ft., brick faculty apartment, plain found., Washington St. $160,000.

R. I., Pawtucket—HOSPITAL—Memorial Hospital, E. N. Littlefield, hospital, Prospect and Beechwood Sts. To exceed $150,000. Engineer and architect not selected.

R. I., Providence — THEATRE and CHAPEL—Brown University, W. P. Faunce, pres., Prospect St., theatre and chapel (separate units), University Grounds. $150,000 or more. Engineer and architect not selected.

Conn., Darien—THEATRE, BUSINESS and APARTMENT—Darien Theatre Corp., T. Crimmins, chn. building comn., plans by C. Kiessling, East Ave., New Canaan, brick, steel, Post Rd. $200,000 or more. Noted Nov. 22.

Conn., East Lyme—SANATORIUM—Seaside Sanatorium plans by Towner & Sellew, 363 Main St., Middletown, 1 story, brick, steel main building, 2 wings. $175,000.

Conn., Hartford—BUSINESS—S. Glezzer, 750 Main St., plans by Berenson & Moses, 252 Asylum St., 4 story, 75 x 130 ft., brick, steel, Main St. and Goodman Pl. $175,000.

Conn., New Haven — OFFICE and PRINTING PLANT—R. W. Foote, archt., 185 Church St., soon lets contract 2 story, basement, 100 x 300 ft., and 1 story, basement, 140 x 260 ft., rein.-con., limestone, brick, steel, Milford Turnpike, for W. H. Lee Co., 246 Meadow St. Est. $350,000.

N. Y., Albany—STORE—Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., plans by Nimmons, Carr & Wright, Michigan Ave., Chicago, Ill., department store. To exceed $200,000.

N. Y., Brooklyn—THEATRE—Syndicate, c/o H. E. Witteman, 188 Montague St., plans by Rapp & Rapp, Paramount Bldg., New York, brick, steel, Fulton St. $3,000,000.

N. Y., Hastings-on-Hudson—HOSPITAL—Jewish Mental Health Society, c/o Rose & Allen, archts., 101 Park Ave., New York, hospital group. To exceed $150,000.

N. Y., Long Island City—APARTMENT—Corporation, c/o Vito De Mastri, 27 Cleveland Pl., New York, plans by Gretsch & Creamer, Bible House, New York, 6 story, 87 x 100 ft., brick, timber, 92nd St. and Northern Blvd. $175,000.

N. Y., Long Island City—BANK—Savings Bank of Ridgewood, 1002 Forest Ave., plans by Halsey, McCormick & Helmer, 286 5th Ave., New York, 1 story, 50 x 100 ft., brick, George St. and Forest Ave. $175,000.

N. Y., New York — APARTMENT — J. Cohn, 1841 East 8th St., Brooklyn, plans by G. G. Miller, 1482 Bway., brick, timber, Beach and Sound View Aves. $250,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Koret, 400 East Fordham Rd., plans by A. E. Schaefer, 2408 Grand Concourse, 6 story, 84 x 100 ft., brick, timber, Frisby St. and St. Peters Ave. $190,000.

N. Y., New York—APARTMENT—Corporation, c/o R. Luchter, 56 Pine St., plans by O. Goldschlag, 1482 Bway., 6 story, 87 x 100 ft. apartment, 579 West 204th St. $150,000.

N. Y., New York—APARTMENT—Corporation, S. Strauss, 540 Craven St., plans by Becker & Levy, 349 East 149th St., 6 story, 86 x 200 ft., brick, timber, Ward and Westchester Aves. $375,000.

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Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—Corporation, c/o M. Goldstein, 3836 White Plains Ave., plans by L. Pisciotta, 1912 Arthur Ave., 6 story, 87 x 133 ft., brick, timber, Bronx Blvd. and 219th St. $250,000.

N. Y., New York—APARTMENT—Corporation, c/o J. Verber, pres., 238 Kingsbridge Rd., plans by P. Lubroth, 283 Kingsbridge Rd., 6 story, 80 x 100 ft., brick, timber, Monroe Ave. and 173rd St. $200,000.

N. Y., New York—APARTMENT—Four Hundred East 59th Street, Inc., E. Franck, pres., 300 Madison Ave., plans by Van Wart & Wein, 347 Madison Ave., 16 story, 100 x 106 ft., brick, steel, 400 East 59th St. $750,000.

N. Y., New York — APARTMENT — A. Kirschner, 1320 Sheridan Ave., plans by H. Ginsberg, 222 East 42nd St., 6 story, 43 x 67 ft., brick, timber, University Ave. and 167th St. $175,000.

N. Y., New York — APARTMENT — Mansard Realty Corp., E. Kaye, 424 Madison Ave., plans by R. Candela, 578 Madison Ave., 12 story, 100 x 100 ft., brick, steel, 759 Madison Ave. $750,000.

N. Y., New York—APARTMENT—One Hundred Seventy-Six East 82nd Street Corp., L. Jakobson, pres., 261 Bway., plans by Schwartz & Gross, 347 5th Ave., 76 x 122 ft. apartment, 167 East 82nd St. To exceed $600,000.

N. Y., New York—APARTMENT—A. J. Schwarzler, 369 East 167th St., 15 story, 134 x 155 ft., brick, timber, 174th St. from Grand Concourse to Walton Ave. $500,000. Private plans.

N. Y., New York—APARTMENT—Tilevin Holding Cor.; H. F. Letovin, pres., 67 West 175th St., plans by Lilien & Lilien, 1560 Bway., brick, timber, Walton Ave. and 182nd St. $185,000.

N. Y., New York—APARTMENT—Three Hundred Fifty West 17th Street Corp., D. M. Fink, pres., 9 Barrow St., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 52 x 91 ft., brick, timber, 248 West 17th St. $150,000.

N. Y., New York—APARTMENT—Two Hundred Forty East 79th Street Corp., R. B. Fenner, pres., 111 Bway., plans by Goodwin, Thompson & Patterson, 19 West 44th St., 16 story, 60 x 82 ft., brick, steel, 236 East 79th St. $300,000.

N. Y., New York—OFFICE—Bethlehem Eng. Corp., 1560 Bway., 50 story office building, on 200 x 425 ft. side, 5th Ave. and 34th St. $20,000,000.

N. Y., New York—STORE and APARTMENT — A. Imarata, 2702 White Plains Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., brick, timber, Mace St. between Barnes and Wallace Aves. $350,000.

N. Y., New York — TELEPHONE EXCHANGE—New York Telephone Co., 140 West St., converting 5 story warehouse into telephone exchange, 320 Church St. $75,000. Voorhees, Gmelin & Walker, 101 Park Ave., archts.

N. Y., New Rochelle—WAREHOUSE—O'Brien Bros., Depot Pl. and Grand St., sketches by H. T. Child, 280 Madison Ave., New York, 4 story addition. $150,000.

N. Y., Oneonta—BANK—Halsey, McCormick & Helmer, archts., 286 Madison Ave., New York, bids in February, bank, for Wilbur Natl. Bank, c/o E. Crippen, vice pres., Main St. Noted Dec. 6.

N. Y., Port Washington—YACHT CLUB and PIER—Manhasset Yacht Club soon lets contract 3 story club house and pier, Main St. $250,000. T. Engelhardt, 101 West 31st St., New York, archt.

N. Y., Rochester—STORE—Sears, Roebuck & Co., Arthington Ave. and Homan Sts., Chicago, Ill., plans by Nimmons, Carr & Wright, 122 South Michigan Ave., Chicago, Ill., 3 story department stores, 259 Monroe Ave. $400,000.

N. J., Bayonne—APARTMENT—Newark Holding Corp., c/o M. Kraut, archt., 3010 Hudson Blvd., Jersey City, sketches 4 story, basement, brick, steel, plain found., Kelly Parkway. $150,000.

N. J., Bayonne—APARTMENTS—Newa Holding Corp., J. Nosenchuk, 117 Stevens Ave., Jersey City, plans by M. Kraut, 3010 Hudson Blvd., Jersey City, two 4 story, basement, 35 x 92 ft., brick, steel, plain found., Petelle Parkway and 2nd St. $150,000.

N. J., East Orange—APARTMENT—H. Susser, 106 West 53rd St., Bayonne, plans by C. I. Goldberg, 437 Bway., Bayonne, 4 story, basement, 75 x 100 ft., brick, steel, plain found., North Parkway and 4th Ave. $150,000.

N. J., East Orange—STORE and APARTMENT—Baldwin Constr. Co., Central Ave. and Harrison St., plans by Warren & Wa-

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ren, 31 Clinton St., Newark, 2 story, basement, brick, steel, plain found., Holsted St. $175,000.

N. J., Elizabeth—APARTMENTS—Stanley Building Co., c/o J. Anderson, archt., 251 North Broad St., Elizabeth, thirteen 2 story, 28 x 57 ft., brick, plain found., Ogden St. $150,000. Noted Dec. 20.

N. J., Jersey City—APARTMENT—H. Temkin Corp., c/o C. Shilowitz, archt., 26 Journal Sq., sketches 5 story, basement, 100 x 150 ft., brick, steel, plain found., 27-31 Duncan Ave. $300,000.

N. J., Jersey City—APARTMENT—C. Zeike, c/o C. Shilowitz, archt., 26 Journal Sq., Jersey City, sketches 5 story, basement, 50 x 100 ft., brick, steel, plain found., Garrison St. $150,000.

N. J., Newark—APARTMENT—Owner, c/o H. J. and J. V. King, archts., 222 Market St., 4 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—DEPARTMENT STORE—Sears, Roebuck & Co., Roosevelt Blvd., Phila., Pa., plans by Nimmons, Carr & Wright, 333 North Michigan Ave., Chicago, Ill., 3 story, basement, 100 x 200 ft., Elizabeth Ave. and Stanton St. Martin Schwab, 30 North Michigan Ave., Chicago, Ill., engr. Noted Nov. 29.

N. J., Nutley (br. Newark) — APARTMENT—T. Grecco & Sons, 65 Carmer Ave., Belleville, plans by J. V. Thetford, 83 Bermond St., Belleville, 3 story, basement, 100 x 100 ft., brick, steel, plain found., 78-80 Union Ave. $150,000.

N. J., Orange—APARTMENT—J. Zingalli, Glen Ridge Ave., Montclair, rejected bids general contract 4 story, basement, 90 x 132 ft., brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Nov. 1.

N. J., Palisades Park—APARTMENT—J. Cioffe, c/o J. Lugosch, archt., 714 Bergenline Ave., Union City, 4 story, basement, brick, steel, plain found., Highland Ave. and South Central Blvd. $150,000. Noted Dec. 20.

N. J., Passaic—APARTMENT—Steiner & Kroll, 2-6 Lexington Ave., plans by Preiskel & Skvarla, 2-6 Lexington Ave., 3 story, basement, 90 x 100 ft., brick, steel, plain found., 218-24 Lexington Ave. $175,000. Noted Dec. 20.

N. J., Paterson—APARTMENT—A. J. Scrocco, archt., 60 Park Pl., Newark, rejected bids 9 story, 50 x 142 ft., brick, steel, plain found., 266 Bway., for A. L. Hoffspielgel, 282 Bway. Est. $450,000. Noted Dec. 13.

N. J., Woodcliff (mail Weehawken) — APARTMENT—B. and P. Battifarano, 894 Park Ave., 5 story, basement, brick, steel, plain found., 29th St. and Hudson Blvd. $150,000

Pa., Frankford (sta. Phila.)—APARTMENT—Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., Phila., 4 story, basement, 80 x 140 ft., brick, steel, plain found.

Pa., Graterford — PENITENTIARY — State Bd. Trustees, plans by Zimmerman, Saxe & Zimmerman, 212 East Superior St., Chicago, Ill., 3 story penitentiary. To exceed $150,000. Day & Zimmerman, 112 North Broad St., Phila., engrs. Noted Oct. 20, 1927.

Pa., Narberth — APARTMENT — Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., Phila., 4 story, basement, 90 x 100 ft., brick, steel, plain found.

Pa., Phila.—APARTMENT—Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., 12 story, basement, brick, steel, plain found., Cheltenham Twp.

Pa., Reading—Reading Y.M.C.A., 633 Washington St., Reading, or National Y.M.C.A., 347 Madison Ave., New York, 4 story building, 633 Washington St. $500,000. Engineer and architect not selected.

Pa., Upper Darby — APARTMENT — Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., Phila., 8 story, basement, 70 x 120 ft., brick, steel, plain found.

Pa., Upper Darby—MUNICIPAL—Comrs. Upper Darby Twp., H. Wolfendon, chn., Cardington, plans by J. B. Thompson, 1321 Arch St., Phila., 4 story, basement, 56 x 128 ft., and 50 x 75 ft., rein.-con., brick addition, plain found. $400,000.

Pa., York — HOSPITAL and NURSES HOME—York General Hospital, 905 South George St., soon lets contract hospital and nurses home, South George St. and Rathon Rd. $1,500,000. Ballinger Co., 105 South 12th St., Phila., archts. Noted Aug. 16.

Md., Baltimore—APARTMENT—Greenway Apartment, Calvert Bldg., plans by F. A. Fletcher, 13 West Franklin St., 4 story, irregular shaped, brick, steel, Park Heights and Shelbourne Ave.

Md., Baltimore—MASONIC TEMPLE—Scottish Rite Masons, W. B. Price, in charge, Maryland Trust Bldg., bids in February masonic temple, Charles and 39th Sts. $1,000,000. C. H. Osborne, 222 West Franklin St., engr. C. L. Reeder, 916 Charles St., mechanical engr. C. N. Friz, Lexington Bldg., archt., J. R. Pape, 542 5th Ave., New York, consult. archt.

D. C., Wash.—OFFICE—Pan American Union, L. S. Towe, dir. genl., 17th and B Sts. N. W., sketches by A. W. Kelsey & P. P. Gret, Otis Bldg., 112 South 16th St., Phila., Pa., office building, Virginia Ave. N. W., C and 18th Sts.

Va., Petersburg—APARTMENT—J. Cuthbert & Associates, plans by C. K. Bryant & O. Asbury, Sauer Bldg., Richmond, 8 story, apartment, Fillmore and Sycamore Sts. $250,000.

Ala., Tuscaloosa—HOTEL—A. Bennett, Birmingham, and J. H. Fitts, Tuscaloosa, et al., organizing stock company to build 8 story hotel. $350,000.

Miss., Hattiesburg—THEATRE—Sanger Amusement Co., New Orleans, La., plans by E. Weil, Inc., Whitney Bldg., New Orleans, La., rein.-con., brick, steel, concrete found., Front and Forest Sts. $150,000.

Ky., Louisville—STORE—Realty Enterprises, M. E. Taylor Bldg., plans by Joseph & Joseph, engrs. and archts., Francis Bldg., and W. C. Wagoner, associate, 2 story, basement, 76 x 204 ft., rein.-con., brick, steel, 544 South 4th St. $250,000.

Ky., Louisville—STORE—Sears-Roebuck & Co., Homan and Arthington Sts., Chicago, Ill., 3 or 4 story, basement, 200 x 250 ft., rein.-con., brick, steel, 8th St. and Bway., also car parking space in rear. $1,000,000.

O., Cleveland—BANK, STORE and OFFICE—Pearl Street Savings & Loan Co., A. F. Humel, pres., West 25th St. and Clark Ave., plans by Walker & Weeks, 2341 Carnegie Ave., 4 story, basement, 95 x 185 ft., limestone, granite, West 25th St. and Clark Ave. $750,000.

O., Youngstown—BANK and OFFICE—Central Savings & Loan Co., T. B. Van Alstine, pres., West Federal St., plans by M. W. Scheibel, Realty Bldg., and R. M. Johnson, consult. archt., 5716 Euclid Ave., Cleveland, 17 story, basement, 50 x 100 ft., brick, steel, concrete. $400,000. Noted Oct. 11.

Ind., Indianapolis—HOSPITAL—Amer. Legion of Indiana, 777 North Meridian St., hospital. $3,000,000. Engineer and architect not selected.

Ind., Indianapolis — HOSPITAL — Bd. Health plans by Vonnegut Bohn-Mueller, 610 Indiana Trust Bldg., 3 rein.-con. brick buildings, 960 Loche St. $700,000.

Ind., Indianapolis—STORE—Sears-Roebuck Co., R. E. Wood, pres., Arthington and Homan Sts., Chicago, Ill., sketches 3 story, basement, brick, steel, Alabama, Vermont and Massachusetts Aves. $250,000. Engineer and architect not selected.

Ind., South Bend—APARTMENT—Mar-Main-Arms Co., C. Showberger, 125 West Marion St., sketches brick, steel, Main and Marion Sts. $200,000. Private plans.

Ind., South Bend—STORE—Warner-Carlisle Co., 224 Associates Bldg., 3 story, basement, 70 x 165 ft., rein.-con., brick, 429 South Michigan St. $150,000. Private plans. Sears-Roebuck Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Mich., Detroit — APARTMENTS — J. Blake, 575 Lodge Ave., plans by Building Service Bureau, 326 Bway., Market Bldg., two 3 story, basement, 65 x 78 ft., concrete, brick, steel, stone, plain founds., Hurlbut Ave. $160,000.

Mich., Detroit—OFFICE—W. R. Kales, 1730 Burns Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 35 story, basement, 45 x 120 ft., rein.-con., brick, steel, caisson found., Fort St.

Mich., Lansing—HOME—Ancient Order of Gleaners, 5705 Woodward Ave., Detroit, R. L. Halloway, pres., 3 story, rein.-con., brick, steel, stone, plain found. $150,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT—S. A. Clifford & Co., 111 West Washington St., will not construct apartment building, at 546 Arlington Pl. $425,000. Noted Oct. 18.

Ill., Chicago—BANK—West Town State Bank, 2354 West Madison St., plans by Mundie & Jensen, 39 South La Salle St., 8 story, basement, 57 x 127 ft., rein.-con., brick, stone, incl. safe deposit vaults, Madison St. and Western Ave. $750,000.

Mo., Cassville—HOTEL—T. E. Sayman, 2117 Franklin Ave., St. Louis, soon takes bids 5 story, 116 x 160 ft., rein.-con., brick hotel, Roaring River, near here. $200,000. Heckenlively & Mark, 642 Landers Bldg., Springfield, archts.

Mo., St. Louis—APARTMENT—Owner, c/o G. D. Willmering, archt., 4118 West Florissant Ave., bids in spring 3 story, basement, rein.-con., brick, terra cotta. $200,000.

Buildings—Commercial (Continued)

Tex., San Antonio—BUSINESS—H. O. Skinner, 429 West Mistletoe Dr., and J. W. Kenney, 1200 Main St., plans by Albaugh & Steinbomer, c/o Real Estate Bldg., rein.-con., brick, Alamo Plaza $150,000. Lilly-Drough, Frost Bldg., engrs.

Okla., Bartlesville—HOTEL—F. Marie & C. E. Burlingame, remodeling hotel, incl. new cafeteria. $150,000. Private plans.

Okla., Clinton—HOTEL—C. M. Calmes sketches 3 story, basement, 100 x 150 ft., rein.-con., brick, plain found., 3rd St. $250,000.

Okla., Frederick—HOTEL—Hockinbury System, Inc., c/o H. H. Roberts, archt., 710½ Indiana St., Wichita Falls, Tex., 5 story, part basement, 85 x 140 ft., rein.-con., brick, 50,000 sq.ft. floor space, plain found. $200,000. Noted July 19.

Okla., Norman—HOTEL—W. W. Kraft sketches 4 story, basement, rein.-con., brick, plain found., Main St. $250,000. Engineer and architect not selected.

Okla., Oklahoma City—HOSPITAL—M. E. Stout, Medical Arts Bldg., plans by A. L. Christenberry, 115½ North Harvey St., 3 story, basement, 79 x 86 ft., rein.-con., brick, stone, plain found., 13th and Robinson Sts. $150,000.

Okla., Oklahoma City—APARTMENT—Owner, c/o P. H. Weathers, archt., 6 story, basement, 75 x 140 ft., rein.-con., brick, plain found., 20th St. $200,000.

Okla., Tulsa — OFFICE — W. Phillips, Philtower Bldg., plans by Smith & Senter, archts. and engrs., Philtower Bldg., 12 story, basement, 140 x 150 ft., rein.-con., brick, plain found., 4th and Boston Sts. $1,400,000. Noted Dec. 20.

Okla., Tulsa — STORE — Halliburton-Abbott Co., 421 South Main St., plans by F. Waltens, Wilcox Bldg., 6 story, basement, 50 x 140 ft., rein.-con., brick, plain found., 5th and Boulder Sts. $500,000. Noted Nov. 1.

California — INSTITUTIONAL — State Building Comn., Sacramento, institutional buildings, incl. cottage, Medocino State Hospital, Ukiah, $85,000; Napa State Hospital, Napa, $90,000—Patton State Hospital, Patton, $100,000—Trades building and gymnasium, Pacific Colony, Spadra, $60,000; nurses and attendants quarters, Norwalk State Hospital, Norwalk, $40,000; training school, State Teachers College, San Francisco, $180,000; training school, State Teachers College, San Jose, $100,000; industrial building, Stockton State Hospital, Stockton, $25,000, cottage, Napa State Hospital, $90,000; kitchen, bakery and cold storage building, Patton State Hospital, Patton, $100,000. G. B. McDougal, Sacramento, state archt.

Calif., Alameda—BANK and OFFICE—Central Loan Assn., Central and Parks Sts., plans by W. E. Schirmer, 700 21st St., Oakland, 2 story, basement, 25 x 100 ft., rein.-con., 13th St. near Franklin St. $150,000.

Calif., Beverly Hills — BANK and OFFICE—First Natl. Bank sketches by Koener & Gage, 468 North Camden Dr., steel, rein.-con., bank and office. $500,000.

Calif., Los Angeles—OFFICE—W. W. Bearman, 3333 West 4th St., plans by S. C. Lee, 531 Petroleum Securities Bldg., 13 story, basement, 100 x 170 ft., tower, rein.-con., 8th and Bixel Sts. $500,000.

Calif., San Diego—LODGE—B.P.O.E. rein.-con., Cedar St. $250,000. Quayle Bros., Spreckles Theatre Bldg., archts.

Calif., Sunnyvale—CITY HALL—City plans by A. A. Cantin, 544 Market St., San Francisco, rein.-con. city hall. $150,000.

Calif., Visalia—THEATRE, STORE and OFFICE—West Coast Theatres Co., Film Exch. Bldg., Los Angeles, sketches by Balch & Stanberry, Film Exch. Bldg., Los Angeles, concrete, brick theatre, store and office building. $175,000.

Calif., Willows—THEATRE, OFFICE and STORE—H. Daly, Class "A" Italian type, West Sycamore St. $150,000. Starks & Flanders, Forum Bldg., Sacramento, archts.

Sask., Regina — WAREHOUSE — Avery Power Mchy. Co., concrete warehouse. $150,000.

Ont., Peterboro — HOSPITAL — Nicholls Hospital plans by Stevens & Lee, 62 Charles St. E., Toronto, 3 story, basement, concrete, brick, steel addition. $300,000. Noted July 5.

Ont., Toronto—HOTEL—Kendon Hotel, 2 Lakeshore Blvd., plans by C. R. Avery, 57 Bloor St. W., 6 story, basement, 36 x 130 ft., brick, steel, stone addition, concrete found. $175,000.

Bids Asked

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Pittsfield—HOTEL—Wendell Hotel Co., South St., taking bids 7 story, basement, 45 x 155 ft., brick steel addition, plain found. $200,000. A. H. Lavalle, 496 Bridge St., Springfield, archt. Noted Oct. 11.

Mass., Waltham (Ind. br. Boston) — STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., taking bids 3 story, basement, 50 x 130 ft., brick, plain found., Moody and Spruce Sts. $150,000. Private plans.

N. Y., Buffalo — TERMINAL WAREHOUSE—Cleveland & Buffalo Transit Co., G. A. Bomm, genl. mgr., foot East 95th St., Cleveland, O., taking bids 1 and 2 story, 136 x 432 ft., brick, steel, concrete. $350,000. W. S. Lougee, Marshall Bldg., Cleveland, O., archt.

N. Y., Hempstead—APARTMENT—McManus & Griffiths, archts., 11 East 42nd St., New York, taking bids separate contracts 4 story, Atlantic Ave. and Rensome St., for Chano Constr. Co., L. A. Chancis, pres., 1 West 34th St., New York. $250,000.

N. Y., New Rochelle — OFFICE — See "Contracts Awarded."

N. Y., New York—OFFICE—Two Hundred Seventy Broadway Co., R. E. Dowling, pres., 55 Bway., bids about Jan. 2, foundation and steel for 28 story, brick, steel, Bway., and Chambers St. Est. $2,500,000. E. H. Faile & Co., 441 Lexington Ave., archts. Noted Aug. 30.

N. J., Bayonne—APARTMENTS—See "Contracts Awarded."

N. J., Cliffside Park (mail Cliffside) — APARTMENT—See "Contracts Awarded."

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., East Orange — APARTMENT — Feldman & Pivinick, 70 Custer Ave., Newark, taking bids on separate contracts 6 story, basement, 112 x 155 ft., brick, steel, plain found., Prospect St. $325,000. L. Kasoff, 164 Market St., Newark, archt. Noted Dec. 13.

N. J., Englewood — APARTMENT — See "Contracts Awarded."

N. J., Hackensack—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Newark—APARTMENT—Eldora Apartment, Inc., 43 Hill St., taking bids separate contracts 5 story, basement, 55 x 100 ft., brick, steel, plain found., 62-4 Mt. Pleasant Ave. $150,000.. M. O. Klemmt, 43 Hill St., archt. Noted Dec. 6.

N. J., North Bergen (Ind. br. West New York) — APARTMENT — See "Contracts Awarded."

N. J., Passaic—APARTMENT—See "Contract Awarded."

N. J., Plainfield — STORE — G. and E. Blum, archts., 415 Lexington Ave., New York, taking bids general contract 2 story, basement, 75 x 155 ft., brick, steel, plain found., 119 East Front St., for A. A. Adams Stores, Inc., c/o architects. $150,000.

N. J., Ridgefield Park—APARTMENT—See "Contracts Awarded."

N. J., Roselle Park (br. Elizabeth) — APARTMENT—See "Contracts Awarded."

N. J., Somerville—APARTMENT—See "Contracts Awarded."

N. J., Teaneck (br. Hackensack) — APARTMENT—Acme Eng. Corp., 591 Summit Ave., Jersey City, bids on general contract or sub-contracts about Jan. 15, 4 story, basement, 100 x 110 ft., brick, steel, plain found., Short St. and Linden Ave. $150,000. C. I. Goldberg, 437 Bway., Bayonne, archt. Noted Nov. 29.

N. J., Teaneck (br. Hackensack) — APARTMENT and STORE—Rubro Realty Co., F. Block, 13 Washington Parkway, Bayonne, taking bids on separate contracts 3 story, basement, 50 x 110 ft., brick, steel, plain found., Teaneck Rd. and Amsterdam Ave. $150,000. B. Singer, 778 Hudson Blvd., Bayonne, archt.

Pa., Brentwood (mail Pittsburgh) — APARTMENT—J. Geiger, c/o C. P. Giesler, archt., Ferguson Bldg., Pittsburgh, taking bids 3 story, basement, brick, steel, Brownsville Rd. $150,000.

O., Cincinnati—OFFICE—See "Contracts Awarded."

Ind., Evansville—TELEPHONE—Jan. 20, by Indiana Bell Telephone Co., G. G. Hall, supt., 4 story, basement, 88 x 148 ft., brick, steel, 5th and Vine Sts. $250,000. Vonnegut-Bohn & Mueller, 610 Indiana Trust Bldg., Indianapolis, archts. Noted Dec. 6.

Mich., Monroe—HOSPITAL—Jan. 8, by Mercy Hospital, rein.-con., brick, stone, incl. power house and laundry. $150,000. D. A. Bohlen & Son, 1001 Majestic Bldg., archts.

Ill., Chicago — OFFICE and STORE — Jan. 7, by Holabird & Root, archts., 333 North Michigan Ave., 8 story, basement, 218 x 224 ft., brick, steel, stone, caisson found., Michigan Ave., Grand, Ohio and Rush Sts., for W. N. McChesney, 30 North La Salle St. $2,000,000. Noted Oct. 18.

Ill., Evanston — APARTMENT — F. W. Cauley (owner and archt.), 7325 Clayton St., Chicago, taking bids 8 story, basement, 127 x 200 ft., rein.-con., brick, Davis St. and Hinman Ave. $750,000.

Ill., Oak Park — APARTMENT — See "Contracts Awarded."

Ill., Rockford — APARTMENTS — S. Nemes, 360 North Michigan Ave., Chicago, taking bids two 3 story, English basement, 60 x 165 ft., brick, stone, Main and Whitman Sts. $150,000 each. J. A. Berloga, Rockford, archt.

Ill., Rockford—FURNITURE MART—S. Nemes, 360 North Michigan Ave., Chicago, taking bids 12 story, basement, 99 x 330 ft., rein.-con., brick, State St. $2,000,000. J. Berloga, Rockford, archt.

Mo., Clayton—APARTMENT—See "Contracts Awarded."

Okla., Chickasha—EXCHANGE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., bids about Jan. 9, 2 story, basement, 45 x 55 ft., rein.-con., brick, terra cotta. I. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt. Noted Feb. 9.

Okla., Tulsa—EXCHANGE and OFFICE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., bids about Jan. 2, 4 story, 75 x 140 ft., rein.-con., brick, terra cotta top addition. A. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt. C. W. Mier, c/o owner, engr. Noted Dec. 6.

Calif., Long Beach — HOSPITAL — Dedrick & Bobbe, archts., Heartwell Bldg., taking bids 5 story, 40 x 150 ft., rein.-con. addition, 14th St. and Chestnut Ave., for Seaside Hospital. $150,000. Noted Aug. 30.

Calif., Oakland — APARTMENT — W. Lowe, archt., 354 Hobart St., taking bids 6 story, basement, steel, concrete, Warfield and Glenview Aves., for A. Kroll, c/o architects. $160,000.

Contracts Awarded

Me., Kennebunk—HOTEL—C. P. Baitler, Kennebunk, 3 story, basement, irregular sized brick, plain found., Main St., to R. J. Grant, Mechanic St. Est. $150,000 or more.

Mass., Beverly — APARTMENT — E. M. Cremen, 9 Union Sq., Somerville, 5 story, basement, 55 x 105 ft., brick, plain found., 50 Bway., to E. M. Cremen Co., 9 Union Sq., Somerville. Est. $175,000.

Mass., Brighton (sta. Boston)—APARTMENT—Middlesex Apartments, Inc., M. Green, 333 Washington St., Boston, 5 story, basement, 8,400 sq.ft. per floor, brick, stone, plain found., 247-49 Chestnut Hill Ave., separate contracts. $200,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Mass., Lynn — APARTMENTS — A. H. Stockbridge, 76 Park St., two 3 story, basement, brick, stone, plain founds., Park and Boston Sts., other Park St., Western Ave., separate contracts. $150,000. Noted July 26.

Mass., Malden (br. Boston)—APARTMENT—Carlton Realty Corp., c/o C. F. Springall, archt., 50 Park St., Boston, 4 story, basement, 50 x 115 ft., brick, plain found., Maple St., to F. A. Greenlay, 48 Tremont St., Est. $160,000.

Mass., Roslindale (sta. Boston)—BANK—First National Bank, 67 Milk St., Boston, reconstructing 1 and 2 story, basement, brick, steel, plain found. branch bank Belgrade Ave., J. M. and C. J. Buckley, 183 Essex St., Boston. Est. $150,000.

Mass., Somerville (br. Boston)—WAREHOUSE—Beacon Warehouse Trust Co., A. Geiger, 79 Milk St., Boston, 3 story, 40,000 sq.ft. floor space, brick, steel, plain found., School and Medford Sts., to F. O. White Constr. Co., 100 Everett St., Arlington. Est. $150,000.

Conn., New Haven — APARTMENT — Claremont Corp., 145 Cottage St., 3 story, 70 x 165 ft., brick, steel, Linden St. $150-000. Cwner builds. Private plans.

N. Y., New Rochelle—OFFICE—Forty-Two West 58th Street Corp., H. Schiff, pres., office, North Ave. and Huguenot St., separate contracts. $300,000. Schwartz & Gross, 347 Madison Ave., New York, archts.

N. Y., New York—COURT HOUSE—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Childrens Court House, Grand Blvd., Concourse and McClellan St., to Butler Constr. Co., 121 West 41st St., $171,830. Noted Nov. 1.

N. Y., Richmond Hill (Ind. br. Jamaica) —EXCHANGE—New York Telephone Co., 140 West St., New York, 3 story telephone exchange, Lefferts Ave. and 115th St., to

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Buildings—Commercial (Continued)

White Constr. Co., 95 Madison Ave., New York. Est. $200,000.

N. Y., Swan Lake—HOTEL—E. Paul, general contract 3 story, basement, 36 x 125 ft., brick, steel, stucco, plain found., to Fallsburg Constr. Co., South Fallsburg. Est. $150,000.

N. J., Bayonne—APARTMENTS—Newa Holding Corp., J. Nosenchirk, 117 Stevens Ave., Jersey City, two 4 story, basement, 35 x 90 ft., brick, steel, plain found., Pitelle Parkway and 2nd St., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., Jersey City, archt.

N. J., Cliffside Park (mail Cliffside) — APARTMENT — S. Engel, 237 29th St., North Bergen, 4 story, basement, 100 x 112 ft., brick, steel, plain found., separate contracts. $150,000. L. Vivoli, 411 Palisade Ave., Cliffside, archt. Noted Dec. 20.

N. J., East Orange — APARTMENT — Model Constr. Co., 145 Kensington Ave., Jersey City, 4 story, basement, brick, steel, plain found., 205 Main St., separate contracts. $250,000. Private plans.

N. J., Englewood—APARTMENT—Highwood Gardens, Inc., C. Menzel, pres., 208 St. Nicholas Ave., 3 story, basement, 50 x 155 ft., brick, steel, plain found., Hudson Ave. and Garden St., separate contracts. $150,000. H. E. Paddon, 195 South Maple Ave., Ridgewood, archt.

N. J., Hackensack—APARTMENT—Kaplan & Bernstein, 146 West 29th St., Bayonne, 5 story, basement, 75 x 100 ft., brick, steel, plain found., separate contracts. $175,000. C. I. Goldberg, 437 Bway., Bayonne, archt. Noted Dec. 13.

N. J., Hoboken—CLUB—J. D. Lugosch, archt., 714 Bergenline Ave., Union City, general contract altering and constructing 3 story, basement, 30 x 100 ft., brick, steel addition, plain found., 10th and Washington Sts., to J. Marcone, Inc., 685 Robert St., North Bergen, for B.P.O.E., Washington St. $150,000. Noted Nov. 29.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, 157 Augusta St., 5 story, basement, brick, steel, plain found., separate contracts. $150,000. E. Hausen, 11 Clinton St., Newark, archt. Noted Dec. 13.

N. J., Jersey City — APARTMENT — Gorlin Constr. Co., Tube Concourse Bldg., 7 story, basement, brick, steel, plain found., separate contracts. $150,000. Private plans. Noted Nov. 29.

N. J., Jersey City—APARTMENT—Trustees Development Co., Inc., B. Kaufman, 27 Wegman Parkway, 5 story, basement, 70 x 100 ft., brick, steel, plain found., 620-4 Pavonia Ave., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., archt. Noted Dec. 20.

N. J., Jersey City—APARTMENT—Ultra Holding Co., A. P. Imbowitz, 936 Fulton St., Brooklyn, N. Y., 4 story, basement, 60 x 100 ft., brick, steel, plain found., Corbin and Pavonia Aves., separate contracts. $160,000. C. Shilowitz, 26 Journal Sq., archt. Noted Dec. 20.

N. J., Jersey City—HOSPITAL—Hudson Co., Court House, general contract 8 story, basement, 104 x 180 ft., brick, steel, plain found., to Auf der Heide Contg. Co., 443 16th St., West New York, $835,500; plumbing, to C. H. Reid, 341 Ridge Rd., Lyndhurst, $99,500; heating, to J. H. Cooney, Inc., 210 North 4th St., Harrison, $128,000; electrical work, to Hoffman & Elias, 59 West 51st St., New York, $52,244; elevators, to A. B. See Elevator Co., 52 Vesey St., New York, $51,700. Grand total $1,166,944. Noted Nov. 22.

N. J., North Bergen (Ind. br. West New York) — APARTMENT — Croma Builders, Inc., 12 Journal Sq., 3 story, basement, 75 x 100 ft., brick, steel, plain found., Meyers and Bergenwood Aves., separate contracts. $150,000. H. Adelman, 494 Bway., Bayonne, archt.

N. J., Passaic—APARTMENT—Bush & Walsh, 24 Lexington Ave., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Idaho St. and Brook Ave., separate contracts. $150,000. Preiskel & Skvarla, 2-6 Lexington Ave., archt. Noted Dec. 13.

N. J., Passaic — APARTMENT — F. La Rocca, 39 Lincoln St., 3 story, basement, 85 x 100 ft., brick, steel, plain found., separate contracts. $175,000. H. Gerritsen, 118 Passaic Ave., Garfield, archt. Noted Dec. 20.

N. J., Ridgefield Park—APARTMENT—H. Benowitz, 545 West End Ave., New York, 5 story, basement, brick, steel, plain found., separate contracts. $200,000. S. Gardstein, 44 Court St., Brooklyn, archt. Noted Dec. 20, under "Ridgefield."

N. J., Roselle Park (br. Elizabeth)—APARTMENT—G. Dobb, Sheridan Ave., Roselle, 4 story, basement, brick, steel, plain found., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., archt. Noted Dec. 20.

N. J., Somerville — APARTMENT — G. Zingales, 102 Walnut Ave., Cranford, 3 story, basement, 100 x 100 ft., brick, steel, plain found., Williams St. and North Bridge, separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., Jersey City, archt. Noted Dec. 13.

Pa., Pittsburgh—WAREHOUSE—R. M. Trimble, archt., Ferguson Bldg., general contract 1 story, 100 x 500 ft., brick, steel, concrete, Beaver Ave., to Rust Constr. Co., Amer. Bank Bldg., for Whitaker Paper Co., 101 9th St. Est. $200,000. Noted Nov. 29.

D. C., Wash.—APARTMENT—Fidelity Constr. Co., 1341 Conn. Ave. N. W., general contract apartment, 15th St. and Rhode Island Ave. N. E., to B. J. Mullin, 1628 Nicholson St. N. W. $150,000.

N. C., Raleigh—BANK and OFFICE—Raleigh Banking & Trust Co., 8 story structural steel, limestone, terra cotta top addition, 32,000 sq.ft. floor space, Fayetteville St., to J. W. Hudson, Jr., Raleigh, $300,000. Noted Aug. 16.

O., Cincinnati—OFFICE—Union Gas & Electric Co., 4th and Plum Sts., 15 story, basement, rein.-con., brick, to George A. Fuller Co., 59 M. St. N. E., Wash., D. C. Est. $1,500,000. Contractor taking bids on separate contracts. Noted Oct. 4.

O., Toledo—STORE—H. Holmes, archt., c/o S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 3 story, basement, 60 x 120 ft., rein.-con., brick, steel, stone, plain found., to Kopitke Constr. Co., 321 Wabash St., $130,000 without equipment. Noted Dec. 6.

Ind., Gary—STORE—Little & Stevens, 25 East 6th Ave., general contract 3 story, basement, 75 x 125 ft., rein.-con., brick, 813 Bway., to B. & W. Constr. Co., 720 Cass St., Chicago, Ill. $250,000. Sears-Roebuck Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Ind., South Bend — STORE — Warner & Carlisle Co., 224 Associates Bldg., general contract 3 story, basement, 70 x 165 ft., rein.-con., brick, to J. Nelson, 212 Monroe Bldg. Est. $150,000. Sears, Roebuck Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Ill., Chicago—APARTMENTS—P. Olson, archt., 720 Cass St., masonry contract two 6 story, basement, 98 x 187 ft., rein.-con., brick, plain found., to A. and E. Anderson Co., 228 North La Salle St., plumbing, to Economy Plumbing & Heating Co., 1308 South Crawford Ave., for J. J. Cundy, 6759 Cornell Ave. Est. $585,000. Noted Oct. 18.

Ill., Chicago—APARTMENT—P. Olson, archt., 720 Cass St., masonry contract 5 story, basement, 120 x 125 ft., to Turnquist Constr. Co., 217 East 69th Pl., carpentry, to D. Erickson, for C. E. Anderson, 6448 Clyde Ave. Est. $400,000. Noted Oct. 11.

Ill., Chicago—BANK—Puckey & Jenkins, archts., 400 North Michigan Ave., general contract 2 story, 50 x 125 ft., for West City Trust & Savings Bank, 2350 North Cicero Ave., to J. T. Carp, 2631 Estes Ave.; plumbing, to Noble & Thumn, 1065 Addison St.; heating, to Jorgensen & Webster, 4203 Fullerton Ave.; plastering, to D. J. Evans, 1821 Nebraska Ave.; painting, to C. H. Bahrenburg, 3431 Fullerton Ave.; ornamental iron, to W. J. Korber Co., 261 North California Ave. Est. $200,000. Noted Nov. 22.

Ill., Chicago—FIELD HOUSE—W. W. Ahlschlager, archt., 65 East Huron St., general contract field house, incl. natatorium, gymnasium, auditorium, also playground, Cortland, McVicker, Merrimac and Bloomingdale Aves., to Avery Brundage Co., 110 South Dearborn St., for Northwest Park Dist., 2732 North Avers Ave. Est. $1,500,000.

Ill., Oak Park — APARTMENT — J. E. Decker, 508 Fair Oaks Ave., 10 story, basement, rein.-con., brick, terra cotta, Wisconsin Ave., separate contracts under supervision Leichenko & Esser, archts., 38 South Dearborn St., Chicago. Est. $1,000,000. Noted Nov. 29.

Ill., Rockford — HOSPITAL — West Side Hospital, 1401 East State St. and Catholic Diocese of Rockford, 5 story, basement, rein.-con., brick, stone addition, 1401 East State St., to Tolmie Bros., 919 Taylor Ave. Est. $250,000.

Wis., Milwaukee—OFFICE and GARAGE—M. Tullgren Sons Co., archts., 9 Waverly Pl., concrete, masonry, carpentry contracts for 6½ story, basement, 100 x 120 ft., brick, steel, concrete, terra cotta, East Water St., to S. M. Siesel Co., 160 Ogden Ave.; plumbing, to A. J. Moag, 131 Mason St.; terra cotta, to American Terra Cotta Co., Chicago, Ill., for First Wisconsin Natl. Bank Co. Est. $400,000. Noted Aug. 9.

Ia., Ft. Madison—EXCHANGE and OFFICE — Northwestern Bell Telephone Co., c/o Local Manager, 2 story, basement, rein.-con., brick, steel, stone, incl. kitchen, dining room, cloak room, rest room, Avenue G, to John Soller Constr. Co., Masonic Temple Bldg., Davenport. Est. $150,000.

Mo., Clayton—APARTMENT—Blue Ridge Building & Investment Co., J. S. Cassy, pres., 4417 Clayton Ave., St. Louis, 3 story, basement, 81 x 145 ft., rein.-con., brick, cut stone, terra cotta, Buckingham Dr. west of Glen Ridge Ave., sub-contract basis. $200,000. Owner taking sub-bids. Pleitch & Price, 1592 Arcade Bldg., St. Louis, archts.

Mo., St. Louis—APARTMENT—Owner, c/o L. Abrams and C. Schloeman, archts., 1123 Chemical Bldg., 7 story, basement, 73 x 158 ft., rein.-con., brick, terra cotta apartment, also 50-car garage in rear of lot, 4300 block on West Pine Blvd., to Sol Abrahams & Sons, 1123 Chemical Bldg. Est. $425,000.

Mo., St. Louis—HOSPITAL—T. P. Barnett Co., archts., 1556 Arcade Bldg., 4 and 7 story, basement, rein.-con., brick, stone, Oakland Ave. west of Clayton Ave., to Dickie Constr. Co., 317 North 11th St., for Deaconess Home & Hospital. F. P. Jens, supt. 4137 West Belle Pl. Est. $800,000. Noted Oct. 18.

Mo., St. Louis—HOSPITAL—St. Vincent De Paul Sisters of Charity, c/o St. Louis Mullanphy Hospital, 3225 Montgomery St., general contract 8 story, basement, rein.-con., brick, steel, stone, terra cotta main building, also nurses home, chapel, service building, boiler house, on 320 x 575 ft. site, to J. W. Lynch, 844 Rush St., Chicago, Ill. Est. $1,750,000. Noted Dec. 20.

Mo., St. Louis—STORE and LOFT—Local syndicate, c/o S. B. Goldman, archt., 3820 Washington Ave., 10 story, basement, 81 x 140 ft., rein.-con., brick, terra cotta, Morgan and 16th Sts., to Arsenal Watson Co., 4540 Gravois Ave. Est. $750,000.

Tex., Beaumont — Committee Y.M.C.A., c/o T. N. Whitehurst, chn. building comm., general contract 3 and 4 story, 100 x 128 ft., brick, steel, stone, rein.-con., to Christy-Dolph Constr. Co., Wall and Main Sts., $187,186. Noted Nov. 1.

Ariz., Tucson—HOTEL—A. and H. Steinfeld, 11 story, stucco, cast stone, marble, North Stone Ave. and East Pennington St., to Orndorff Constr. Co., 247 North Western Ave., Los Angeles, Calif., $700,000.

Wash., Seattle—STORE—United Pacific Corp., Ry. Exch. Bldg., Shopping Tower, 12 story, basement, 113 x 120 ft., 3rd Ave. and Pine St., to Henrikson-Alstrom, Securities Bldg., $500,000. Noted Oct. 11.

Calif., Glendale — APARTMENT — Marshall Constr. Co., 726 South Spring St., 4 story, 56 x 160 ft., brick, tile, Burchett and Central Aves. Owner builds. $150,000.

Calif., Hollywood — CLUB HOUSE — Hollywood Post, American Legion, 3 story, basement, 80 x 175 ft., rein.-con., Highland Ave., to Scofield-Twaits Co., Pacific Finance Bldg., Los Angeles, $175,000. Noted Nov. 1.

Calif., Los Angeles—APARTMENT—H. Hersh & Assoc., c/o Cramer & Wise, archts., 567 I. W. Hellman Bldg., 6 story, basement, 80 x 130 ft., steel, tile, rein.-con., to H. Feldman, 648 North Kilkea Dr., $300,000. Noted Sept. 6.

Calif., Los Angeles—SALES and SERVICE—D. M. Longyear, Inc., (Packard Agents), 7026 Hollywood Blvd., 2 story (ultimately 3 story), 100 x 200 ft., rein.-con., Hollywood Blvd., to P. J. Walker Co., W. M. Garland Bldg., $150,000.

Calif., Los Angeles—STORE and OFFICE—Sun Realty Co., 727 West 7th St., 12 story, basement, 57 x 160 ft., rein.-con., to Baruch Corp., Lincoln Bldg., $750,000. Noted Nov. 8.

Calif., Oakland—APARTMENT—T. Gier, 510 10th St., two 3 story, timber and stucco apartments East 16th St., to A. H. Nunemacher, 2417 Gabrillo St., San Francisco $75,000 each.

Calif., San Bernardino — OFFICE and APARTMENT — E. C. Dingwell, 1114 Quimby Bldg., Los Angeles, 3 story, basement, 110 x 120 ft., tile, rein.-con., to Smith Bros., 1114 Quimby Bldg., Los Angeles, $200,000. Noted Nov. 1.

Buildings—Educational, Religious

Proposed Work

Mass., Malden (br. Boston)—CHURCH—St. Josephs Roman Catholic Church, P. H. Walsh, pastor, Salem St., plans by C. P. Norton, 148 State St., Boston, and soon takes bids 1 story, basement, 60 x 150 ft., brick, limestone, granite, plain found., Salem St. $150,000.

Mass., Needham (Ind. br. Boston) — SCHOOLS—Town, G. H. Campbell, supt. schools, and E. L. Morse, chn. building com., elementary school, Pond's Corner,

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Buildings—Educational, Religious (Cont.)

Great Plain Ave.; Junior High School, at Richwagen Hill. $200,000. Engineer and architect not selected.

Mass., Northampton — SCHOOLS — City, Superintendent Schools, 290 Main St., sketches by Putnam & Stuart, 78 Main St., two 1 and 2 story, basement, brick, stone, plain founds., 1 on Pine St., other on Riverside Dr. To exceed $150,000. Noted Nov. 29.

N. Y., Buffalo—HOME—Ingleside Home, 70 Harvard Pl. plans by F. Backus, 360 Delaware Ave. home for Women and children, Harvard Pl. $250,000.

N. Y., East Williston—SCHOOL—Bd. Educ., bids early in January, 2 story school. $225,000. W. H. Spaulding, 163-18 Jamaica Ave., Jamaica, archt.

N. Y., Hicksville—SCHOOL—Bd. Educ., bids early in spring 3 story school, Jerusalem Ave. $180,000. Tooker & Marsh, 101 Park Ave., New York, archts.

N. Y., Long Beach—TEMPLE—Temple Israel, c/o M. Goldberg, plans by L. H. Friedland, 562 5th Ave., New York, 2 story temple. To exceed $150,000.

N. Y., North Baldwin (Baldwin P. O.) — SCHOOL—Bd. Educ., W. J. Steele, pres., Baldwin, soon takes bids 2 story school, Woodside and Centennial Aves. $200,000. H. T. Blanchard, 161 Park Ave., New York, archt.

N. Y., St. George—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by C. Martin, Flatbush Ave. extension and Concord St., Brooklyn, 2 story, 45 x 217 ft., brick, Old Town Rd. $300,000.

N. Y., St. George—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by C. Martin, Concord St. and Flatbush Ave. extension, Brooklyn, 3 story, brick, Post Ave. and Greenleaf St. $470,000.

N. J., Bayonne—SCHOOL—Bd. Educ., City Hall, plans by D. G. Anderson, 718 Bway., 3 story, basement, rein.-con., brick, steel, plain found., Avenue B between 56th and 57th Sts. $500,000. Noted Dec. 13.

N. J., East Orange—CHURCH and FELLOWSHIP HALL—First Baptist Church, F. C. Stifler, pastor, 15 Winthrop Terrace, East Orange, sketches 2 story, basement, brick, steel, plain found. $150,000.

N. J., Jersey City—SCHOOL—Our Lady of Czestohowa, I. Szudrowicz, 120 Sussex St., 4 story, basement, brick, steel, rein.-con., plain found., York and Henderson Sts. $200,000. Private plans.

N. J., Little Falls—HIGH SCHOOL—Bd. Educ., School 1, 2 story, basement, brick, steel, plain found., East Main St. $247,800.

N. J., Passaic—CHURCH—First Presbyterian Church, J. Murphy, Jr. (in charge building comn.), 131 Lafayette Ave., plans by H. L. Walker, 144 East 54th St., New York, 2 story, basement, brick, steel, plain found. $350,000.

N. J., Raritan — SCHOOL — Bd. Educ., town Hall, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel addition, plain found., Bonhampton Sect. $150,000.

N. J., Trenton — HIGH SCHOOL — Bd. Educ., 16 Stockton St., bids in spring high school, Hamilton and Greenwood Aves. $2,500,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Nov. 1.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, plans 2 story, brick, steel, school. $275,000. A. E. Dore, 173 Main St., Hackensack, archt.

Pa., Danville — DORMITORY — Catholic Slovak Girl High School plans by B. E. Starr, 9 North 2nd St., Harrisburg, 7 story, basement, 35 x 400 ft., rein.-con., brick, steel, plain found. $350,000.

Pa., Meadville—HOSPITAL and NURSES HOME—City Hospital, W. H. Lunk, secy., 945 Grove St., 3 story hospital and nurses home, Liberty St. A. Weishart & Son, 177 Silver St., Sharon. Est. $150,000.

Pa., Warren—SCHOOL—Bd. Educ., plans by Lawrie & Green, 3rd and Foster Sts., Harrisburg, Beaty Grade School, 2 story, basement, brick, steel, 3rd Ave. $150,000.

D. C., Wash.—SEMINARY—Franciscan Seminary, 135 West 31st St., New York, plans by C. W. Oakley, 117 West Tupper St., Buffalo, seminary, 18th and Shepherd Sts. N. E. $750,000.

Ky., Louisville—CHURCH—Fourth Avenue Presbyterian Church, 4th and Kentucky Sts., plans by E. T. Hutchings, archt., Heyburn Bldg., and G. M. Grimes & E. Gregg, Heyburn Bldg., assoc. archts., 9,000 seating capacity, tower shaped, brick, steel, cut stone, 4th and Kentucky Sts. $200,000.

O., Youngstown—SCHOOL—Bd. Educ. soon takes bids 2 story, basement, brick, incl. auditorium, Caldwell Settlement. $175,000.

Ill., Pekin—SCHOOLS—Bd. Educ., H. Altis, pres., sketches by Royer, Danely & Smith, Flat Iron Bldg., Urbana, rein.-con., brick, stone additions to Senior High School, $150,000; and to Garfield Grade School $35,000; Junior High School $335,000.

Tex., Houston — SCHOOL — Houston School Bd. plans by H. D. Payne, Kirby Bldg., 3 story, 103 x 208 ft. school, Gregg St. $250,000.

Okla., Blackwell—HIGH SCHOOL—Bd. Educ., plans by Smith & Senter, Ponca City, 3 story, basement, rein.-con., brick, Dewey St. $500,000. Noted Feb. 9.

Calif., Berkeley—AGRICULTURAL ECONOMICS—Regents of University of California, soon takes bids grading, excavating for Giannini Hall, 2.5 story, rein.-con. $500,000. W. C. Hays, Crocker 1st Natl. Bank Bldg., San Francisco, archt.

Calif., Beverly Hills—SCHOOL—Church of Good Shepherd, c/o M. L. Barker, archt., 1154 Northwestern Ave., 2 story, brick, rein.-con., Charlesville Blvd. $175,000.

Calif., Los Angeles—CATHEDRAL—Los Angeles Consistory Scottish Rite Masons, 929 South Hope St., sketches by Austin & Ashley, Chamber Commerce Bldg., cathedral, incl. auditorium, banquet room, library, club room, offices, Commonwealth Ave. and 4th St. $1,000,000.

Calif., Los Angeles — CHURCH — Hollywood Congregational Church, J. H. Lash, pastor, 7065 Hollywood Blvd., sketches by Allison & Allison, 1005 Hibernian Bldg., church Sunset Blvd. and Detroit St. $150,000-$170,000.

Bids Asked

Conn., Waterbury — SYNAGOGUE — Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, N. J., revised plans and takes bids about Jan. 15, general contract 1 story, basement, brick, steel, stone, plain found., for Temple Bethel. $200,000. Noted Nov. 8.

N. Y., Brooklyn—SCHOOL—Jan. 3, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 226, 23rd Ave. from 60th and 61st Sts.; P.S. 228 (David A. Boody Junior High School), Avenue S from West 4th and 5th Sts., for Bd. Educ., 50 Park Ave., New York. Noted Nov. 1 and Dec. 23.

N. Y., Jamaica—SCHOOL—Jan. 3, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P.S. 142 (Edgar G. Shimer Junior High School), 114th Ave. from 142nd to 143rd Sts., South Jamaica, for Bd. Educ., 50 Park Ave., New York. Noted June 28.

N. Y., New York — SEMINARY — See "Contracts Awarded."

Va., Richmond—LIBRARY—Jan. 2, by City, library, 1st and Franklin Sts. $350,000. Baskerville & Lambert, Travelers Bldg., archts.

Ill., Chicago—SCHOOLS—Jan. 10, by Bd. Educ., E. Withall, bus.mgr., Frederick Von Steuben Junior High School, Kimball, Carmen and Christiana Aves.; New Junior High School, Foster and Damen Sts., $1,500,000. P. Gerhardt, 650 South Clark St., archt.

Mo., Springfield—CHURCH—First Presbyterian Church, O. L. Black, pastor, 615 South Fremont Ave., taking bids stone, steel, Cherry and Dollison Sts. $150,000. A. A. Honeywell, 413 Penway Bldg., Indianapolis, Ind., archt. Noted Nov. 22.

Tex., San Antonio — LIBRARY — City (Carnegie Library), c/o C. M. Chambers, mayor, bids about Jan. 31, 2 and 3 story, part basement, rein.-con., steel, limestone, plain found., Market St. $250,000-$300,000. H. S. Green, c/o Alamo Natl. Bank Bldg., archt. Noted Dec. 13.

Contracts Awarded

Mass., Westfield—HIGH SCHOOL—City, High School Building Comn., 3 story, basement, 170 x 215 ft., brick, stone, plain found., to M. J. Walsh & Sons Co., 1412 Dwight St., Holyoke. $385,800. Noted Dec. 6.

N. Y., Patchogue — CHURCH — First Church of Christ Scientist, c/o F. M. Koerner, church, to Roberts & Co., 949 Bway., New York. Est. $150,000. Noted Oct. 25.

N. Y., New York—SEMINARY—Jewish Theological Seminary of America, 543 West 122nd St., 6 story seminary, 3080 Bway., to G. Richard Davis, 12 East 41st St. Est. $1,200,000. Contractor taking bids on separate contracts. Noted Aug. 30.

N. J., Camden—HIGH SCHOOL—Bd. Educ., City Hall, general contract Woodrow Wilson Junior High School, 2 story, basement, 205 x 268 ft., to F. V. Warren Co., 1913 Arch St., Phila., Pa., $485,343; heating and ventilating, to H. Knecht, Collingswood, $66,838.

N. J., Elizabeth—SCHOOL—Bd. Educ., 417 South Broad St., general contract 3 story, basement, rein.-con., brick, steel, plain found., Grove St., to D. O. Evans, 1443 North Broad St., Hillside, $96,478; heating, to R. S. Smith, 40 Caldwell Pl., $24,477. Noted Dec. 13.

N. J., Montclair — DEMONSTRATION SCHOOL—State Bd. Educ., State House, Trenton, general contract 2 story, basement, 85 x 163 ft., brick, steel, plain found., to D. J. Cronin, 713 South Orange Ave., Newark, est. $240,000; plumbing, to J. A. Faber Plumbing Co., 237 Diamond Bldg., Hawthorne; heating, to Murland Eng. Co., 233 West 42nd St., New York. Noted Nov. 15.

N. J., Plainfield—COMMUNITY CENTER—Block & Hesse, archts., 18 East 41st St., New York, general contract 2 and 3 story, 120 x 125 ft., brick, steel, plain found., Central Ave. and 7th St., to A. Milne, 15 Watchung Ave., for Jewish Community Center, 48 East Front St., Plainfield. Est. $150,000. Noted Sept. 6.

Pa., Meadville — NURSES HOME and HOSPITAL — City Hospital, general contract altering and constructing 3 story, brick, steel addition, to A. Wishart & Son, Sharon. Est. $150,000.

Pa., Orwigsburg — ORPHANAGE — P. Monaghan, archt., 1520 Locust St., Phila., 3 story, basement, 74 x 237 ft., and 48 x 145 ft., rein.-con., brick, steel, plain found., for St. Francis Orphanage, 8th and Race Sts., to Gordon Nagle, Pottsville, $356,841. Noted Nov. 29.

D. C., Wash.—HIGH SCHOOL—District Comrs., District Bldg., remodeling and constructing addition to Francis Junior High School, to Northeastern Constr. Co., Baltimore, Md., $144,700. Noted Dec. 6.

W. Va., Logan—SCHOOLS—Bd. Educ., 4 schools, to C. G. Johnson Constr. Co., Welch, $173,000.

Miss., Columbus — COLLEGE — Mississippi State College for Women, c/o W. C. Trotter, secy., Jackson, 5 buildings, to L. W. Hancock, Meridian, for State Building Comn., Jackson. $373,889. Noted Dec. 6.

Mo., Clayton—SCHOOL—Mary Institute, Lake and Waterman Aves., St. Louis, general contract (1st unit), 2 story, basement, rein.-con., brick, stone, to Gamble Constr. Co., 620 Chestnut St., St. Louis. Est. $500,000. Noted Dec. 20.

Mo., St. Louis—CHURCH—St. Michael and All Angeles Episcopal Church, C. Block, pastor, 6300 Ellenwood Ave., 2 story, basement, 46 x 100 ft., rein.-con., red stone, brick, to Gamble Constr. Co., 620 Chestnut St. Noted Oct. 4.

Federal Government Work

Proposed Work

D. C., Wash. — LIBRARY — Government plans by Pierson & Wilson, Hill Bldg., 17th and Eye Sts. N. W., addition to Congressional Library. $387,000.

Texas — DREDGING — U. S. Engineer Office, Galveston, 5,300,000 cu.yd. Sect. 1 and 2,500 cu.yd. Sect. 2 Houston Ship Channel between Morgan Point and Polivau Rd.

Tex., Galveston—FLYING FIELD—U. S. Engineer Office improvements at flying field, extending machine shops.

Tex., San Antonio—ROADS—Constructing Quartermaster bituminous on concrete paving 2 mi. road in Fort Sam Houston Army reservation, $80,000; grading, paving 3 mi. through flying field, near here, $100,000.

California—DREDGING—U. S. Engineer Office, Customhouse, San Francisco, 1,700,000 cu.yd. San Joaquin River and Stockton Channel, San Joaquin Co.

Bids Asked

N. Y., Brooklyn—CONTROL BOX, etc.—Jan. 10, by Signal Supply Officer, New York General Depot, 58th St. and 1st Ave., control and jack boxes, cord, resistance, tubing, etc.

N. Y., Brooklyn — CONTROL BOXES, etc. — Jan. 3, by Signal Supply Office, Signal Sect., New York General Office, 58th St. and 1st Ave., radio control boxes, insulators, relays, staples, cable, etc.

N. Y., Brooklyn—PANELS, etc.—Jan. 8, by Signal Supply Officer, Signal Sect., New York General Depot, 58th St. and 1st Ave., panels, wire, coil, condensers, plug, transformer, motor alternator, etc.

N. Y., Brooklyn—RADIO SETS—Jan. 15, by Signal Supply Officer, Signal Sect. 58th St. and 1st Ave., high frequency radio transmitting and receiving sets.

Pa., Fort Mifflin (mail Phila.) — REMODELING — Spec. 5722 — Jan. 9, by

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Federal Government Work (Continued)

Bureau Yards & Docks, Navy Dpt., Wash., D. C., buildings, Naval Ammunition Dpt.

D. C., Wash.—ELEVATORS—Jan. 8, by Treas. Dpt., at office Supervising Archt., Wash., D. C., removing, replacing elevators in E. S. Treas. Building; adv. E. N.-R. Dec. 20.

O., Dayton — MAIL PLATFORM and LIFT—Jan. 11, by Treas. Dpt., at office Supervising Archt., Wash., D. C., new mailing platform and lift at U. S. Post Office; adv. E. N.-R. Dec. 20.

O., Wilmington — POST OFFICE — Jan. 17, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office; adv. E. N.-R. Dec. 20.

Bids Received

Tenn., Paris—EXTENSION—Treas. Dpt., at office Supervising Archt., Wash., D. C., Dec. 17, extending, remodeling U. S. Engineer Office, from J. P. Foley & Dons, U. S. Post Office, New Brunswick, N. J., $32,561. Noted Nov. 15.

Contracts Awarded

Tenn., Memphis — LEVEE — U. S. Engineer Office, levee work in Piece 14, Curia Drainage, and Piece 16, Fourche Island Levee Dists., to O. M. New, Conway, Ark., $6,980 and $14,340 respectively.

Calif., San Diego — HOSPITAL — Spec. 5754—Bureau Yards & Docks, Navy Dpt., Wash., D. C., altering and constructing additions to X-Ray Dpt., Hospital, Navy Operating Base, to Wurster Constr. Co., 221 Spreckles Theatre Bldg., $10,375 (90 days).

Unclassified

Proposed Work

WHARF REPAIRS—**Nantucket, Mass.**—New England Steamship Co., A. F. Hass, Long Wharf, Newport, R. I., wharf repairs, incl. new piling, waterfront. $25,000. Private plans.

GAS HOLDER—**New York, N. Y.**—Consolidated Gas Co., 130 East 15th St., 1 story, gas holder, 276 ft. high, 192 ft. diam., 601 West 44th St. $35,000. Private plans.

YACHT PIER—**Port Washington, N. Y.**—See "Buildings-Commercial."

STADIUM—**Paterson, N. J.**—Bd. Recreation, City Hall, preliminary plans concrete stadium, Redwood Ave. $90,000. H. J. Harder, city engr.

STADIUM—**Rutherford, N. J.**—Bd. Boro Council, Boro Hall, concrete grandstand, improving athletic field. $30,000. W. G. Ihnen, 17 Ames Ave., boro engr.

DOCK — **Woodbridge, N. J.** — Bd. Town Council, Town Hall, timber, concrete dock, Woodbridge Creek. $25,000. M. Merrill, town engr.

ZOO—**St. Louis, Mo.**—Zoological Bd. Control, G. E. Vierheller, secy. Forest Park, bids early in 1929, series animal reservations protected by moats, also concrete, limestone inclosures for smaller animals, in zoo grounds of Forest Park. $125,000. J. E. Wallace, c/o owner, archt.

LAND DEVELOPMENT — **Schertz, Tex.** W. Schertz, C. W. Koch and H. Tulemeyer, Schertz (owners), and L. E. Fite & Co., 317 West Commerce St., San Antonio (developers), developing sub-division near government's new flying field, incl. water and gas distributing systems, lighting facilities. Private plans.

GRAND STAND—**Sedalia, Mo.**—Missouri State Fair Assn., W. D. Smith, secy., preliminary plans addition to grand stand, $30,000; rein.-con., brick sheet building, $50,000; addition to coliseum, $50,000.

AMUSEMENT PARK — **Tulsa, Okla.** — Oklahoma Amusement Co., B. B. Harris, pres., 318½ North Greenwood St., preliminary plans amusement park, incl. gymnasium, bowling alleys, Sheridan Rd., near here. $300,000. Private plans.

MEMORIAL HALLS — **California** — Bd. Supervs. Tehama Co. (Red Bluff) will receive plans and specifications until Jan. 2, 2 memorial halls, one in Red Blu, other at Corning. $50,000.

Bids Asked

CULVERTS—**Cleveland, O.**—Dec. 29, by Comrs. Cuyahoga Co., culverts in Lander Rd. $35,040. F. Lander, Court House, engr.

STEAM HEATING SYSTEM — **Evansville, Ind.**—Jan. 10, by Bd. Trustees Waterworks Dpt., steam heating system for brick garage and warehouse (now under construction), Ingle, Division and Water Sts.

STREET LIGHTING SWITCHBOARD, etc.—**Kendallville, Ind.**—Jan. 2, by Common Council, street lighting switchboard, constant current street lighting transformer of grills or screens, complete station wiring. W. C. Auman, mayor.

CULVERTS — **Concordia, Kan.** — See "Streets and Roads."

Culverts — **Wellington, Kan.** — See "Streets and Roads."

WHARF—**Irvines Landing, B. C.**—Jan. 7, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., 70 x 120 ft. wharf, 20 x 30 ft. shed, 16 x 148 ft. movable ship way, fill. $30,000.

Bids Received

REFRIGERATION EQUIPMENT — **Binghamton, N. Y.**—Commissioner Dpt. Mental Hygiene, Albany, Dec. 19, refrigeration equipment for Binghamton State Hospital, from General Refrigeration, Inc., 21 Main St., Proposal 1 $6,108 Proposal 2, $5,263 Proposal 3, $3,929. Noted Nov. 22.

REFRIGERATION EQUIPMENT—**Buffalo, N. Y.**—Commissioner Dpt. Mental Hygiene, Albany, refrigeration equipment, Buffalo State Hospital, from Mollenberg-Betz Machine Co., Inc., 110 Washington St., Proposal 1 $17,536; Proposal 2, $13,462. Noted Nov. 22.

SANITARY WORK—**Central Islip, N. Y.**—Commissioner Dpt. Mental Hygiene, Albany, Dec. 19, sanitary work, Vicks Home, Central Islip Hospital, from J. D. Duffy, Inc., 342 Madison Ave., New York, $7,882. Noted Nov. 22.

UNDERGROUND FIRE ALARM SYSTEM — **Long Island City, N. Y.** — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., portion underground fire alarm system, Sect. 1, from W. F. Kenny Co., 44 East 23rd St., New York, $9,461; Sect. 2, from James Sugden Co., 67 West 44th St., New York, $35,395. Noted Dec. 13.

SUBWAY — **New York, N. Y.** — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Dec. 21, Sect. 5, Route 106, Rapid Transit R.R., from Lyons & Slattery, 101 Park Ave., New York, (unofficial) $3,835,000. Noted Dec. 13.

TRACKS—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Dec. 21, installing tracks and contact rail for part Rapid Transit R.R., from McElroy & Kerwin, 187 Joralemon St., Brooklyn, $412,954. Noted Dec. 13.

TRACK MATERIALS—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., from Bethlehem Steel Co., 25 Bway., open hearth contact rail $208,942, spikes $32,677, open hearth track rail $218,553, tie plates $37,725; from Oliver Iron & Steel Corp., 50 Church St., bolts, nuts, washers, $7,997; from Krajewski-Pesant Mfg. Corp., 227 Fulton St., cast iron $1,054; from Rail Joint Co., 165 Bway., joint bars $24,751; from Eastern Malleable Iron Co., Troy Malleable Irons Wks., Troy, N. Y., malleable iron $6,379. Noted Dec. 6.

COMFORT STATION — **Rockaway Park (Ind. sta. Far Rockaway), N. Y.** — Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, Dec. 18, comfort station, from J. Fischer & Sons, Inc., 187 Beach 80th St., Belle Harbor, $24,850. Noted Dec. 13.

BOARDWALK — **Rye, N. Y.** — Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, Dec. 18, extending timber boardwalk, new boardwalk, concrete retaining wall, wood found. piles for adjacent buildings at "Playland," Rye Beach, and Manursing Island Park, from Merritt, Chapman & Scott, 17 Battery Pl., New York, $50,386, and from W. A. Rogers, $51,000.

HEATING, etc.—**North Bergen (Ind. br. Weehawken), N. J.**—Bd. Educ., Township Hall Dec. 13, heating,ventilating for Horace Mann School, 38th and 39th St. from Hudson Blvd. to Midway Pl., from C. W. Reichwald, Inc., 763 Paterson Ave., Jersey City, $52,720. Noted Dec. 6.

Contracts Awarded

PLAYGROUND SHELTERS — **Boston, Mass.**—City, Schoolhouse Dpt., City Hall, 1 story, concrete, timber playground shelters for various schools, to C. & C Constr. Co., 180 Dudley St., Roxbury. Est. exceeds $25,000.

WADING POOL, etc. —**Astoria** (sta. Long Island City), **N. Y.**—W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, wading pool, walks at Shore Rd., to Ascher Eng. & Constr. Co., 51 West 66th St., New York, $19,779; tennis courts, to W. T. Dipple, Inc., 1 Hunter Ave., Long Island City, both Astoria Park, Queens Boro. Noted Nov. 29.

PILE DRIVER—**New York, N. Y.**—M. Cosgrove, comr. Docks, foot Battery Pl., North River, constructing; furnishing pile driver, to Staten Island Shipbuilding Co., 3075 Richmond Terrace, Port Richmond, $22,900. Noted Dec. 6.

SWIMMING POOL—**Spring Lake** (Spring Lake Beach P.O.) **N. J.**—Bd. City Council, Boro Hall, 50 x 100 ft., glazed brick, and concrete swimming pool, to Perth Amboy Constr. Co., 61 Madison Ave., Perth Amboy, est. $150,000. Plumbing and mechanical equipment to W. R. Hogg, 412 Bond St., Asbury Park; ocean pumping and strainers to Woolley & Howland, 99 Atlantic Ave., North Long Branch, electrical work to L. Van Note, 1210 3rd Ave., Spring Lake. Noted Dec. 20.

DOCK—**Reserve, La.**—Mississippi Warrior Service, 320 Magazine St., New Orleans, pile driving and timber work on 30 x 60 ft. dock, 12 x 285 ft. steel gallery for sugar conveyor, and re-erection 60 x 130 ft. steel shed, to W. H. Williams, 823 Howard Ave., New Orleans; 585 ft. 24 in. belt conveyor and portable bag stacker, to C. T. Patterson Co., 600 South Peters St., New Orleans.

TURBINE GENERATORS, etc.—**Paris, Ark.**—City, G. A. Hall, mayor, one 750 kw. turbine generator, 2 used 500 kw. turbine generators, 1 condenser unit, spray pond, accessories, switchboard, to Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., $34,400; 2-drum v.w.t. boiler, 386 hp., 225 lb. steam pressure and installing same, to P. E. Fallon, 121 Fairview Rd., Little Rock, $16,334. Noted Nov. 1.

SANDING PLANT—**Grand Island, Neb.**—Union Pacific R.R. Co., G. J. Adamson, ch. engr., Omaha, rein.-con., timber sanding plant. $40,000. Owner builds.

TANKS — **Pampa, Tex.** — Texas Corp., Houston and Port Arthur, 588 tons structural steel for two 80,000 bbl. tanks near here, to Petroleum Iron Wks. Co., Sharon, Pa. This corrects report in Dec. 13 issue.

STAGE — **Los Angeles, Calif.** — Paramount-Famous Players-Lasky Corp., Hollywood, 201 x 221 ft., steel, brick, hollow tile motion picture stage, 5451 Marathon St., to P. De Huff, 2676 Harcourt Ave., $200,000.

GRAIN ELEVATOR—**Collingwood, Ont.**—T. W. Foran, secy., 805 C. P. R. Bldg., Toronto, general contract 2,000,000 bu. grain elevator, to Carter Halls Aldinger Co., Royal Bank Bldg., Winnipeg, for Town. W. H. Whipps, town clk. Est. $800,000. Noted Nov. 29.

REFRIGERATING MACHINERY—**Victoria, B. C.**—Victoria Cold Storage & Terminal Warehouse Co., Odgen Point Rocks, refrigerating equipment to cold storage plant, to Canadian Ice Machine Co. Ltd., 1164 Hower St., Vancouver, (representing York Mfg. Co., York, Pa.), $150,000.

Materials

Proposed Work

GAS PIPE — **San Antonio, Tex.** — T. E. Barnes, 901 Victoria St., purchasing gas pipe for distributing system in 45 acre subdivision off West Cincinnat Ave. $20,000.

Bids Asked

CASTINGS—**Boston, Mass.**—Dec. 28, by City, Supply Dpt., City Hall, 250,000 lb. gate and hydrant castings, 250,000 lb. branches, 300,000 lb. 2 part c.i. boxes. H. S. Frost, supt.

CASTINGS—**Boston, Mass.**—Dec. 31, by Supply Dpt., composition castings. $5,000. H. S. Frost, supt.

CEMENT — **Chicago, Ill.** — Jan. 4, by Cook Co. Comn., County Bldg., 500,000 bbl. cement for use during 1929.

PIPE—**Tulsa, Okla.**—Mayor and Water Comn. in market 29,000 ft. 2 in. and 15,000 ft. 2 in. galvanized pipe.

Contracts Awarded

LIME, etc.—**New Orleans, La.**—G. G. Earl, ch. engr. Sewerage & Water Bd., 526 Carondelet St., 6,500 tons lime for waterworks, to J. Watts Kearny, 14 St. Peters St., at $6.90 per ton; 1,200 tons sulphate of iron, to American Steel & Wire Co., 208 South La Salle St., Chicago, Ill., $13.70; 50,000 lb. liquid chlorine in cylinders, to A. Hoffman, New York, at $10.70 per 100 lb. Noted Nov. 15.

PIPE — **Oklahoma and Illinois** — Texas Empire Pipe Line Co., Tulsa, Okla., furnishing 5,000 tons seamless pipe for pipeline between Tulsa, Okla. and Rockport, Ill., 6⅝ in., to Spang, Chalfant & Co., Inc., Park Bldg., Pittsburgh, Pa.; 12¾ in., to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis.

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See proposal advertising on page 114

UNIT PRICES

Pipe Lines—New Jersey

North Jersey District Water Supply Comn., Newark, opened bids Dec. 20, Contract No. 25, Wanaque Aqueduct twin and single steel pipe lines for portion of aqueduct. Nine bids were received; T. A. Gillespie Co., 7 Dey St., New York, successful contractor, using 74 in. lock bar pipe (to be furnished by East Jersey Pipe Co., Leetsdale, Pa.). Bids of successful contractor, second lowest and highest bidders are given below. (A) T. A. Gillespie Co.; (B) Clifford F. MacEvoy, Newark, 74 in. countersunk riveted pipe, 30 ft. courses (furnished by N. Y. Shipbuilding Co., Camden); (C) Joseph Sigretto & Sons, Inc., New York, 76 in. countersunk riveted pipe, 7½ courses (furnished by American Locomotive Works).

	74-In. Pipe		76-In. Pipe
Removal of top soil			
45,000 cu.yd.	$0.50	$1.20	.....
46,500 cu.yd.	.....	.....	$1.00
Earth excav., general, N. of G. N. tunnel			
170,000 cu.yd.	.50	1.50	.....
174,000 cu.yd.	.....	.....	2.70
Earth excav., general, S. of G. N. tunnel			
60,000 cu.yd.	.50	.50	.....
61,500 cu.yd.	.....	.....	2.00
Earth excav. in Morris Canal			
50,000 cu.yd.	.50	1.20	.....
52,500 cu.yd.	.....	.....	2.00
Earth excav. in sheeted trench			
50,000 cu.yd.	.50	2.50	.....
51,500 cu.yd.	.....	.....	2.00
Rock excav., general, N. of G. N. tunnel			
5,000 cu.yd.	5.50	9.00	.....
2,125 cu.yd.	.....	.....	10.00
Rock excav., general, S. of G. N. tunnel			
3,000 cu.yd.	5.50	4.00	.....
3,075 cu.yd.	.....	.....	10.00
Rock excav. in sheeted trench			
1,000 cu.yd.	7.00	6.00	.....
1,025 cu.yd.	.....	.....	10.00
500 cu.yd. rock excav. by specific methods	7.00	15.00	19.00
Borrow			
100,000 cu.yd.	.12	.25	.....
101,000 cu.yd.	.....	.....	2.00
Refill and embankment, general			
330,000 cu.yd.	.20	.50	.....
333,500 cu.yd.	.....	.....	1.00
Compacted refill and embankment			
80,000 cu.yd.	.20	1.25	.....
80,400 cu.yd.	.....	.....	1.00
Surface dressing and grassing			
50,000 cu.yd.	.50	2.00	.....
50,250 cu.yd.	.....	.....	2.50
8,000 cu.yd. concrete masonry	13.00	25.00	16.00
1,500 cu.yd. reinforced concrete	13.00	45.00	16.00
15,000 bbl. cement	3.00	3.00	3.00
2,000 cu.yd. dry rubble masonry and paving	7.50	25.00	7.00
1,000 cu.yd. rubble masonry and paving in mortar	8.00	31.00	10.00
50 cu.yd. brick masonry	35.00	40.00	75.00
1,000 cu.yd. sand, gravel and broken stone	4.00	4.00	6.00
100 lin.ft. drilling holes in rock or masonry	1.00	1.00	10.00
161,950 lin.ft. 74-in. lock-bar pipe, 7/16-in. plate	24.75	.....	.....
158,050 lin.ft. 74-in. countersunk riveted pipe, 30 ft. courses 7/16-in. plate	.....	23.40	.....
158,050 lin.ft. 76-in. countersunk riveted pipe, 7½ ft. courses, 7/16-in. plate	.....	.....	30.19
2,200 lin.ft. 74-in. lock-bar pipe, ½-in. plate	24.75	.....	.....
3,800 lin.ft. 74-in. countersunk riveted pipe, 30 ft. courses, ½-in. plate	.....	25.70	.....
2,300 lin.ft. 74-in. countersunk riveted pipe, 30 ft. courses 7/16-in. plate	.....	28.00	.....
3,800 lin.ft. 76-in. countersunk riveted pipe, 7½ ft. courses, ½-in. plate	.....	.....	31.48
2,300 lin.ft. 76-in. countersunk riveted pipe, 7½ ft. courses, 7/16-in. plate	.....	.....	33.86
200 ton steel-pipe specials	320.00	200.00	211.50
5 steel-pipe expansion joints	100.00	1,800.00	500.00
150,000 lb. steel for reinforcing concrete	.06	.06	.08
250,000 lb. miscellaneous iron and steel	.20	.15	.35
150,000 lb. steel castings	.21	.25	.50
50 ton bell and spigot cast-iron pipe	75.00	100.00	80.00
60 ton cast-iron pipe specials	198.00	200.00	320.00
150,000 lb. galvanizing	.03	.03½	.06
2,000 lb. copper, brass and bronze	.29	1.00	1.50
22 48-in. gate valves without by-pass	2,437.50	2,500.00	4,000.00
12 48-in. gate valves with by-pass	2,537.50	2,600.00	4,500.00
2 36-in. gate valves with by-pass	1,455.00	1,375.00	2,300.00
5 24-in. gate valves with by-pass	593.00	500.00	800.00
120 12-in. gate valves	89.50	84.50	125.00
50 8-in. gate valves	50.50	44.00	60.00
150 6-in. gate valves	42.00	38.00	50.00
50 4-in. gate valves	23.80	20.70	30.00
150 6-in. vacuum air valves	176.50	200.00	250.00
50 4-in. vacuum air valves	86.00	100.00	125.00
100 pressure air valves	35.50	37.50	45.00
2 venturi meters	9,150.00	18,600.00	1,400.00
50,000 lb. installing metal work furnished by the Commission	.02	.05	.05
10,000 lin.ft. timber piles	.55	.50	1.00
500 m.ft.b.m. timber and lumber	30.00	30.00	100.00
5,000 lin.ft. 12-in. and smaller vitrified pipe	.70	1.25	.75
1,000 lin.ft. 15-in. to 24-in. vitrified pipe	2.00	3.50	2.50
1,000 lin.ft. 24-in. reinf. conc. pipe	4.35	3.00	3.00
35 highway crossings	160.00	250.00	5.00
2 railroad crossings	4,000.00	3,500.00	20,000.00
11 river crossings as listed (lump sum)	78,325.50	7,500.00	240,000.00
3 office buildings with garages	3,500.00	5,000.00	6,900.00
Force account ($25,000)	15%	20%	10%
Cleaning up (lump sum)	5,000.00	1,000.00	10,000.00
Totals	$5,127,628	$5,760,255	$7,718,406

In addition to above three bids, six others were received as follows: Montrose Contracting Co., New York, 74-in. lock bar, $5,968,505, 74-in. countersunk riveted, 7½-ft. courses, $5,826,435, 76-in. countersunk riveted, 7½-ft. courses, $5,971,503; W. H. Gahagan, Inc., Brooklyn, 74-in. lock bar, $7,318,022; all following bids on 76-in. countersunk riveted, 7½-ft. courses: Peter F. Connelly, Long Island City, $5,928,130; Heyman & Goodman Co., Jersey City, $6,027,100; Clinton Asphalt Co., Union City, $7,449,031; Frederick Snare, Inc., New York, $7,644,975:

Engineering News-Record, Issue of December 27, 1928.

Viaduct—Youngstown, O.

Following is correct presentation of the low and average bids published in Dec. 13 issue when the quantities were all printed one line too high.

		Average of Unit Prices 6 Lower Bids	All Bids
Sheeting and bracing, cofferdams and pumping	$1,000	$7,127.50	$9,639.41
1,000 cu.yd. removal of topsoil	0.50	0.48	0.61
7,700 cu.yd. earth excav. for structures	1.50	1.03	1.40
28,000 cu.yd. earth excav.—grading and borrow	.40	.50	.59
1,100 cu.yd. rock excav.	2.50	3.88	3.83
3,700 lin.ft. finishing shoulders, slopes and ditches	.30	.27	.26
1,100 cu.yd. placing loam	.50	.76	.92
1 acre seeding	200.00	250.00	246.46
330 cu.yd. screened gravel backing	3.00	3.06	3.35
3,300 sq.yd. stone slope paving	3.50	3.60	3.96
16,000 bbl. portland cement	2.50	2.32	2.57
1,650 cu.yd. conc. masonry —in abutm'ts	10.00	9.63	11.91
5,300 cu.yd. " " —in piers	10.00	9.80	11.67
2,250 cu.yd. " " —in arch-r'ng	15.00	16.76	19.38
1,100 cu.yd. " " —in spandrel and wing walls	20.00	17.27	19.05
100 cu.yd " " —miscell.	30.00	21.92	19.27
500,000 lb. steel reinforcement	.04	.043	.045
6,600 sq.ft. bush hammering	.04	.116	.156
12,000 sq.ft. special rubbed finish	.05	.089	.094
Viaduct railing (lump sum)	8,500.00	8,749.16	11,083.35
800 lin.ft. structural expansion joints	2.00	1.33	1.27
5,400 sq.yd. waterproofing type "A"	.60	.66	.79
1,800 sq.yd. waterproofing type "B"	1.25	1.72	2.00
3,800 cu.yd. spandrel fill	.95	1.51	1.75
12,500 sq.yd. bituminous macadam road surfacing	1.50	2.02	2.31
2,200 lin.ft. timber curb guard	.20	.22	.29
1,600 lin.ft. highway guard rail	.75	.78	.87
6,200 lin.ft. electric conduit	.25	.19	.29
5 tons cast iron pipe	80.00	83.33	90.70
5,500 lb. miscellaneous iron castings	.10	.095	.098

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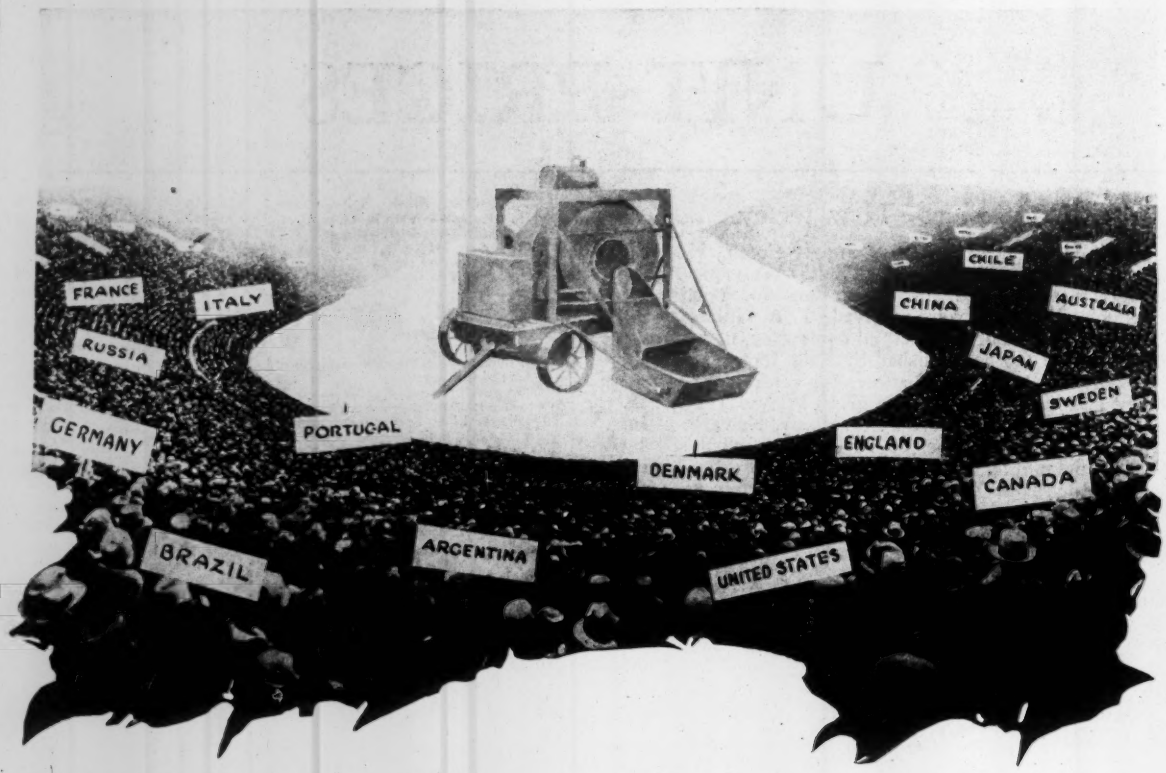

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